

SAP S/4HANA Conversion

A Guide to Executing and Simplifying Your Conversion

Ravi Surya Subrahmanyam



SAP S/4HANA Conversion

A Guide to Executing and Simplifying Your Conversion

Ravi Surya Subrahmanyam

Apress[®]

SAP S/4HANA Conversion: A Guide to Executing and Simplifying Your Conversion

Ravi Surya Subrahmanyam Hyderabad, India

ISBN-13 (pbk): 978-1-4842-8090-4 https://doi.org/10.1007/978-1-4842-8091-1

ISBN-13 (electronic): 978-1-4842-8091-1

Copyright © 2022 by Ravi Surya Subrahmanyam

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

Trademarked names, logos, and images may appear in this book. Rather than use a trademark symbol with every occurrence of a trademarked name, logo, or image we use the names, logos, and images only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

The use in this publication of trade names, trademarks, service marks, and similar terms, even if they are not identified as such, is not to be taken as an expression of opinion as to whether or not they are subject to proprietary rights.

While the advice and information in this book are believed to be true and accurate at the date of publication, neither the authors nor the editors nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Managing Director, Apress Media LLC: Welmoed Spahr Acquisitions Editor: Divya Modi Development Editor: Laura Berendson Coordinating Editor: Divya Modi Copyeditor: Kezia Endsley

Cover designed by eStudioCalamar

Cover image designed by Pixabay

Distributed to the book trade worldwide by Springer Science+Business Media New York, 1 New York Plaza, Suite 4600, New York, NY 10004-1562, USA. Phone 1-800-SPRINGER, fax (201) 348-4505, e-mail orders-ny@springer-sbm.com, or visit www.springeronline.com. Apress Media, LLC is a California LLC and the sole member (owner) is Springer Science + Business Media Finance Inc (SSBM Finance Inc). SSBM Finance Inc is a **Delaware** corporation.

For information on translations, please e-mail booktranslations@springernature.com; for reprint, paperback, or audio rights, please e-mail bookpermissions@springernature.com.

Apress titles may be purchased in bulk for academic, corporate, or promotional use. eBook versions and licenses are also available for most titles. For more information, reference our Print and eBook Bulk Sales web page at http://www.apress.com/bulk-sales.

Any source code or other supplementary material referenced by the author in this book is available to readers on GitHub via the book's product page, located at www.apress.com/978-1-4842-8090-4. For more detailed information, please visit http://www.apress.com/source-code.

Printed on acid-free paper

I dedicate this book to my beloved father, the late Sri Ravi Rama Chandra Murthy, retired high school headmaster and recipient of the best teacher award.

Table of Contents

bout the Author xii	Í
bout the Technical Reviewersx	V
cknowledgmentsxvi	
refacexi	K
ntroductionxx	(
hapter 1: An Overview of SAP S/4HANA	1
Cloud Options	1
RISE with SAP S/4HANA Cloud	1
RISE with SAP S/4HANA Cloud, Private Edition	2
SAP S/4HANA Cloud, Extended Edition	3
On-Premises Options	4
SAP S/4HANA Hosted in the Customer's Data Center	4
SAP S/4HANA Hosted by an laaS Provider (Hyperscaler) Data Center	4
SAP S/4HANA Hosted in SAP HANA Enterprise Cloud (HEC) in an SAP Data Center	5
SAP S/4HANA Hosted in SAP HANA Enterprise Cloud (HEC) in a Hyperscaler Data Center	5
Choosing a Deployment Option	5
SAP S/4HANA Move Planning Tools	6
SAP Readiness Check for SAP S/4HANA	7
Process Discovery Tool	7
SAP Transformation Navigator	7
SAP Fiori App Recommendation Report	7
Conclusions	B

TABLE OF CONTENTS

Overview of SAP S/4HANA	8
Capabilities of SAP Accounting Powered by HANA (SAP S/4 HANA Finance)	9
Converting an SAP ECC System to SAP S/4HANA	10
Advantages of the SAP HANA Technology	10
Advantages of SAP S/4HANA	10
Conclusions	22
Chapter 2: Planning for a Conversion to SAP S/4HANA	25
SAP Readiness Check for SAP S/4HANA	<mark>26</mark>
Handling Inconsistencies	<mark>26</mark>
Generating the SAP Readiness Check 2.0	<mark>26</mark>
Tool 2: Process Discovery (Formerly Known as SAP Business Scenario Recommendations)	31
Custom Code Analysis and Adoption	32
Tools for Custom Code Analysis	36
Tool for Identifying Unused Custom Code: SCMON	<mark>36</mark>
Extended Program Check-SLIN	37
Code Inspector -SCI	37
Maintain System Group Information	41
Conclusions	47
Chapter 3: An Overview of SAP ECC System Conversion	49
Overview of the Conversion Process	49
The Preparation Phase	50
1. The Readiness Check	50
2. Maintenance Planner	50
3. Simplification Item Check (SI Check)	52
4. Custom Code Analysis	59
The Realization Phase	<mark>60</mark>
1. Software Update Manager	<mark>60</mark>
Software Update Manager 2.0	61
Software Logistic Tools	61
2. Unicode Conversion	62

Adjustments During and After Conversion or an Upgrade	65
Modifications	66
Who Is Responsible for Performing Modification Adjustments?	69
SAP S/4HANA Conversion Project Activities Overview	69
Conclusions	71
Chapter 4: The Customer Vendor Integration (CVI)	73
The SAP Business Partner Concept	73
Customer Vendor Integration (CVI)	74
Executing the SI Check Program	75
Preparing for CVI	77
1. Implement the Prechecks	77
2. Archive the Master Data with a Deletion Flag	77
3. Activate the Business Functions	78
4. Run the Master Data Consistency Prechecks	79
5. Set Any Necessary Customizing Settings	81
Customer/Vendor Synchronization: Preparation Phase	
Customer-Related Preparations	84
Vendor-Related Preparations	85
BP Synchronization Phase	88
Mapping Tasks	90
Assign Business Partner Roles to Account Groups	90
Number Assignments (CVI-Target: Business Partner)	91
Value Mapping	92
Activate Assignment of Contact Persons	93
Assign Department Numbers for Contact Person	94
Assign Functions of Contact Person	94
Assign Authority of Contact Person	95
Assign VIP Indicator for Contact Person	95
Assign Marital Statuses	96
Assign Legal Form to Legal Status	97
Assign Payment Cards	97

Assign Industries
Assign Business Partner Roles to Account Groups99
Number Assignments (CVI-Target: Business Partner) 100
Vendor Value Mapping 101
Activate Creation of Post Processing Order (PPO) 103
Activate Synchronization Options 103
Check Synchronization Objects 104
Using the Synchronization Cockpit 105
Maintaining a Business Partner
Create a Sold-To Account
Create Ship-To Account
The Data Model in SAP S/4HANA Business Partner 130
BP Master Data Protection
Business Data Toolset (BDT)131
BP Maser Data Archiving 135
Conclusions
Chapter 5: Preparation Phase (Preparations in SAP ECC System Before
SUM) – Part 1
SUM) – Part 1 137 Discovery Activities Before Starting the Preparation Activities 138
SUM) – Part 1
SUM) - Part 1137Discovery Activities Before Starting the Preparation Activities138Fixing Financial Data Inconsistencies Before Conversion141
SUM) – Part 1 137 Discovery Activities Before Starting the Preparation Activities 138 Fixing Financial Data Inconsistencies Before Conversion 141 Example 1: Error Message FIN_FB_RECON220: Fields in BSIS and BSEG Do Not Match 147 Example 2: Error Message FIN_FB_RECON372: Entry in BSIS with Missing Archiving
SUM) – Part 1 137 Discovery Activities Before Starting the Preparation Activities 138 Fixing Financial Data Inconsistencies Before Conversion 141 Example 1: Error Message FIN_FB_RECON220: Fields in BSIS and BSEG Do Not Match 147 Example 2: Error Message FIN_FB_RECON372: Entry in BSIS with Missing Archiving 154 Example 3: Error Message FIN_FB_RECON74: Inconsistent Amount for Updating 154
SUM) – Part 1 137 Discovery Activities Before Starting the Preparation Activities 138 Fixing Financial Data Inconsistencies Before Conversion 141 Example 1: Error Message FIN_FB_RECON220: Fields in BSIS and BSEG Do Not Match 147 Example 2: Error Message FIN_FB_RECON372: Entry in BSIS with Missing Archiving 154 Example 3: Error Message FIN_FB_RECON74: Inconsistent Amount for Updating 160 Example 4: Error Message FIN_FB_RECON76: Inconsistent Amount in the Second Local 160
SUM) – Part 1 137 Discovery Activities Before Starting the Preparation Activities 138 Fixing Financial Data Inconsistencies Before Conversion 141 Example 1: Error Message FIN_FB_RECON220: Fields in BSIS and BSEG Do Not Match 147 Example 2: Error Message FIN_FB_RECON372: Entry in BSIS with Missing Archiving 154 Example 3: Error Message FIN_FB_RECON74: Inconsistent Amount for Updating 160 Example 4: Error Message FIN_FB_RECON76: Inconsistent Amount in the Second Local 164 Example 5: Error Message FIN_FB_RECON517: Fields Mismatch Between BSEG 164

Example 8: Error FIN_FB_RECON 398: Second Local Currency in BKPF Inconsistent	169
Preparation Phase SI Checks Execution (Functional)	169
Error Messages	170
Module – Finance	170
Module - HR	191
Module – Material Management	192
Module – PP	196
Module SD	208
Warnings	212
Important Checks in FI-GL Before Conversion in the ECC System	214
Conclusions	218
Chapter 6: Preparation Phase (Preparation for Conversion of SAP ECC Asset Accounting to SAP S/4HANA New Asset Accounting) – Part 2	219

Conversion/Migration Scenarios	220
EA-FIN Financial Extension	220
Example 2 Preparation Activity	223
Check Item "SI2: FIN_AA"	232
Correction Action	235
An Overview of the SAP Asset Accounting Migration Flow	243
Configuration of Chart of Depreciation Under Ledger Approach	249
Parallel Accounting Using the Ledger Approach	249
Specify Transfer of APC Values	252
Technical Clearing Account for Integrated Asset Acquisition	254
Configuration of a Chart of Depreciation Using the Account Approach	258
Conclusions	264
Chapter 7: Preparation Phase (Preparation Prior to Conversion) – Part 3	267
Credit Management Preparations for Conversion	267
Determining if the Source System Has Credit Management Functionality	268
Identifying the Use of FSCM-CR (FSM-Based Credit Management)	269
Prerequisites for Migrating to SAP Credit Management	269

TABLE OF CONTENTS

The Influence on User Activity and Business Processes	269
Credit Management Preparation and Migration Activities After SUM	270
Material Ledger Preparation for Conversion	274
Before SUM (Before System Conversion)	275
Material Ledger Preparation Activities	275
Material Ledger Data Migration	277
Start and Monitor Data Migration	277
Actual Costing Preparation for Conversion	280
Trade Finance Preparation for Conversion	281
Pre-Transition Checks	281
Revenue Recognition Preparation for Conversion	285
Business Process	285
Which Transaction Codes Are Affected?	285
How Do You Resolve This Error?	286
Preparation for Classic Cash Management for Conversion	287
Cash and Liquidity Management to SAP S/4HANA	287
After Accounting Conversion	289
Conclusions	289
Chapter 8: Realization Phase (Preparation and Migration of Customizing)	
The Role of the Software Update Manager (SUM) Tool	
The Role of the Software Update Manager (SUM) Tool When Is the SPDD Activity Completed?	291
	291 292
When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be	291 292 292
When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator?	291 292 292 293
When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator? When Will the SPAU Activities Be Done?	291 292 292 293 295
When Is the SPDD Activity Completed?How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator?When Will the SPAU Activities Be Done?When Is the Menu Path for the Conversion Cockpit?	291 292 292 293 295 295
When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator? When Will the SPAU Activities Be Done? What Is the Menu Path for the Conversion Cockpit? Converting Accounting to SAP S/4HANA	
 When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator? When Will the SPAU Activities Be Done? What Is the Menu Path for the Conversion Cockpit? Converting Accounting to SAP S/4HANA Special Authorizations to Execute the Cockpit 	
When Is the SPDD Activity Completed? How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator? When Will the SPAU Activities Be Done? What Is the Menu Path for the Conversion Cockpit? Converting Accounting to SAP S/4HANA Special Authorizations to Execute the Cockpit Preparations and Migration of Customizing	

Index	365
Chapter 9: An Overview of SAP S/4HANA Conversion Project Tasks	
Conclusions	361
Migration of Accrual Engine Data	
Enrichment of Balance Carry Forward	359
Display Status of Filling the Offsetting Account in Finance Transactions	
Fill the Offsetting Account in FI Documents	358
Display Status of Transfer of Application Indexes	358
Transfer Application Indexes	358
Introduction	357
Activities After Migration	
Migration of General Ledger Allocations to Journal Entry Tables	354
Migration of Cost Elements	
Data Migration	
Introduction	
Data Migration Process	
Preparations for Migration of House Bank Accounts	33
Important Points	
Activate Asset Accounting (New)	
Performing Additional Manual Activities	
Preparation and Migration of Customizing for AA	
Manual Migration Steps for Account Determination	
Migration of Customizing and Migration of Transactional Data	
Migration Precheck for Customizing	
Preparation and Migration of Customizing: Accrual Engine	
Defining the CO Document Type	
Preparations and Migration of Customizing for GL	
Preparations and Migration of Customizing	30

About the Author



Dr. Ravi Surya Subrahmanyam holds a Doctorate in Finance. He has been working as S/4HANA Solution Architect on various SAP S/4HANA Conversion & SAP S/4HANA Upgrade projects in India and United States. He is a speaker, blogger, and author on technical and financial topics and his articles have been published in national and international journals.

About the Technical Reviewers



Gayathri Bhanu is a qualified "Cost and Management Accountant" from The Institute of Cost and Management Accountants of India. She is a Certified SAP S/4HANA professional and certified solution architect and blogger. She has been working as an SAP S/HANA consultant, working on S/4HANA conversion, and SAP S/4HANA Upgrade projects.



Sannapolu Chandhra Shekar Reddy is a postgraduate in management. He has been a certified SAP S/4HANA finance professional and a certified SAP ECC finance associate. He has worked on SAP S/4HANA projects very closely and on SAP S/4HANA planning & move activities along with SAP S/4HANA conversions. Presently, he is working as a manager in one of the top MNCs.

Acknowledgments

Foremost, I would like to express my sincere gratitude to the Editor, Apress[®], Divya Modi. Throughout the writing of this book, I have received support and encouragement from her. I would like to extend my sincere thanks to all other members of Apress team for their excellent support in publishing my Guide.

I would like to thank Sajja Yugandhara Babu, Satya Bommireddy, Sukesh Koka, whose expertise helped in formulating this book.

I would like to acknowledge Venkateswara Rao Sudina, Mukesh Bablani, Ravi Bhogaraju for their motivation, enthusiasm, and immense knowledge in SAP S/4HANA conversion process. In addition, I would like to thank my wife Taruna & my mother Ravi Bhanumathi for their sympathetic ear. I could not have completed this book without the support of my friends with whom I do multiple conversion projects - Ramana Vadlakonda, Epparla Reddappa, Mukesh Madasu, Rudrashetty Ranjit Kumar, Mohamed Naja (JKIT - Sri Lanka), Garapati Rama Krishna, Somanchi Srinivas, Gulla Karthik, Patlavath Hemla Nayak for enlightening me on different areas of SAP S/4HANA. My Son, Ravi Rama Sai Raghavan working on S/4HANA, helped me with reading and suggesting and adding points to my initial draft.

Finally, I sincerely thank S. Chandhra Shekar Reddy and R. Gayathri Bhanu, CMA who reviewed this book and for their recommendations wherever necessary. I thank my brother RVSSV Somayajulu for his blessings to complete this activity.

Preface

While working as an SAP S/4HANA conversion and upgrade architect, I began to recognize the importance of having a document that includes an overview of the S/4HANA conversion process.

This book is an overview of the SAP S/4HANA conversion process, written for functional consultants who are working on SAP S/4HANA conversion projects. When I was working on the SAP Simple Finance Migration Project in 2015 and the SAP S/4HANA conversion in late 2015, I felt I did not have enough information about the conversion process. Today, there are many SAP help documents available. I felt that providing an overview of SAP S/4HANA conversion would help SAP S/4HANA consultants with their current or upcoming conversion projects. This book also has information about CVI (Customer Vendor Integration). So, Finance, SD, and MM consultants will get a good overview of the CVI process.

An important aim of the book is to provide an overview of the key areas of conversion. I presented the information in eight chapters. In addition, Chapter 9 includes a sample tasksheet for a conversion project.

Overview of the Book

The first chapter provides an overview of SAP S/4HANA and its different deployment options. The second chapter provides information on planning for SAP S/4HANA. This will help readers plan for their conversion projects. Chapter **3** provides an overview of the SAP S/4HANA conversion tools (technical and functional). Chapter **4** helps FI, MM, and SD consultants understand Customer Vendor Integration (CVI). Chapter **5** explains how to prepare the system. It covers four important topics that are related to the conversion project—an overview of the discovery activities before starting preparation activities for conversion, how to fix financial inconsistencies before conversion, the preparation phase and SI checks execution (functional), and important checks in FI-GL before conversion to the ECC system. Chapter **6** discusses how to prepare for the conversion of SAP ECC Asset Accounting to SAP S/4HANA New Asset Accounting

PREFACE

Chapter 7 covers other preparation activities, including credit management preparations for conversion, material ledger preparation for conversion, actual costing preparation for conversion, trade finance preparation for conversion, revenue recognition preparation for conversion, and classic cash management preparation for conversion. Chapter 8 covers the SAP S/4HANA conversion cockpit. It has three subtopics—preparation and migration of customizing, data migration, and the three activities after migration. Chapter 9 provides an overview of the conversion tasks.

Introduction

As per the SAP announcement, mainstream maintenance of SAP Business Suite 7 applications will end by 2027. Optional extended maintenance will end by 2030. Consequently, SAP ECC customers are preparing for a digital transformation. They understand the importance of moving to SAP S/4HANA. Many SAP ECC customers have attended the SAP S/4HANA movement program to explore different aspects and to finalize the process of moving to SAP S/4HANA.

Every SAP customer has a unique set of challenges and goals. They must consider these challenges during their plan to move to SAP S/4HANA. Experienced SAP S/4HANA conversion architects can help SAP ECC customers design their move to SAP S/4HANA. S/4HANA conversion architects can define the best fit strategy for customers after analyzing their systems. The SAP S/4HANA system conversion path allows customers to convert their existing ECC systems to SAP S/4HANA

SAP S/4HANA conversion is a complete, technical, in-place conversion of current SAP ECC systems to SAP S/4HANA. Without re-implementation, customers can change their SAP ECC system to an SAP S/4HANA system. The conversion process migrates the ERP data model into the SAP S/4HANA data model. It changes the SAP ECC functional core to an SAP S/4HANA application core. As of now, it is not mandatory to migrate SAP GUI to SAP Fiori apps. Customers will be able to do this selectively in a later step.

During conversion, the special tables will be converted to transparent tables. The standard code will be automatically adjusted to switch from calling the special tables to calling the transparent tables. Secondary indexes will be dropped during the conversion process. Indexes are usually not needed in SAP HANA. If any of the existing Z code refers to them, you must adjust that code to be able to work on SAP S/4HANA. SAP Clients have to make their own checks and adjust their code where necessary. If existing custom codes refer to a standard table that has been removed, SAP provides views for those obsolete tables. This means the existing Z code will still work and will just use the view.

There are SAP tools that ca accelerate and automate the code review to make sure nothing is lost. The ABAP Code Inspector will help programmers choose the type of checks they want to do.

For example:

INTRODUCTION

- You can use it to find pool and cluster tables.
- You can ask the program to show where you used SELECT *.
- You can use it to identify bottlenecks.

You can also identify code that is rarely used or not completely used (i.e., dead code). The SAP Readiness Check helps SAP ECC customers plan their transition to SAP S/4HANA and provides them with an overview of the current system's readiness to convert as SAP S/4HANA. It also provides consultants with all the information needed to understand the system to be converted. This tool also provides several aspects of the conversion project.

CHAPTER 1

An Overview of SAP S/4HANA

SAP S/4HANA is the next generation of SAP business suite software. It is the digital core of your organization and is designed to run an intelligent enterprise. Many SAP ECC customers are planning their transitions to SAP S/4HANA. Many SAP ECC customers aren't sure which deployment option to use in order to move to SAP S/4HANA. There are three different approaches for moving to SAP S/4HANA. You must consider the different scenarios and choose from the three deployment options—on-premises, cloud, and hybrid.

This chapter covers two broad deployment options—cloud and on-premises. These two options differ in terms of the degree of standardization and the degree of flexibility. The on-premises option is not as flexible and the level of standardization is higher with the cloud version. Every customer has to decide based on their own preferences and their flexibility and standardization needs. SAP recommends more standardization, as it reduces the total cost of ownership in the long run.

Cloud Options

This section covers the SAP S/4HANA cloud options.

RISE with SAP S/4HANA Cloud

This "public cloud" solution (previously called SAP S/4HANA Cloud, Essentials Edition) is highly standardized. Services are delivered to customers over a network generated from a multi-tenant server. "Multi-tenant" means that two or more tenants (customers) share the bandwidth of one server. This multi-tenant server resides in an SAP data center. Your cloud provider (SAP) is responsible for maintaining the technical backend of

CHAPTER 1 AN OVERVIEW OF SAP S/4HANA

the system and for running your software service in the server where your tenant resides. RISE with SAP S/4HANA Cloud has the fastest innovation, meaning regular release cycles, where new features and enhancements are released. SAP maintains customers' systems with bi-weekly hotfixes and installs the release upgrades to customer systems on a defined release schedule.

RISE with SAP S/4HANA Cloud has the lowest total cost of ownership (TCO), due to its increased standardization. The solution is delivered with the RISE with SAP business transformation services. If you have subscriptions to multiple solutions in addition to SAP S/4HANA Cloud (e.g., SAP SuccessFactors, SAP Concur, etc.), you will have an individual tenant for each software server that may or may not reside in the same data center as your SAP S/4HANA Cloud ERP solution. An existing ECC system cannot be moved to RISE with SAP Public Cloud. This solution is suitable only for new implementations.

RISE with SAP S/4HANA Cloud, Private Edition

RISE with SAP S/4HANA Cloud, Private Edition is a cloud solution with the full SAP S/4HANA on-premises scope. It has the elasticity, resilience, and TCO of a cloud infrastructure. Existing SAP ECC customers can convert their SAP ECC systems to a RISE with SAP S/4HANA Cloud, Private Edition. New customers can also choose this option for their new implementation. RISE with SAP S/4HANA Cloud, Private Edition is suitable for new implementations and for system conversion.

Customers have full access to the extensibility framework; it also supports in-app and side-by-side extensions in addition to code enhancement and modifications. Expert configuration is possible with full IMG access, and the operating expense model is subscription-based. The solution is inherently deployed with SAP HANA Enterprise Cloud to provide a private cloud infrastructure and technically managed services. However, customers can choose where their solution is hosted: on an SAP data center or a hyperscaler data center. Hyperscaler data center providers include Alibaba Cloud, Microsoft Azure, Google Cloud Platform, and Amazon Web Services. SAP S/4HANA Cloud, Private Edition is delivered with RISE with SAP services in addition to the core ERP scope to support a customer's business transformation to the cloud. All services from RISE to infrastructure management, to the core software—are delivered under one contract with SAP. Even if your solution is in a hyperscaler data center, all services are under one contract with SAP.

Key Features

Key features of the SAP S/4HANA Cloud, Private Edition, include the following:

- Full functional S/4HANA scope
- Existing ECC system can be moved to the Cloud Private Edition
- Safeguards prior investments into SAP systems
- Flexibility and extensibility
- Access to the S/4HANA extensibility framework

SAP S/4HANA Cloud, Extended Edition

SAP S/4HANA Cloud, Extended Edition is a cloud solution based on standardized business processes, but also includes the extensibility and geographical reach of the SAP S/4HANA on-premises solution. Services are delivered to customers over a private network protected by a firewall from a single-tenant server. "Single tenant" means that only one tenant (customer) uses the storage and bandwidth of one server. This singletenant server can reside in your own data center, or in a data center owned by a vendor. SAP S/4HANA Cloud, Extended Edition has semi-annual (twice yearly) upgrades and is hosted in SAP's private, managed cloud, the SAP HANA Enterprise Cloud (HEC). SAP S/4HANA Cloud, Extended Edition is well-suited for customers that require specific functionality, broader extensions, and deeper configuration capabilities in a dedicated cloud environment. Additional capabilities are allowed, because a customer is the only tenant on the server. As a cloud solution, it is also easily scalable and has a low total cost of ownership (TCO).

Key Features

Key features of the SAP S/4HANA Cloud, Extended Edition include the following:

- Standardization, functional scope, and extensibility
- Semi-annual upgrades
- Configurable and customizable processes
- SAP S/4HANA Extensibility Framework and extensions via SAP Cloud Platform (SCP)

- All industries supported
- Low TCO and fast time to value
- Subscription licensing

On-Premises Options

SAP S/4HANA on-premises is suitable for customers that require maximum control of their SAP systems. It can be hosted usually in your own data center or with an IaaS provider. This solution is best for customers who want full control and ownership of their application and landscape. It provides a broad level of functionality with a maximum degree of flexibility in customization.

Customers can configure, extend, and modify their software, with full access to the SAP HANA database and development tools. SAP S/4HANA on-premises has an annual release cycle, where customers can choose to adopt new innovations on their schedule. Customers can choose to deploy the SAP S/4HANA solution in their preferred infrastructure, with varying degrees of maintenance responsibilities depending on the infrastructure selected. SAP S/4HANA has perpetual licensing when deployed onpremises in a customer's own data center. It's subscription-based or bring your own license (BYOL) when deployed on the SAP HANA Enterprise Cloud or a third-party hyperscaler (e.g., Microsoft Azure, AWS, and Google Cloud Platform).

SAP S/4HANA Hosted in the Customer's Data Center

This is the classic "on-premises" deployment option, where the customer has their own hardware and is responsible for maintaining its infrastructure, including purchasing, installing, configuring, and managing the software.

SAP S/4HANA Hosted by an IaaS Provider (Hyperscaler) Data Center

The SAP S/4HANA on-premises solution is hosted in a non-SAP infrastructure as a service (IaaS) provider data center (private cloud). We refer to these third-party IaaS providers as *hyperscalers*. They deliver a computing infrastructure, provisioned and managed through the Internet. The Infrastructure as a Service (IaaS) provider is

responsible for maintaining the infrastructure, and the customer is responsible for purchasing, installing, configuring, and managing the software hosted in the cloud (operating systems, middleware, and applications).

SAP S/4HANA Hosted in SAP HANA Enterprise Cloud (HEC) in an SAP Data Center

The SAP S/4HANA on-premises solution is hosted in a private, SAP-managed HANA Enterprise Cloud and deployed on an SAP data center. SAP HEC is an IaaS platform with managed services delivered by SAP to support SAP applications and solutions. The managed services include coordination and management of the entire cloud solution landscape, including infrastructure, systems, technology, and applications.

SAP S/4HANA Hosted in SAP HANA Enterprise Cloud (HEC) in a Hyperscaler Data Center

The SAP S/4HANA on-premises solution is hosted in the private, SAP-managed HANA Enterprise Cloud, which is deployed on a hyperscaler data center. SAP provides customers who choose this option with the same comprehensive managed services for HEC in a non-SAP data center as HEC in an SAP data center. SAP operates and manages the customer's SAP systems in the HEC private, managed cloud with the IaaS provider of their choice. This is all under one contract with comprehensive responsibility.

Choosing a Deployment Option

The path/approach you choose to move to SAP S/4HANA is one of the key factors that influences your choice of deployment. There are three different approaches to moving to SAP S/4HANA:

- New implementation
- System conversion
- Selective data transition

Which approach is right for you?

CHAPTER 1 AN OVERVIEW OF SAP S/4HANA

System conversion should be considered when:

- The business is focused on incremental innovation projects.
- The IT software landscape requires the retention of past customizations.
- All data needs to be retained.

A new implementation should be considered when:

- When existing business processes do not support long-term strategies.
- The business wants to standardize on SAP Best Practices packages.
- The existing system does not meet the SAP S/4HANA conversion prerequisites. (The system is not technically and functionally fit for conversion.)

Organizations using other than SAP will consider this option to move to SAP S/4HANA. Customers running SAP ECC Business Suite and want to move to SAP S/4HANA can also consider this option in order to completely redesign their processes.

The selective data transition option should be considered when:

- The business needs to go live in phases.
- Existing SAP ERP instances need to be split or merged.
- You want to migrate only specific years of data or specific company codes.

SAP S/4HANA Move Planning Tools

There are different tools that simplify your journey to SAP S/4HANA:

- SAP Readiness Check for SAP S/4HANA
- Process Discovery Transformation (SAP Business Scenario Recommendations)
- SAP Transformation Navigator
- SAP Fiori App Recommendation Report

SAP Readiness Check for SAP S/4HANA

The SAP Readiness Check is one component of the RISE with SAP services for a system conversion to RISE with SAP S/4HANA Cloud, Private Edition. It assesses the functional and technical aspects of the existing SAP ECC system to convert it to SAP S/4HANA. This assessment provides insight into mandatory application changes, and potential impacts are detailed in relevant simplification items along with conversion prerequisites, such as the compatibility of existing add-ons and business functions. The tool assesses the many functional and technical aspects to identify system readiness for conversion. For example, custom-code compatibility, system sizing and data volume management, inconsistencies in financial data, and so on.

Process Discovery Tool

The Process Discovery Transformation tool has replaced SAP BSR (Business Scenario Recommendations). Process Discovery is a free analysis tool. This helps SAP ECC customers and partners drive innovation and adoption.

Process Discovery consists of two components

- Process Discovery summary
- Process Discovery solution (Spotlight)

Customers can request their own Process Discovery. Refer to SAP Note 2758146 and SAP Note 2745851. The analysis in the online solution will be delivered to customers along with a PDF document as an executive summary.

SAP Transformation Navigator

This is a self-service tool that provides guidance for your digital transformation. It assesses the existing landscape and industry trends. It delivers a report that contains recommendations of the SAP products and solutions required to plan and realize your digital strategy.

SAP Fiori App Recommendation Report

This tool provides the SAP Fiori apps that you need on an SAP S/4HANA system.

Conclusions

Every customer has a unique set of goals and challenges when considering their move to SAP S/4HANA. The SAP Move program is designed to support customers in moving to SAP S/4HANA in the most non-disruptive way possible. SAP Partners also offer guidance to tackle critical moments and offer customers complete control over their transition.

Overview of SAP S/4HANA

SAP S/4HANA is an integrated business suite that supports end-to-end business processes. It helps manage employees, vendors, customers, products, accounting, finance, logistics and more. This new business solution provides a 360-degree view of any line of business with the support of embedded analytics; it enables users to make faster and smarter decisions using the functionalities and capabilities of this new next-generation business solution.

Based on the business process, customers can implement robotic process automation and gain benefits of that in business processes. Predefined SAP content helps reduce the effort in customizations of ML (machine learning) models. This helps customers jump-start intelligent technologies in almost all business processes.

In SAP ECC, the FI/CO applications were separated into two components as Finance and Costing (Controlling/Management Accounting—CO). In SAP S/4HANA, these two components are brought together and called SAP S/4HANA Finance.

In SAP ECC, every component had its own data model, which leads to inefficiencies as there are integration issues. But using SAP S/4HANA, SAP S/4HANA Finance is completely redesigned, with the inefficiencies removed. SAP S/4HANA delivers new experiences to users with Fiori apps. This improves the efficiency and productivity and leads to job satisfaction for the users. The data model of SAP S/4HANA has been simplified comparatively to SAP ECC. This simplifies the application configuration, design, and extensibility. This new solution helps with digital transformation.

SAP S/4HANA sits on SAP HANA and inherits the following capabilities:

- In-memory databases
- Data compression
- Real-time processes
- Dynamic analysis

- Integration reporting
- New user interface, called SAP Fiori

It has a simplified data model that avoids redundancy and helps reduce the data footprint by removing unnecessary tables. It supports both OLTP and OLAP processing from a single data model and, therefore, ETL to a separate system not needed for reporting.

Capabilities of SAP Accounting Powered by HANA (SAP S/4 HANA Finance)

SAP S/4HANA Finance, formerly known as Simple Finance, is a reworked application code of SAP ERP Financials, primarily released around 2014. It comes with a diverse classification of "simple" that pinpoints not only an automated but a well-structured database and architecture. This new solution helps Finance and Accounting teams lead the digital transformation.

In SAP ECC, SAP FI&CO was divided into two components:

- Financial Accounting (FI)
- Controlling Management Accounting (CO)

Finance and Costing have subcomponents. For example, Asset Accounting. Every subcomponent had its own database tables and data model architecture. The SAP ECC data model led to inefficiencies in integration and reporting. SAP S/4HANA has a simplified model and lightweight architecture that works on such incompetence.

For instance, with SAP S/4HANA, the legal/local/internal/consolidated reporting has been simplified. You can maintain multiple accounting principles, like US GAAP (the United States Generally Accepted Account Principles) and IFRS (International Financial Reporting Standards), along with local legal reporting for any country. Accounting and Finance teams can therefore save a lot of time in maintaining books when using multiple accounting standards.

Converting an SAP ECC System to SAP S/4HANA

Existing SAP ECC customers can convert their ECC and move to SAP S/4HANA with the following advantages. In fact, customers can change the current system into an SAP S/4HANA system. (Database, NetWeaver, and Application Transition) in one step and then benefit from the following:

- Conversion without re-implementation
- No disruption for existing business processes
- Revaluation of customization and existing processes

Advantages of the SAP HANA Technology

SAP HANA helps your business grow seamlessly in the digital economy. It provides key benefits, not limited to simplification and centralization. These include ease of use, improved speed, transition, innovation, and a cloud experience. SAP S/4HANA can transform business and IT functions using intelligent automation, with remarkable results:

- Reduce your data footprint
- Choice of deployment
- Large data sets can be worked on at one time
- Increased performance
- Simplified infrastructure
- Embedded analytics

Advantages of SAP S/4HANA

Improvements in the Data Model

Modeling refers to an activity of filtering or cutting data in database tables by forming information that portrays a business scenario. You can use this information for any reporting and decision-making purposes in your management and integrated business departments. A data model is a relation between the set of tables and the tables that are used. A simplified data model means that the tables and their sets are simplified. Further, a few improvements in S/4HANA data model are

- Use of columnar tables
- Fewer indices and aggregation tables
- ACDOCA universal journal entry table

The concept of UJE was first launched with SAP S/4HANA Finance. With every product, it gets better. With eliminated data, it has reduced footprints and table designs.

It is one database table that includes fields from submodules. For example, CO, AA, ML, COPA. It has more than 360 fields related to such submodules, making integration simpler for multi-dimensional reporting.

It stores old data from FAGLFLEXT and FAGLFLEXA and Index Table values are stored in ACDOCA. It stores actual data.

Advantages of the New Data Model

- It is a single source of truth for all accounting-integrated components.
- It is a simple but complete data model.
- It combines and complements the best qualities of all accounting components.
- It provides a non-disruptive simplification.

General Table	Display	
lackground Nun	nber of Entries	🗈 🖪 🗟 🔂 All Entries 🛛 🍳 🔍 🚔 🖙 🧹 🔻 🔺 🖉
Table	ACDOCA	CM Universal Journal Entry Line Items
Text table		No texts
Layout		
Maximum no. of hits	500	Maintain entries

Figure 1-1. The ACDOCA table

Planning Table

ACDOCP is for planned data. (See Figures 1-1 to 1-3.) Planning is one of the key processes in Controlling. Since Version 1610, it has been possible to store the plan results in the ACDOCP table. ACDOCP has the same structure as the ACDOCA table.

Transactions that have been removed but are frequently used can still be used in SAP S/4HANA:

- KP06/KP07 (cost center planning)
- CJ40/CJ42 (overall planning on projects)
- CJR2/CJR3 (project planning)
- KPF6/KPF7 (order planning)

While you can still use old transaction codes for planning purposes, such as project planning/cost center planning/order planning, the plan data will be stored in the old tables, not in ACDOCP. Analytical apps that come from recent releases do not read plan data from the classical tables, only from ACDOCP.

General Table L)isplay	
lackground Num	ber of Entries 🛛 🗊 🖪 🖪 🖶	All Entries 🔍 🔍 🚔 🖙 🎸 🔻 🔺
Table	ACDOCP	🖸 Plan Data Line Items
Text table		No texts
Layout		
Maximum no. of hits	500	Maintain entries

Figure 1-2. The ACDOCP table

Similarly, ACDOCAU is a central table for group reporting,

Figure 1-3. The ACDOCU table

Fixed Asset Accounting

Asset Accounting is a significant area of Finance. Fixed Assets represent the largest part of the balance sheet for capital-intensive companies/industries.

Creating synergy between asset management and the general ledger is better for the company's balance sheet accuracy. So FI-AA Integrated Asset Accounting data is stored in the ACDOCA table. This has eliminated many index and total tables and reduced data redundancy. With the FI-AA integration table design, there is no need for reconciliation between the general ledger and Asset Accounting.

After migrating from ECC to SAP S/4HANA, customers can view their data and all the old reports will work. Previous fiscal years' reporting is possible, as old tables become available as compatibility views.

As a part of a period end activity, Reconciliation with Asset Accounting is not needed any longer (see Figure 1-4).

🖻 Program	<u>E</u> dit	<u>G</u> oto	System	Help				
			• « 🖯	0 🐼 🐼	⊖ // //	111	ا 5 🥃 ا 🗘	@ 🖳
Reconci	l. pro	ogram	FI-AA	<-> G/L	: List of ac	counts s	howing di	fferences
۵ 🔁 🕪								
Company code	es				to		(2
Layout								

Figure 1-4. Tcode ABST2, reconciliation for FI and AA

CHAPTER 1 AN OVERVIEW OF SAP S/4HANA

As GL and AA post to the ACDOCA table, the ABST and ABST2 transaction codes are no longer needed (see Figure 1-5).

Consistency Check of	General Ledger and Asset Accounting
🚱 🏂 🗓	
Company Code	
Fiscal Year	
Depreciation area	1
Reconciliation account	
Check Reversed Documents	
Layout	

Figure 1-5. Consistency check for GL and AA

Transparent Depreciation Areas

One depreciation area per valuation is needed and delta areas are no longer needed (see Figure 1-6).

Ch	hange Vi	ew "Define	Depreciation Are	eas": Overv	iew					
8	🧐 🗈 🖪	10 B B B	BC Set: Change Field Va	alues 🛃						
Chart	of dep.	1710 Chart of	Depreciation 1710]				
Def	fine Deprecia	ation Areas			1					
1	and I are an an an area of the	ation Areas Depreciation Area		Real	Trgt Group	Acc.Princ.	G/L			
1	and I are an an an area of the	Depreciation Area		1	Trgt Group			Posts in Rea	1 Time	•
Ar.	Name of Book Dep	Depreciation Area	Ŋ] 🗸		USAP	Area	Posts in Rea Does Not Pos		•
Ar.	Name of Book Dep Local GAA	Depreciation Area	γ	V V	OL	USAP USAP	Area Area		T	*

Figure 1-6. Depreciation areas

One Document per Valuation

Accounting principles are assigned to separate ledgers, so accounting principle-specific documents will be posted for each accounting principle (see Figure 1-7).

Display Documer	it: Data Ent	ry Vie	w									
P AP/Currency Core Items	r Addit.Acct Assig	gnment L	ine Item									
IFRS: International Financial Repo	rti 🕨 🧕	0: USD -	- Documen	t currency								
USAP: USA GAAP	10: USD - Company code currency											
Document Date: 01.02.2020	Docume	30: USD -	Group cu	rrency		Account	ting Principle: USA	CAAD				
Posting Date: 01.02.2020	Period:	02	Fiscal	Year:	2020			iment currence	y			
3 A 7 H K 7. Z	.%. 0(), (J										
國 名 同 開 勝 下, 题 Line items	. %. 20) <mark>.</mark> (1	,,,									
					Profit Ctr	G/L Acct	Short Text	Σ Amount	Crcy	Cost C	Ord	WBS Elem.
Line items			Key BusA			G/L Acct 16009000	Short Text 000040000002 0000			Cost C	Ord	WBS Elem.
Line items Type Peri. Ledger Grp Ref. do*	DocumentNo	Îte	Key BusA 75	Segment	YB600			10.000,00-	USD	Cost C	Ord	WBS Elem.
Line items Type Peri Ledger Grp Ref. do* AA 2 0L 1	DocumentNo	1 Ite 1 2	Key BusA 75	Segment 1000_C	YB600	16009000	00004000002 0000	10.000,00-	USD USD	Cost C	Ord	WBS Elem.

Figure 1-7. Accounting principle-specific documents display

Ledger and Accounting Principle Postings

Transaction code AB01L can be useful for ledger/accounting principle postings (see Figure 1-8).

Company Code	ms 🔒 Header D	ata Change Addit. Asset Account Assignment 🗟
Asset	60000004	0 Test Hardware
Trans. Type	100	External asset acquisition
Transaction	data Additiona	al Details 🛛 😵 Note
		al Details 🛛 🔊 Note
Transaction Area Selection Accounting Pri		al Details Vote

Figure 1-8. Transaction AB01L

S/4HANA Cash Management

S/4HANA Cash Management helps to manage cash and liquidity. This new solution includes Bank Account Management (BAM) and Cash Management. This application is a big improvement over ERP. It offers a better user experience, which is based on Fiori.

CHAPTER 1 AN OVERVIEW OF SAP S/4HANA

It includes:

- Business processes related to manual memo records
- Business processes related to check management
- Electronic bank statements
- Business processes related to bank account management
- Cash operations
- Liquidity management

Bank Relationship Management

Bank Account Management had typical pain points. For example, lack of transparency resulting in encounters during governance and a compliance audit, unmanageable manual management, lack of integration, and decentralized bank relation processes. But with SAP S/4HANA, it delivers simplified regulatory reporting, shortened audit processes, bank account rationalization resulting in reduced costs, and more.

It aids central bank accounts management. For example, workflow processes such as bank account opening, closing, and adjustment, and analysis of cash position of bank accounts.

Transfer Prices

A *transfer price* is a price that is determined when a good or service is transferred between units of two independent organizations. The price can be market price, or cost of goods manufactured plus markup, or a negotiated price. SAP S/4HANA introduced the Transfer Price Solution in the core S/4HANA.

Business Partner Approach Now Mandatory

The customer/vendor master creation in XD01 and XD01 is obsolete. The business partner approach is now mandatory in SAP S/4HANA. To maintain customer and vendor master data, there is a single transaction code that can be cast off. The relations among business partners and customers/vendors are mapped through different business roles and the account group is mapped through grouping. The number range can be set as per the requirement of the client.

Accrual Engine

The accrual engine enables you to automatically calculate accruals in the general ledger. As of SAP S/4HANA 1809, this functionality is included (see Figure 1-9).

Create Accrual Objects Manual Accruals	Edit Accrual Objects Manual Accruals
S ==	23
<u> </u>	

Figure 1-9. Monitor GR/IR account reconciliation – SAP Fiori app

Monitor GR/IR Account Reconciliation is an analytical app that you can use to analyze the GR/IR open items. For purchasing documents, such as Purchase Orders and Delivery Notes, KPIs are displayed. When deeper analysis is needed, you can navigate to a list of GR/IR clarification items and investigate the details or even start with processing purchase order items that don't match goods receipts and invoice receipts (see Figure 1-10).

Monitor Accountion	r GR/IR t Reconcilia-
 ≣\$	

Figure 1-10. Monitor GR/IR Account Reconciliation

Flexible Workflow

This functionality that allows you to define condition-based workflows for a one-step or multi-step approval process according to the customer's requirements for purchase requisitions and orders.

MRP Live

The MRP Engine, also known as MRP Live, is MD01N. The MRP Engine reads all the required elements and helps you take necessary actions. For example, it reads the Purchase Order or the Stock Transfer Order and helps you procure purchase requisitions in a single database procedure. This way, the transfer of data from the database to the application server is reduced.

Lean Service Procurement

Lean Service Procurement simplifies the service procurement process by simplifying the process of booking service entry sheets. There is no longer a need to create a service master with the introduction of a new material type SERV in the material type configuration.

OLAP and OLTP Together

These are now core business processes. They help make the processing more competent (see Figure 1-11).



Figure 1-11. Example of SAP Fiori Analytical apps

SAP S/4HANA Financial Closing Cockpit

The Financial Closing Cockpit application is a part of complex closing processes; it's available in SAP S/4HANA (see Figure 1-12).

Customizing: Display Fina	ncia	al Closin	ng Coc	kpit					
🗘 Create Template 🛛 🕄 Create Task G	roup	🕞 Open	69	G 🙁 🛯	: 17	8 1 2 6] 880тс	Save As	Save as Task (
VA ()		F .	S 4		8 0				
Closing Structure		🕞 Туре	Task ID	Task Desc.	Predec.	Successors	Document	Crit. Path	Planned Duratio
	-								
	123								

Figure 1-12. Financial Accounting Closing Cockpit screen

New Depreciation Run

In SAP S/4HANA, the depreciation screen has been simplified (see Figure 1-13).

Depreciation Posting R	un		
🕀 🚺 🛷 Info for Posting Paramet	ers		
Posting Parameters			
Company Code		to	\$
Accounting Principle		to	_
Fiscal Year	R		
Posting period	R		
Parallel Processing			
Server Group			
Number of Parallel Processes	10		
Output Options			
 Totals Log 			
O Detailed Log			
○No Output Log			
Layout			
Test Run Parameters			
☑ Test Run			
Asset		to	>
Sub-number		to	_

Figure 1-13. Depreciation Run screen

FI-AR Based Credit Management Is No Longer Recommended

In SAP S/4HANA, the FI-AR-CR function (Classic Credit Management) is no longer available. It has been replaced with the functional SAP FSCM-based Credit Management (FIN-FSCM-CR).

SAP S/4HANA Sales

Before SAP S/4HANA, there were many pain points in the ERP platform, including the lack of real-time reporting, visibility through the entire process, and efficient and effective work. But with the flexible data model simplification, the document flow has been simplified.

Simplified Areas in SAP S/4HANA Sales

- The Business Partner approach replaces the ECC (ERP) SD customer master.
- FI-AR-CR Credit Management has been replaced with SAP S/4HANA Finance Credit Management.
- SAP SD Foreign Trade has been replaced with SAP S/4HANA International Trade Management.
- Financial Documents have moved from SD-FT to Trade Finance in Treasury and Risk Management.
- ERP SD Rebates has been replaced with SAP Condition Contract Settlement.
- SD-BIL-RR Revenue Recognition has been replaced with SAP Revenue Accounting.
- ERP LIS/ODP has been replaced with SAP S/4HANA Analytics: ODATA and Open CDS views.

Foreign Trade

The areas that were covered in GTS include

- Document payment
- Compliance for export procedures
- Preference management

SAP GTS should be used instead of the classical Foreign Trade functionality, which is not available in SAP S/4HANA. The functionalities that are covered in SAP S/4HANA are:

- International trade compliance
- International trade classification
- Integration with SAP global trade services
- Integration with SAP watch list screening
- Intrastat

Revenue Recognition

SD Revenue Recognition is not available in SAP S/4HANA. It has been replaced with the new functionality—SAP Revenue Accounting and Reporting (RAR).

Financial Consolidation Through Group Reporting

This new functionality supports Financial Consolidation. As different ERPs, local accounting standards, currencies, and so on, play a significant role in large companies/ industries that have several objects, this is a compulsory exercise. Group Reporting supports computation and disclosure of consolidated reports and gives you data regarding the company performance and its corporate compliance.

SAP Fiori Apps

SAP Fiori is the user experience that replaces the classic SAP GUI. It provides capabilities to users to customize and adjust the screens that are used regularly in business function workflows. Fiori apps can be accessed through mobile phones, desktops, and tablets. The types of Fiori apps are as follows:

- Transactional
- Analytical
- Factsheet

SAP S/4HANA Deployment Options

A simplified data model and a new user experience accompany the cloud and onpremises deployment models. You get cloud as a consistent solution, comparatively with the SAP S/4HANA on-premises solution via subscription model license. The SAP S/4HANA Cloud Public Option has standardized business processes and may not allow customers to do changes extensively. The Private Cloud option leverages the full functional scope and extensibility.

Conclusions

In SAP S/4HANA, the main and core processes have not changed much. Rather they are optimized to support the business operations. This change helps with digital transformation. This transformation brings changes in the way they are executed. This brings improvement and efficiency of all lines of business operations.

Nowadays companies are keen to improve and optimize core processes and want to explore new business models. SAP S/4HANA supports this very easily. With SAP S/4HANA, top management can focus on core operational processes and need not worry about day-to-day operations.

The simplifications and innovations in the core business processes help management with critical business processes in all lines of business, including finance, sales, service procurement, manufacturing, supply chain and asset management, research and development, human resources, and so on. SAP S/4HANA provides a better view of any line of business with real-time data.

The important areas of simplification are inventory management, material requirements planning, capacity planning, sales and distribution, and procurement. This new version supports digital trends such as the IoT and business networks.

Logistics areas have been simplified, especially in three core areas: Plan-to-Product, Order-to-Cash, and Procure-to Pay.

Some of the components have been rearchitected;

- Material Requirements Planning
- Inventory Management
- Material Valuation (integrated to FI)

Last but not least, a unified core helps customers in many areas.

Cloud computing provides different services, such as data storage, networking, security, software applications, and BI, through the Internet and based on the subscription. This provides beautiful response times, data storage, reliability, security, flexibility, and lower IT costs.

Advantages of Cloud Computing

- Reliable
- Flexible
- Low investment
- Up-to-date technologies

Types of Cloud Computing Services

- Software-as-a-service (SaaS)
- Platform-as-a-service (PaaS)
- Infrastructure-as-a-service (IaaS)

CHAPTER 2

Planning for a Conversion to SAP S/4HANA

This chapter discusses the value of SAP S/4HANA, as creating a business case is the first step in a move to SAP S/4HANA. The SAP S/4HANA Solution Architect helps you perform a readiness check to verify various aspects and identify readiness of the current SAP ECC system so it can be converted to SAP S/4HANA. SAP S/4HANA architects work on multiple aspects during this check.

- Analyzing the existing SAP ECC system
- Verifying the conversion readiness
- Checking the consistency of the transaction data
- Checking for custom code adaptability

A well-structured business case is the foremost task of SAP S/4 HANA conversion. It is the best way to prove to customers and all the stakeholders that the product they are planning is a good investment.

The business case shows important business benefits of their proposed investment. The IT team can justify the proposed initiative by showing these business benefits to the CFO and COO.

This chapter discusses some of the tools needed to create a business case for SAP S/4HANA

SAP Readiness Check for SAP S/4HANA

An SAP Readiness Check verifies the readiness of various functional and technical aspects of the existing source system. This tool helps identify the aspects needed for system conversion. The most important issue for finance consultants is the quality of the financial data. The Readiness Check helps finance consultants work on inconsistencies in the finance data before they start the project.

Handling Inconsistencies

Run the FIN_CORR_MONITOR report provided by SAP or contact SAP for further help, if you cannot fix the inconsistencies. SAP will fix those errors only in the production system. Once SAP fixes those issues on the PRD, you need to copy them again to the sandbox system to perform the first conversion.

The SAP Readiness Check is a scientific system analysis. It is the foundation of planning the SAP S/4HANA project. This check verifies software prerequisites, technical requirements, functional implications, custom code data inconsistencies, and more.

Generating the SAP Readiness Check 2.0

Refer to and install the following SAP notes as needed:

- 2913617 SAP Readiness Check for SAP S/4HANA
- 2758146 SAP Readiness Check for SAP S/4HANA & Process Discovery (evolution of SAP Business Scenario Recommendations) or SAP Innovation and Optimization Pathfinder
- 2968380 SAP Readiness Check Report 2.0 Troubleshooting Guide

Execute the following program after installing the required SAP notes (see Figures 2-1 and 2-2).

⊘		🖂 🔳 🕲 🚱 🔮	3 🗅 (H) (K) 🌤 🌤 🛎 🛎 🗷 🖉	1
6ª 🕴 🕀 🦂	• 🌬 🖬 🛍	T 🗈 😥 🕀 Debugging	g 🕀 With Variant 😤 Variants	
Program	RC_COLLECT	_ANALYSIS _DATA	Create	
Subobjects				
Source Cod	e			
O Variants				
O Attributes				
0	tion			
O Documenta				

Figure 2-1. Generating the Readiness Check through the RC_COLLECT_ *ANALYSIS_DATA program*

🕼 Schedule Analysis 🔍 My Jobs 🖓 Download Analysis Data 🛞 Help							
Execution Parameters							
Target S/4HANA Version	SAP S/4HANA 2020 [02 (05/2021) FP]	V					
Scope Selection							
Transaction Usage							
Interface							
Business Process Analytics							
Business Process Analytics KPIs	KFFI000202 - Overdu.						
Business Warehouse Extractor							
Data Volume Management							
HANA Sizing							
Simplification Item Relevance							
Simplification Item Consistency							
Simplification Item Effort Drivers							
Customer Vendor Integration Analysis							
Innovation Potential							
Financial Data Quality							

Figure 2-2. Executed RC_COLLECT_ANALYSIS_DATA program

Here are the jobs to be executed:

- RC_COLLECT_ANALYSIS_DATA is the main job to collect the analysis data
- TMW_RC_INNOVA_DATA_COLL is the innovation potential
- TMW_RC_BPA_DATA_COLL collects Business Process Analytics data
- TMW_RC_DVM_DATA_COLL collects Data Volume Management data
- TMW_RC_HANAS_DATA_COLL collects HANA sizing data
- TMW_RC_SITEM_DATA_COLL collects Simplification Item Relevance check data
- TMW_RC_EFD_DATA_COLL is the Effort Drivers of Simplification Items
- /SDF/HDB_SIZING_SM collects data for sizing

- TMW_RC_FDQ_DATA_COLL collects the financial data for the consistency check
- BO APPLICATION ANALYSIS 01 collects DVM triggers for TAANA and DANA analysis
- FIN_CORR_REC_ANALYSIS_2021_2020 runs the finance consistency checks

Generate the Readiness Check Results dashboard (https://rc.cfapps.eu10.hana. ondemand.com) and then choose Start New Analysis (see Figures 2-3 through 2-5).



Figure 2-3. Readiness Check – New Analysis

Create Ana	alysis		
	Analysis Name: *	S_Readiness_Check_2.0-9thNov2021	
	Customer:*		
	Analysis File:*	RC2AnalysisData C20211109.zip	Browse
	Terms of Use: • [✓ I acknowledge that I have read the SAP Readiness Check Disclaimer and SAP Readiness Check Terms of Use.	
	Authorization: (I acknowledge that all SAP employees may access and use the SAP Readiness Check Results for SAP business purposes like support, s and marketing.	services,
		Cres	ate Cance

Figure 2-4. Readiness Check – Create Analysis

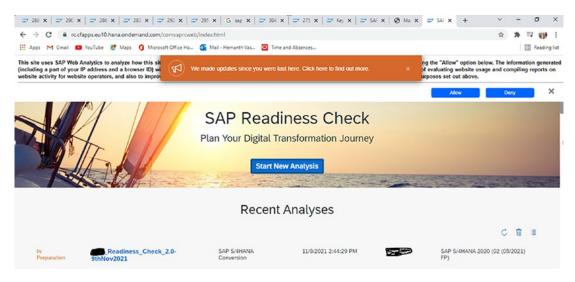


Figure 2-5. Readiness Check - Analysis Preparation

Once the analysis is in the ready state, open the analysis and use the ZIP file generated from the SYCM_DOWNLOAD_REPOSITORY_INFO program (see Figure 2-6).

- 1. Click the Update Analysis icon in the top right.
- 2. Browse.
- 3. Select the earlier saved file.
- 4. Click Update.

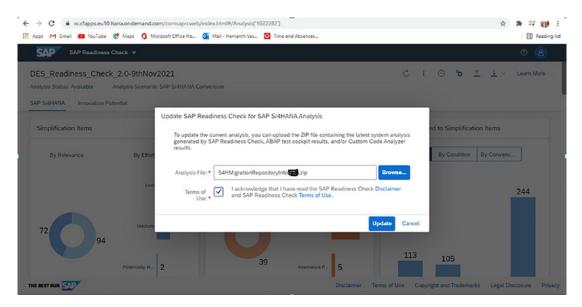


Figure 2-6. Update analysis

Tool 2: Process Discovery (Formerly Known as SAP Business Scenario Recommendations)

This report provides insights and tailored SAP S/4HANA recommendations. SAP ECC clients will appreciate this report, as it shows the business benefits of SAP S/4HANA. Refer to SAP Note 2758146 - SAP Readiness Check for SAP S/4HANA and Process Discovery (evolution of SAP Business Scenario Recommendations) or SAP Innovation and Optimization Pathfinder.

Customers can also plan their move to SAP S/4HANA using the following:

- SAP Readiness Check for SAP S/4HANA
- SAP Transformation Navigator
- SAP Enterprise Support Value Map for SAP S/4HANA
- SAP Value Assurance Service Packages
- Maintenance Planner
- SAP Innovation and Optimization Pathfinder

An Overview of the Custom Code Analysis

As part of the SAP S/4HANA simplification process, you can see many simplified repository objects. The Z programs that access these repository objects may have an impact and may need attention to verify and adapt, so that they work after system conversion. There is an FAQ site about the amount of adaption. Clients frequently ask how much time and effort is needed for adoption. This depends on the impacted items in the current system and how your Z programs use the objects. So you must do a custom code analysis before you start the conversion (SUM).

Repository objects that have existed for a long time in SAP ECC will be removed in SAP S/4HANA (for example, GLT0_AEDAT). Access to such repository objects in Z programs will lead to syntax errors during activation.

Deleted programs or transactions with custom code must be adjusted (for example, Transaction Code MB11). They no longer exist in S/4HANA. SAP recommends user MIGO. Programs that access obsolete programs or transaction codes will be terminated and need to be adjusted.

Custom Code Analysis and Adoption

When you use the SAP HANA database for an ABAP system, many features are different in SAP HANA. Three features in particular have an impact on the way consultants write ABAP programs:

- Column store
- Compression
- Parallel processing

There are changes in SAP S/4HANA. For example:

- De-pooling and de-clustering
- Deactivation of secondary indexes, which prevents unnecessary memory consumption

These changes impact the custom code, directly or indirectly. One change is that you cannot rely on a specific sort order in a SELECT result, unless the programmer explicitly requested such a sort order using the addition of an ORDER BY clause. If a piece of code

works properly only when the result of a SELECT statement is implicitly ordered, the code must be adjusted.

- During conversion, all the standard SAP objects are either upgraded or deprecated based on the latest business processes and programming standards.
- Some of the custom objects developed are not handled automatically in the conversion process.
- You must ensure that custom objects are still working after the conversion process and/or adapt them to the new environment if needed.

So, you might wonder, can't the upgraded system take care of the custom objects developed in the earlier versions? The upgraded system will surely take care of and execute the custom objects developed in the earlier versions, but the new system has many additional features and standards and the earlier objects should be adapted to these new features.

Since many standard objects are either upgraded or deprecated, it is necessary to perform a check that confirms the custom objects are aligned and adapted to the new environment.

This process of checking, confirming, and aligning custom objects to the S/4 HANA environment is called *custom code migration* and it's a mandatory activity in the conversion process.

Here are the phases during which these activities are performed:

- Custom Code Adaptation is performed at the realization phase after successful execution of SUM.
- SAP also recommends an optional activity, called Custom Code Analysis. This activity is done at the preparation phase, before the execution of SUM. It's optional and is done only to estimate the effort needed for custom code adaptation.
- Using Custom Code Analysis, the scope of the custom code adaptation can be determined, and hence the effort can also be determined.
- Unused programs can be listed and stopped from being migrated to the converted system.

Determine whether a custom object should be adapted:

- To check whether objects in the system need an adaptation, SAP provides a package called Simplification Database.
- This package can be downloaded from the SAP marketplace. It contains all the checks and possible suggestions/notes for the errors in the custom objects developed in the earlier versions.
- This simplification database should be imported into the new upgraded S/4 HANA system.
- Checks are then configured and monitored to analyze the custom code and adapted as required.

Follow these steps to configure and monitor the custom code checks against the simplification databases:

- 1. Download the latest version of the simplification database from the SAP marketplace (available as a ZIP file).
- 2. Import the ZIP file into the converted S/4 HANA system using transaction SYCM.
- 3. The contents of the simplification database can also be displayed in SYCM.
- 4. Once the contents are displayed successfully, the checks should be configured. This is done through the transaction ATC.
- 5. The list of custom objects to be checked and the variant against which the checks are done can be selected in the ATC transaction.
- 6. After selecting the required fields, the checks can be scheduled and monitored (and the results can be displayed).
- 7. Quick fixes are then applied based on the error description and possible suggestion/note.

How Custom Code Analysis Is Performed

Since this activity is performed before the conversion, you must have another system that is already on the target version of the S/4 HANA.

- Checks are done by this S/4 HANA system and hence it is called the *central check system*.
- The system that is being converted is called the *checked system*.
- The central check system should be equipped with the latest version of the simplification database.
- The ATC configuration is then done in the central check system and monitored for results.
- No fixes are done during this activity.
- Only the unused objects are identified and stopped from being migrated in the conversion process.
- SAP recommends this activity to be performed, as the scope of the custom code adaption can be determined.

How the central check system and checked systems are linked:

- A link is established between the two systems using RFC connections in SM59.
- The central check system should be able to log in to the checked system using a connection without a login dialog.

System requirements of the central check system and checked system:

- There are many roles and authorization objects that are assigned to the central check and checked systems. For instance:
 - The latest version of the simplification database should be imported to the central check system.
 - The SAP user ID used to configure ATC runs in the central check system and should have the SAP_SATC_ADMIN role.

- The authorization object S_YCM should have a value of SDB for the SYCM_AREA authorization field and a value of UL for the ACTVT authorization field.
- The SAP_BASIS component in the central check system should be 7.52 (or higher).
- The RFC user of the checked system should have the S_RFC and S_DEVELOP authorization objects.
- There are notes to be applied to the central check system (2436688, 2364916) and the checked system (2485231, 2270689, 2190065).

Tools for Custom Code Analysis Tool for Identifying Unused Custom Code: SCMON

The SCMON transaction is used to identify the frequency at which an object is executed. Objects that are not used for many days (more than a year) can be considered unused/ not suitable for the business process. These custom objects can be stopped from being migrated during the conversion process.

Transaction SCMON:

- Decide on a period (time duration) for analysis and activate the call monitor for that period.
- Deactivate the call monitor after the period is complete.
- Display the data collected by the call monitor (see Figure 2-7).

ABAP Call Monitor				
	🖸 Collect Data 🛛 🚳	😚 Display Data	🗞 Display Call Graph	🖉 Display Log
State				
Activation	Inactive			
Status of Records	🔲 ОК			
Records	5.476			
Daily Time Slices	1 of 7 Slices Us	sed		
Scheduled Data Collection	Not scheduled			
Scheduled Deactivation	Not scheduled			
Record Limit	0			

Figure 2-7. ABAP Call Monitor

Extended Program Check-SLIN Code Inspector -SCI

In the earlier versions of SAP, SLIN was used to check a single repository object. Later, SCI was introduced, which could handle multiple repository objects. In the latest versions, SAP introduced ATC, which is used to schedule the checks in the background and monitor them. It is also used to perform checks on remote systems along with the local system.

For example, whenever ATC is used, the scope of the usage should be determined i.e., whether the checks are done locally or on remote systems. This is specified in the system role (see Figure 2-8).

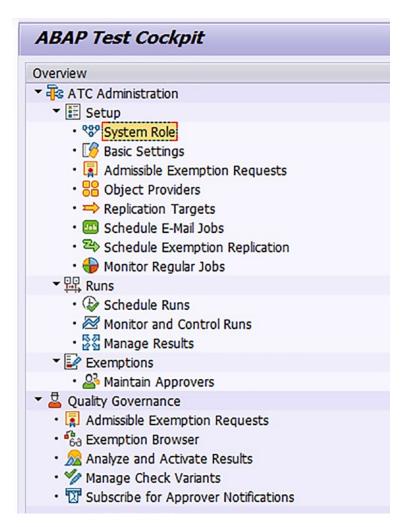


Figure 2-8. ABAP Test Cockpit

Inside the system role, click the Change Option. Select the ATC Check Using Object Providers radio button (see Figure 2-9).

Change System Role	
9 i	
Use System For	
O Local ATC Checks Only	
• ATC Checks Using Object Providers	

Figure 2-9. System Role

Save the change and come back to the ATC Transaction home screen. The next step is to specify the check variant (the list of checks against which the objects are checked). This is done in Basic Settings. Double-click the Basic Settings option under the Setup menu (see Figure 2-10).

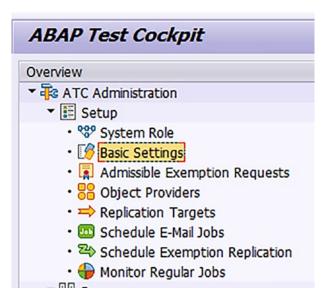


Figure 2-10. ABAP Test Cockpit - Basic Settings

DEFAULT is the predefined check variant that is maintained. But you can select a required variant from the drop-down list as well. It is best to select variants specific to the S/4 HANA version you are migrating to. For example, for a system migrating to S/4 HANA 2020 uses the S4HANA_READINESS_2020* variant (see Figure 2-11).

Change Basic Settings		
% i		
Code Inspector		
Global Check Variant	DEFAULT	
Reference Check System		
Allow additional features in ABAP D	evelopment Tools?	
. ● No		
○ Yes		
Exemptions		
Master System		-
System ID		
RFC Destination		
RFC Dest. (Approval)		
Do you want to enable ATC exemp	tions in the system?	
	cons in the system?	-
• No		
○ Yes		
Determine Contact Person		
Object Responsible		
Last Changed By		
Transport Tool Integration		
Transport Settings Check	cs on transport release depend on user defaults	

Figure 2-11. Basic settings

Save the changes and go back to ATC home menu. If ATC is done for remote checks, the object providers should be specified. The object provider is the RFC destination of the system that is being checked by ATC.

Click Object Providers in the ATC Menu (see Figure 2-12).

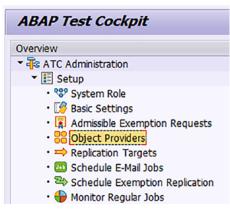


Figure 2-12. ABAP Cockpit Object Provider

Maintain System Group Information

Click Change Icon and add a new entry. Enter an ID and a description (see Figure 2-13).

New Entries: Overvie	w of Added	Entries	
% B ■ ■ ■			
Dialog Structure	System Groups		
• 🗁 System Groups	ID	Description	Last C
E System Groups BRFC Object Providers Correction Systems	XXX	20000000]

Figure 2-13. System Group

Save the entry and then click RFC Object Provider. Then enter an ID, a description, and RFC destination details. ATC is used for remote checks (see Figure 2-14).

Display View "RFC	Object Provid	lers": Overview			
🧚 🖪 🖉 🕼					
Dialog Structure	ID	Description	System Group	RFC Destination	SAP System
• 📄 System Groups					
RFC Object Providers					
Correction Systems					

Figure 2-14. RFC Object Providers

Save the entry and come back to ATC menu screen. The next step is to schedule ATC runs. Double-click Schedule Run from the ATC home menu (see Figure 2-15).

ABAP Test Cockpit
Overview
ATC Administration
▼ 📰 Setup
• 💖 System Role
 Basic Settings
 Admissible Exemption Requests
 Object Providers
 Replication Targets
• 🚾 Schedule E-Mail Jobs
 Schedule Exemption Replication
• Monitor Regular Jobs
▼ 🛄 Runs
• 🐼 Schedule Runs
 Monitor and Control Runs
• 🖉 Manage Results
 Exemptions
• 🗳 Maintain Approvers
- ft outhe Courses

Figure 2-15. ABAP Cockpit Schedule Runs

Click the Create button to create a new run series (see Figure 2-16).

Run Series: Browse Configurations						
Schedule	Edit Create Treate	<u>s s m</u> rð				
🚯 Series Name	Description Create New Conf	iguration				

Figure 2-16. Schedule Run Series

A pop-up appears. Enter a series name and click Confirm (see Figure 2-17).

🔄 Config Series: Ec	lit Name	A	×
Series Name		s	þ

Figure 2-17. Run Series Name

Provide a check run description and select a required check variant. Provide the list of objects to be checked (by name, package, or type) and then click Save (see Figure 2-18).

<u>Configuration</u> <u>Edit</u> <u>G</u> oto	S <u>v</u> stem <u>H</u> elp				
✓ ✓ «	M 싚 I 😒 📎 🔊 I 🖶	🖞 🎝 🎝 🎝 🎝 🌄	2 🕜 🖳		
Configuration: Edit					
Check Run					
Description	&SYS&: &DOW&,	, CW&CW& &YEAR&			
Handling of Pragmas/Pseudo Comme	ents SP Suppress Find	dings 👻			
	Analyze Genera	ated Code			
	Consider Baseli	ne			
	Calculate Quick	c Fix Proposals			
Check Variant					
Name	DEFAULT				
Objects to Check					
Checkable Namespaces	♦ Modified Objects				
	• Fildanica objecto				
	Namespaces				
✓ Include Objects From Checkable					
 Include Objects From Checkable By Ouery 					
• By Query	2001				
By Query Package					
By Query Package Transport Layer			<u></u>		
By Query Package Transport Layer Software Component		to	<u>8</u>		
By Query Package Transport Layer		to to	<u></u>		

Figure 2-18. Browse Configuration Runs

Select the configuration. Click Schedule Series and execute. From the list, select the newly created series name you created and click Schedule.

It will schedule a program in the background (see Figures 2-19 and 2-20).

Run Series: Browse Configurations			
	Create Tolete		
Series Name Doccrie Schedule Series	tion : &DOW&, CW&CW& &YEAR&		
ZSERIES	: &DOW&, CW&CW& &YEAR&		

Figure 2-19. Schedule the series

Schedule run series	
🚱 🚱 Execute in Background	
Header	
Series Name	ZSERIES
Central Check Run	
Set to Active Result	
Days Before Deletion	21
Execution	
Number Processes	10
 Schedule on Single Server 	
OSchedule on Server Group	
Server Name	
With Trace (Level 0)	
5	
Postprocessing	
Distribute Result to	E Contraction of the second se
Notification	
Send Notifications to Contacts	
Skip If New Findings Exceed	200

Figure 2-20. Schedule the run SERÇIES

A background program is scheduled with the series name. The status of the background job can be viewed in transaction SM37.

The background job runtime will depend on the number of objects selected when configuring the run series. Once this job is finished, you can check the finding results.

The message in Figure 2-21 appears after successfully scheduling the configuration.



Figure 2-21. Run Scheduled information message

The next step is to monitor the scheduled configuration. In the ATC main menu, double-click Monitor and Control Runs (see Figure 2-22).

ABAP Test Cockpit
Overview
ATC Administration
👻 📰 Setup
• 💖 System Role
• 🎼 Basic Settings
 Admissible Exemption Requests
• 📴 Object Providers
 → Replication Targets
• 🚥 Schedule E-Mail Jobs
 Schedule Exemption Replication
• Monitor Regular Jobs
▼ 🖽 Runs
• 🕼 Schedule Runs
• 🜌 Monitor and Control Runs
• 문접 Manage Results
Exemptions
• 🗳 Maintain Approvers
Quality Governance

Figure 2-22. ABAP Test Cockpit

Enter the run series name or execute it open wide (see Figure 2-23).

to 🖻
to 🖻
to 🖻
0 Any 🔻
2

Figure 2-23. ATC runs

Select the scheduled run series. Click Display Result after the scheduled ATC run is completed (see Figure 2-24).

ATC Run Mo	nitor							
Project Executions	Result Result	e 🗞 Expert 🦯 🚊 ᄛ 🤇	<mark>61) (61</mark>) <mark>()</mark> () () () () () () () () () () () () ()			
Description			State	Restarts	Duration [s]	Started On	Started At	Expires On
AED: Monday, CW47	2021		2	0	10	22.11.2021	05:38:19	29.11.2021

Figure 2-24. ATC Run Monitor

The results are displayed in statistical views. You can view them in different formats by drilling down using the Choose Statistic option (see Figure 2-25).

🛛 😵 🚖 昆 Choose statistic 🥊 🎁 🔞				
Statistics: Check	Description	Prio 1	Prio 2	Prio 3
Tota	Total	395	55	464
Search problematic statements for result of SELECT/OPEN CURSOR without ORDER BY	Check Title	40	4	311
S/4HANA: Field length extensions	Check Title	167	45	147
S/4HANA: Readiness Check for SAP Queries	Check Title	10		
• in Prerequisites for the test	Check Title	1		
S/4HANA: Search for database operations	Check Title	119		
S/4HANA: Search for Simplified Transactions in Literals	Check Title			6
S/4HANA: Search for usages of simplified objects	Check Title	58	6	

Figure 2-25. ATC Run Monitor

Based on the results, you can analyze the objects and do the custom code adaptation using ABAP Development Tools.

Custom Code Adaptation

- After the system conversion is completed successfully, you need to adapt the custom code in the upgraded system.
- SAP provides the SPDD, SPAU, and SPAU_ENH transactions, through which you can reset or adjust to any modification done to the ABAP data dictionary and development objects. This can happen during and after the conversion is completed.
- A local ATC run needs to be scheduled in an upgraded S/4 system for custom code findings. For that you need to import a simplification database system (As in the "Central Check System" mentioned previously, but with the system role set to Local Run.)
- Based on the local ATC run results, you need to adapt objects that are identified by fixing them through Eclipse, ADT (ABAP Development Tools).
- By analyzing and adapting the custom code to the new S/4 HANA environment, it is possible for the business process to use the latest standards of development as much as possible.

Conclusions

Custom Code Analysis and Adoption is one of the most important conversion activities. As there are several simplifications in SAP S/4HANA, the Z custom code has to be analyzed and adapted. If not, the custom code may not work as expected or will produce dumps after system conversion. Every simplification item includes changes to SAP objects and refers to an SAP Note. This SAP note shows the impact of the change and how the related custom code must be adapted.

As a Central Check System, the SAP NetWeaver Application Server for ABAP 7.52 is used. There are two steps in the conversion process to handle custom code:

- 1. Custom Code Analysis \blacktriangleright Preparation phase \blacktriangleright (Optional).
- 2. Custom Code Adaptation \blacktriangleright Realization phase \triangleright (Mandatory).

Custom code should be adapted to the S/4 HANA environment after system conversion. This is done after the upgrade and after adjustments are made through SPAU and SPDD.

Prior to adapting the custom code after conversion, Custom Code Analysis can be performed in the preparation phase to estimate the effort required for the adaptation. This Custom Code Analysis should be done before converting the system to S/4 HANA. It should be noted that Custom Code Analysis is only a recommendation, but Custom Code Adaptation is mandatory.

Programming consultants working on SAP S/4HANA conversion should understand impact of custom code on SAP S/4HANA and the need for code adaptation. They must analyze the simplification item list and SAP notes specified by the SI check report and the SI check catalog. Identifying unused and retired custom code is very helpful for the customers, so they can cleanse the code before adopting unused code. It saves on time and cost.

SAP Readiness Assessment also helps to identify custom code. You can also analyze custom code with the Custom code Migration Fiori app, adopting code that is related to syntax errors, simplified objects, filed length extensions, obsolete transaction codes, obsolete programs, and obsolete database tables, which are an important part of the custom code adaptations.

The next chapter provides an overview of the conversion process and preparations that are needed for conversion. It also discusses tools that are needed for conversion.

CHAPTER 3

An Overview of SAP ECC System Conversion

This chapter provides an overview of the system conversion process and explains the important tools that are necessary. The system starting point determines which tools consultants have to use. Consultants should refer to SAP Help documents, SAP Notes, and the SAP Conversion Guide while performing the system conversion.

Overview of the Conversion Process

Figure 3-1 shows an overview of the ECC system conversion process to SAP S/4HANA.

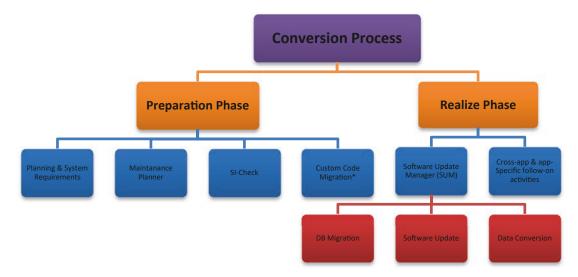


Figure 3-1. Overview of the conversion process

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

The entire conversion activity can be broadly divided into two phases:

- Preparation phase
- Realization phase

SAP recommends performing the activities in this sequence, not randomly. The Simplification Item Check report enables consultants to plan for the functional preparation for SAP S/4HANA conversion.

The preparation phase includes these steps:

- 1. Readiness check and BSR and pathfinder reports for knowing affected simplified items and mandatory changes to be performed
- 2. Maintenance Planner
- 3. SI check
- 4. Custom code migration
- 5. Cross application activities

The realization phase includes these steps:

- 1. SUM
- 2. Follow-on activities
- 3. Conversion Cockpit

The Preparation Phase

1. The Readiness Check

The Readiness Check gives an initial high-level impression of the conversion activity. You may refer to SAP Note 2758146, "SAP Readiness Check."

2. Maintenance Planner

When planning for SAP S/4HANA conversion, we can simulate this. This simulation can help determine the planning and preparation activities of the conversion project, as we know about business functions, add-ons, and industry solutions that are compatible with SAP S/4HANA. It checks ECC system's add-ons, business functions, and industry solutions to ensure compatibility with SAP S/4HANA. It also creates the stack file used for the actual SAP S/4HANA conversion process.

Maintenance Planner should be used as shown in SAP Note 2287046. It checks if add-ons, business functions, and industry solutions are supported for the conversion. Maintenance Planner is required to generate the XML file.

To ensure compatibility with SAP S/4HANA, it creates a stack file that is used for the conversion process that is being done by the SUM. The Maintenance Planner example in Figure 3-2 taken for:

Source: ECC6.0 EHP8 SIMPLE FIN 1605 >> Target: S/4HANA 1909 FPS02

If there is no availability of SOLMAN, choose the Generate System Info XML file from SPAM and upload it to MP (see Figure 3-2).

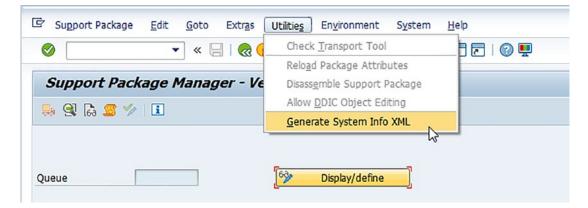


Figure 3-2. SPAM – Utilities menu

Run the Maintenance Planner from https://apps.support.sap.com/ sap(bD1lbiZjPTAwMQ==)/support/mp/index.html (see Figure 3-3).

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

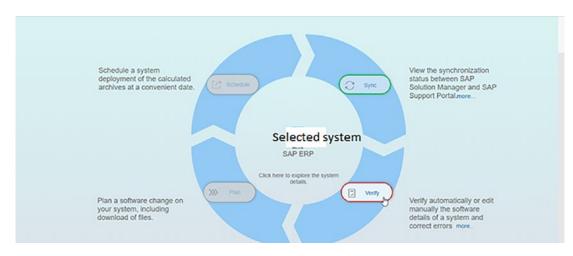


Figure 3-3. Maintenance Planner's Tasks

Figure 3-3 shows the Maintenance Planner's Tasks:

- Synchronize the SAP system information
- Verify the SAP system
- Define the SAP system track
- Plan software change
- Schedule deployment

3. Simplification Item Check (SI Check)

The third tool is the Simplification Item Check (SI Check). Refer to SAP Note 2399707. You can use SAP Note 2245333 for additional checks. The Simplification Item Report for SAP S/4HANA displays the items that are relevant for current ECC source systems to convert to SAP S/4HANA. These items will be identified by this tool based on certain factors, such as the transaction codes and programs used, customizations, and table contents. For functional consultants, this SI check report is the most important means of preparing the current ECC system for SAP S/4HANA conversion. Functional consultants will be able to filter items as optional, mandatory, conditional, and so on, to prepare the system. This is a mandatory activity. All the errors in the report must be resolved before executing SUM. Refer to SAP Note 2399707. If you want to run the consistency check, implement SAP Note 2399707 and SAP Note 2502552. SAP Note 2502552 is not required for SAP S/4HANA and SAP BW/4HANA (SAP Readiness Check).

SAP strongly recommends using the production system; otherwise .the results might not be accurate. If your system is a copy of the production system, implement SAP Note 2568736 to prepare the required ST03N data.

One issue that crops up when you use a system copy from a production system is that the ST03N data cannot be copied to perform the check. In this case, you can utilize the function provided with this note. Refer to SAP Note 2568736.

Update SPAM if it is lower than 71 (see Figures 3-4 to 3-6).



Figure 3-4. SPAM version

Implement SAP Note 2399707, if it's not already implemented.

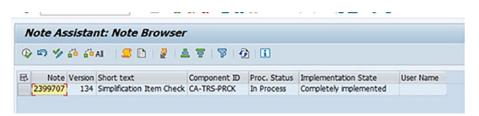


Figure 3-5. SAP Note 2399707

Use ST-PI, as shown in Figure 3-6.

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

☞ Installed Software					
Installed Software Component Versions Installed Product Versions					
) (%) (2 7			
Component	Release	SP-Level	Support Package	Short Description of Component	
SAP_BASIS	750	0003	SAPK-75003INSAPBASIS	SAP Basis Component	
SAP_ABA	750	0003	SAPK-75003INSAPABA	Cross-Application Component	
SAP_GWFND	750	0003	SAPK-75003INSAPGWFND	SAP Gateway Foundation	
SAP_UI	750	0004	SAPK-75004INSAPUI	User Interface Technology	
ST-PI	740	0012	SAPK-74012INSTPI	SAP Solution Tools Plug-In	
SAP_BW	750	0003	SAPK-75003INSAPBW	SAP Business Warehouse	

Figure 3-6. ST- PI

Refer to SAP Note 2502552. Prerequisites:

- Follow the descriptions in the TCI_for_Customer.pdf attachment from Note 2187425. It describes how to enable SNOTE for implementation of TCIs, as well as how to enable SNOTE for reimplementation of TCIs.
- Note that the TCI enablement needs to be done in every system before a TCI can be implemented. This applies to systems where the TCI gets implemented via transport (such as the Q or P system).

SAP Download Service (a new feature):

- The SAP Download Service is a feature of the SNOTE that allows users to download them as digitally signed notes via SNOTE. It also allows downloading TCI files from TCI notes automatically.
- This means that the points 5 and 6 below are not required anymore as they will be handled by the SAP Download Service once it is activated.
- As a prerequisite to activate the Download Service, be sure to perform the TCI enablement before.

See Notes 2576306 and 2554853 for more information about the SAP Download Service.

Generating a Simplification Item Check:

- 1. Implement Note 2399707, Simplification Item Check.
- 2. Update data using SAP Note 2568736.
- 3. Execute the checks in 000 for correct results and ensure SPAM version is 71 or higher.
- 4. Enter T-Code SA38 => /SDF/RC_START_CHECK.
- 5. Once the job finishes, go back to the program and click Display Last Test Result 4 (see Figure 3-7).

Implement 2399707 - Simplification Item Check

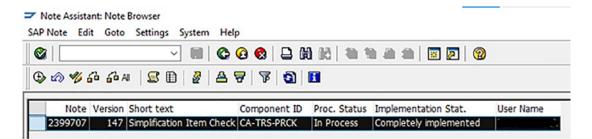


Figure 3-7. SAP Note 2399707

Update Data Using SAP Note 2568736 – SAP Readiness Check for SAP S/4HANA – Copy ST03N Data

SAP Note 2399707 (minimum version 77) has also been implemented in the target system, where the SAP Readiness Check is performed. We are at Version 147 (see Figures 3-8 to 3-11).

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

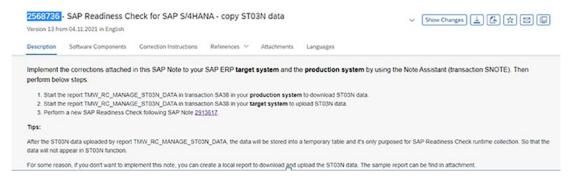


Figure 3-8. SAP Note 2568736

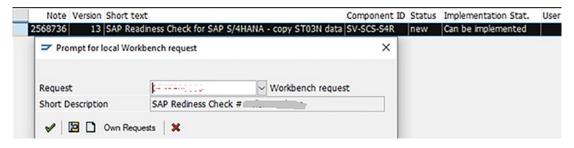


Figure 3-9. SAP Note 2568736 Implemented

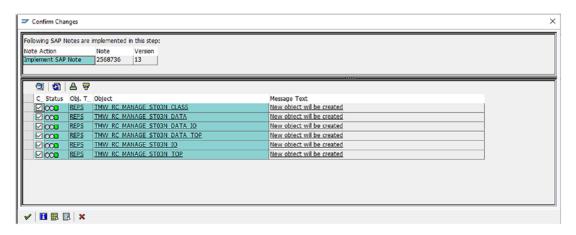


Figure 3-10. Confirm Changes

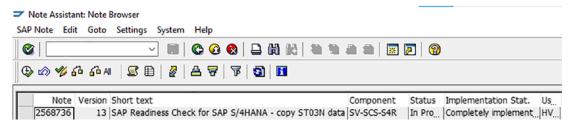


Figure 3-11. SAP Note 2568736 implemented

Apply Notes 2536585, 2606986, 2615270, and 2569813 (manual steps). Ignore any note that give a message that it cannot be implemented.

Execute the checks in 000 for correct results and ensure that the SPAM version is 71 or higher (see Figures 3-12 to 3-14).

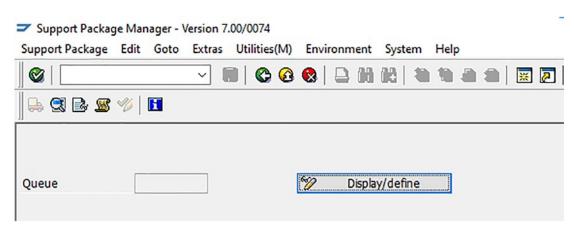


Figure 3-12. SPAM version

Enter T-Code SA38 => /SDF/RC_START_CHECK

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

SAP Readiness Check for SAP S/4HANA - Simplifie	cation Item Check
<u>P</u> rogram <u>E</u> dit <u>G</u> oto S <u>y</u> stem <u>H</u> elp	
S C C C	3 😢 🗅 Mi Mi 🍋 🛳 🛳 🔺 🖾 🔊 🎯
Display Application Log Help	
Simplification Item Check Options	
Target SAP S/4HANA Version S	AP S/4HANA 2020 [02 (05/2021) FP]
O New relevance check in Online mode	
New relevance & consistency check as backg	round job
O Display Last Check Result	
Implemented version 147 of SAP Note 23	399707 is not up to date.
Implemented version 90 of SAP Note 250	02552 is not up to date.
Simplification Item Catalog Source	
Local Version [09.11.2021 08:22:30 UT	.c]
Update Catalog with latest version	from SAP
Discrete Catalog	from file
Download Current Simplification Iter	m Catalog

Figure 3-13. Simplification Item Check

Once the job finishes, go back to the program and click Display Last Test Result.

A I	В	C	D	E	F
	ce Last Consistency Result	Exemption Possible	ID	Title	Lob/Technology
2	(8	SI2: MasterData_BP	S4TWL - Business Partner Approach	Database and Data Management
3 🛆	2	8	SI3: HR_LEARN	S4TWL - SAP Learning Solution	Human Resources
4 🛆		8	SI1: Logistics_MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMEN	Supply Chain
5 🛆	۲		SI1_FIN_GL	S4TWL - GENERAL LEDGER	Finance
6 🛆		8	SI22: GENERIC_CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion	IT Management
7 🛆			SI2: FIN_AA	S4TWL - ASSET ACCOUNTING	Finance
8 🛆	۲	8	SI2: Logistics_PP-MRP	S4TWL - Storage Location MRP	Manufacturing
9 🛆		8	SI5: MasterData_PM	S4TWL - Simplification of copy/reference handling	Database and Data Management
10 🛆		0	SI4: HR_EREC	S4TWL - SAP E-Recruiting	Human Resources
11 🛆		8	SI2: SD_PRIC	S4TWL - Data Model Changes in SD Pricing	Sales
12 🛆		8	SI33: Logistics_General	S4TWL - Retail Information System	Solutions for Specific Industries
13 🛆		8	SI3: Logistics_MM-IM	S4TWL - Material Ledger Obligatory for Material Valuat	Supply Chain
14 🛆		8	SI6: FIN_MISC_ML	S4TWL - Conversion to S/4HANA Material Ledger and	Finance
15 🛆		8	SI6:MasterData PM	S4TWL - Foreign Trade fields in Material Master	Finance
16 🛆		0	SI10: Industry DIMP AD	S4TWL - Actual labor and costing	Solutions for Specific Industries
17 🛆		8	SI10_IS_DIMP_HT	S4TWL - Manufacturing Execution Systems	Solutions for Specific Industries
18 🛆		٢	SI2: Logistics_General	S4TWL - Generic Article Harmonization	Solutions for Specific Industries
19 🛆		8	SI4: IS_DIMP_AUT	S4TWL - Cross-System Transit between Two Plants	Solutions for Specific Industries
20 🛆		8	SI4_IS_DIMP_HT	S4TWL - Billing Process Enhancements	Solutions for Specific Industries
2 4 3 4 5 6 6 7 8 6 9 10 11 10 10 10 0 10 0 10 10 0 10 0 1		8	SI5: Logistics_PSS	S4TWL - Add-On: SAP Product and REACH Complian	Asset Management
22 🛆		8	SI5_IS_DIMP_HT	S4TWL - Software Maintenance Processing	Solutions for Specific Industries
23 🛆		8	SI6: Logistics PSS	S4TWL - Add-On: EHS Web-Interface	Asset Management
a. [A]		(m)	AIT 1 1 1 BAA		

Figure 3-14. Simplification Item Check results

During the preparation phase of the SAP S/4HANA Conversion, or during the upgrade of the SAP S/4HANA system, you have to carefully analyze all the simplification items. These items may impact present business processes.

We can broadly divide these items into two categories:

- Relevance checks
- Consistency checks

It is better to read warning messages and perform activities if needed for every application area.

4. Custom Code Analysis

As the SAP S/4HANA data model simplifies modifications, Z developments may not work unless we adopt them. We will use the central ATC check system. Consultants need to refer to the Custom Code Migration Guide.

Implement SAP Notes 2485231 and 2270689 in the checked SAP system. This central check system must be SAP_BASIS 7.52 or above. SAP Notes 2436688 and 2364916 and associated SAP Notes have to be implemented. Download and upload the Simplification Database as a ZIP file into the central check SAP system using SAP Note 2241080.

On your system, choose transaction code SYCM ➤ Simplification Database ➤ Import from ZIP File.

- Use transaction code ATC for analysis.
- Use Check Variant S4HANA_READINESS_REMOTE.
- Analyze results of ATC using transaction SE80.
- Choose Utilities ➤ Settings. Select ATC Result Browser and confirm. Select the ATC Result Browser button and check the results.

You can see the SAP Readiness document for an overview of Custom Code Analysis. If the ABAP Test Cockpit has been executed in an SAP NetWeaver 7.52 system, SAP RC estimates the portion of findings with Quick Fix support. After executing ATC in the SAP S/4HANA sandbox system, the SAP Readiness Check will show which findings have Quick Fix support.

Custom code migration is one of the most important activities in system conversion, as the source system runs will be converted to the SAP S/4HANA system. In this context, the custom code is required to be adapted to run on HANA.

When customers move to SAP S/4HANA, a part of their custom programs may not be needed. Consultants working on the conversion system will let customers know if an equivalent standard program exists in SAP S/4HANA. SAP's Custom Code Migration Guide describes the complete process of adaption and tools that are necessary and activities that are to be performed. As part of preparation of conversion, ABAP programmers analyze the customer code and plan for adaptation of the custom code. Once the system is converted, they remove any obsolete code, as indicated in the Usage procedure Log UPL/SCMON.

Refer to the ABAP Call Monitor SCMON to analyze usage of custom code. Also refer to the ABAP Test Cockpit documentation.

The Realization Phase

1. Software Update Manager

Key technical stages:

- Select Upgrade/ Conversion Target: It is an uptime activity and can be done using the Maintenance Planner.
- SAP S/4HANA Conversion: Prepare Phase: Refer to the Conversion Guide for SAP S/4HANA at https://help.sap.com/viewer/product/ SAP_S4HANA_ON-PREMISE/2021/en-US?task=discover_task.
- Manual Preparation Activities: Any PREÇPARATION activities that need to be done manually while referring to SUM Guides, Application Guides, ASU Toolbox, and SAP Notes must be addressed.
- SUM Perform Prepare Part
- SUM Perform Executive Part: Includes downtime activities, Database Migration (DMO), and SAP S/4HANA Conversion.
- Perform post update steps: Any post-update activities that need to be done manually while referring to SUM Guides, Application Guides, ASU Toolbox, and SAP Notes must be addressed, including downtime activities.
- SAP S/4HANA Conversion: Follow-on activities together with downtime activities, as mentioned in the Conversion Guide for SAP S/4HANA.

Software Update Manager 2.0

SUM 2.0 was introduced in 2017. The respective version for maintenance activity is provided by the Maintenance Planner. SUM 2.0 for AS ABAP-based SAP systems targets SAP_BASIS 7.50 or higher, while SUM 1.0 was cast off for SAP_BASIS 7.40 or lower (i.e., for SUM 1.0 is used for dual stack, ABAP Stack, and Java Stack).

Software Logistic Tools

SAP recommends using the latest version of these tools. A few documents to refer to include:

- SAP Note 1563579
- SAP Note 1589311
- SAP Note 2965844
- SL Toolset Blogs on SAP Community

SUM Maintenance Scenarios: Performing Steps from the SUM Guide

- 1. Software upgrade using SUM.
- 2. Database migration option (DMO) using SUM.
- 3. System conversion to SAP S/4HANA using SUM 2.0.

Software Update/Upgrade with SUM 1.0/SUM 2.0

Upgrade/update SAP NetWeaver based systems. SUM 1.0 was cast off for SAP_BASIS 7.40 or lower (i.e., for SUM 1.0 is used for dual stack, ABAP Stack, and Java Stack).

Refer to SAP Note 2682395, Guides for SUM 1.0 SP 26, and relevant SAP Community information.

SUM 2.0 For AS ABAP-based SAP systems target SAP_BASIS 7.50 and higher. Refer to SAP Note 2935104, Guides for SUM 2.0 SP 10, and relevant SAP Community information.

Database Migration Option (DMO) Using SUM

Database Migration Option (DMO) with SUM 1.0 is a combined update and migration to SAP S/4HANA process, for target systems below SAP_BASIS 7.50. Refer to SAP Note 2882431, Guides for DMO with 1.0 and SP 26, and relevant SAP Community information on DMO.

Database Migration Option (DMO) with SUM 2.0 is a combined update and migration to SAP S/4HANA process for target systems that are SAP_BASIS 7.50 and higher. Refer to SAP Note 2976921, Guides for DMO with 2.0 and SP 10, and relevant SAP Community information on DMO.

System Conversion to SAP S/4HANA Using SUM 2.0

System conversion as transition from an SAP ECC system to SAP S/4HANA can be done with or without DMO; refer to SAP Note 2976884. (This note is considered the Central SUM Note for SAP S/4HANA conversion. It contains data about manual activities, application-specific SAP Notes, conversion paths, and DB-specific SAP Notes. It can be accessed from https://support.sap.com/en/tools/software-logistics-tools.html.) Check out the guides for DMO with 2.0 and SP 10 and relevant SAP Community information on DMO.

For the Downtime Optimized Conversion approach, refer to SAP Note 2443938, "Support portal on downtime optimized conversion."

The SUM Guides can be accessed from https://support.sap.com/en/tools/software-logistics-tools.html. Move to the Preparation phase through Conversion to SAP S/4HANA with SUM for a list of manual activities that need to be performed.

2. Unicode Conversion

The current SAP ECC system must be a Unicode system for conversion. This is one of the prerequisites of the S/4HANA conversion. If your customer system is not Unicode, you need to plan for two-step conversion approach:

Step 1: Unicode conversion

Step 2: Conversion to SAP S/4HANA

Refer to SAP Note 2033243. This note describes the end of non-Unicode support.

The new SAP system installation is now only possible through Unicode, whereas upgrades of the SAP system are still possible with non-Unicode up to SAP ECC 6.07. However, upgrading a SAP system to SAP 6.08 or higher is no longer possible with non-Unicode. Before such upgrade, you therefore need to plan for Unicode conversion and then plan for an Upgrade project to 6.08.

Areas Affected by Unicode Conversion

A Unicode conversion affects custom programs and may need to verify applications. There may be very minor impacts on the end users.

All Z reports need to be verified and modified if necessary. MDMP Customers in SPUMG are to be expressly handled. Interfaces that are impacted are Unicode to non-Unicode, SAP to Non-SAP, and server and frontend upload and download.

SAP Unicode Conversion Guides

To perform a Unicode conversion, you need to consider the procedure of system copy, as different procedures pertain to different system copy procedures.

Consultants need to refer to these guides, as needed:

- 548016 Unicode Conversion Guide
- 765475 Unicode Conversion Troubleshooting Guide
- 738858 Additional information about R3 Load versions
- Installation Guide
- System copy guide

Relevancy of Guides

In addition to generic notes, SCP and MDMP systems have their own SAP Notes/guides to be followed:

- Note 1051576 for SCP
- Note 551344 for MDMP

Scan Your ABAP Code

SAP recommends using the SAP Tool to scan your ABAP code, using the UCCHECK transaction.

On the Input screen, deselect the checkboxes for Check Only Programs Where the Unicode Flag Is Unchecked and Exclude S* Packages. Then click Execute.

Program Status is displayed (whether Green, Yellow, or Red) along with the row of ABAP Code where the error occurred. This can be considered an indication for how to analyze the error further.

Software Provisioning Manager (SWPM)

SWPM is the tool for SAP system installation, copy and rename, dual stack split, and heterogeneous SAP System copy. It also performs a database export and import and controls the R3 load.

If HR functionality is used, refer to SAP Note 573044, where additional mandatory steps are mentioned.

SAP documentation:

- SAP Service Marketplace, accessed through www.service.sap. com/unicode
- 2. SAP Notes:
 - a. 1322715
 - b. 1051576
 - c. 551344
 - d. 548016
 - e. 765475
 - f. 738858
 - g. 79991
 - h. 928729
- 3. Homogeneous and Heterogeneous System Copy for SAP Documentation

Adjustments During and After Conversion or an Upgrade

SAP has delivered numerous objects, which cover a wide range of business scenarios. Yet, there can be a business requirement which would involve customization. This customization can be done in the customer's namespace or directly over the SAP namespace:

- Customer namespace objects start with Y or Z.
- Objects starting with anything other than Y or Z belong to the SAP namespace.

There are two ways to change objects in the SAP namespace:

- *Modifications*: Changes done directly to the standard SAP object
- *Enhancements*: Customer namespace objects included in the standard SAP objects

Modifications:

- The standard SAP object needs to be registered over the marketplace to obtain an access key.
- After providing the access key, the object is modified and a transport is created.
- Objects can be modified with or without Modification Assistant.
- It is always better to use Modification Assistant to ease adjustments during the upgrade process.

Enhancements:

- SAP delivers different types of enhancements, such as user exits, customer exists, BTE, and BADI and enhancement framework (implicit and explicit) enhancements.
- These enhancements either bypass the standard functionality or add features to it.

Modifications

- Any change done directly to the SAP namespace object is a modification.
- This includes note corrections done through transaction SNOTE.

There are risks involved in having modifications:

- SAP involves integration of many modules. Modifying an object can result in inconsistency at some point, which leads to unexpected results.
- There is a chance of losing support from SAP (OSS) for a particular object if it is modified (except note corrections).
- Modifications can be lost during upgrade.
- More modifications involve more effort during the upgrade process in order to carrying them forward.

Carrying Modifications Forward After the Upgrade Process

How are modifications carried forward after the upgrade process?

After the upgrade process, the current version of SAP is overwritten with the latest version of SAP, which leads to loss of modifications done to the standard SAP objects. To avoid this, there are adjustment activities that should be carried out during and after the upgrade process.

There are different types of SAP objects that should be adjusted during and after the upgrade.

- During the upgrade (all Data Dictionary objects)
 - Domains
 - Data elements
 - Tables
 - Structures

- After the upgrade (all Repository objects)
 - Programs
 - Function groups
 - Logical databases
 - Message classes
 - Business Add Ins
 - HR objects

How Modifications Are Adjusted

How are modifications adjusted?

- Dictionary objects are adjusted using the SPDD transaction.
- Repository objects are adjusted using the SPAU transaction.
- SPDD adjustments are done during the upgrade over the virtual system.
- SPAU adjustments can be done within 14 days of the upgrade.
- For SPDD and SPAU, all the listed objects should be highlighted in green, which specifies that the adjustments are complete (see Figure 3-15).

	ation Adjustment
68° 🖆	🌢 🥕 🐺 🚭 👘 👘 🕵 🔁 🎦 🏭 🏷 🦻 🛛 😓 🛛 🔀 🛛 🔠 🖉 Processor/Status
dificati	ons and Enhancements
- E Not	e Corrections
	-✔ 0000397691 Extended display for Open Form errors in purchasing documn
	■ 0000819197 Investment measure settlement: Settlement in subsequent y
	- ✓ 0002513147 Table logging can be activated even though table is too wi
- Wit	h Modification Assistant
-	
	Data Elements
	Classes
	Programs
	Function Groups Multiple-Use Includes
-	Hartipie-ose includes
- Wit	hout Modification Assistant
	Dictionary Objects
	Transactions
-8	Message Classes
	CE /SEAL/OUT_CR
	E FIN_CFIN_APAR Central Finance SEPA mandate
- 07	UD Objects
	HR Objects

Figure 3-15. Modification adjustment

Before adjusting the object, it will show a traffic light (Red, Yellow, or Green) which specifies the need for modification

- *Green Traffic Light:* Specifies that no modification adjustment is needed, as the current version matches the new version of SAP.
- *Yellow Traffic Light:* Specifies that modification adjustment is needed, as the current version does not match the new version.

If the object belongs to the "With Modification Assistant" category, clicking the yellow traffic signal will adjust the object

If the object belongs to the "Without Modification Assistant" category and there is no support offered by the system, you have to consult with the original user responsible for the modification to decide if the modification should be carried out.

- *Red Traffic Light:* Specifies that modification adjustment is needed, as the current version does not match the new version of SAP. In this case, there is no support offered by the system when clicking the traffic light and the object should be changed manually in its original transaction. For instance, a program must be changed manually in SE38.
- *No Traffic Light:* Specifies that no modification is needed, as the modifications done to the current version are obsolete in the new version. Clicking the traffic light will remove the object from the list. Note corrections are good examples of adjustments with no traffic light.

Based on the type of traffic light, you can decide whether to carry forward the modification or reset it to original (overwrite with new version).

Who Is Responsible for Performing Modification Adjustments?

The developer is involved in the modification adjustment activity, but can involve other resources if needed. For instance, when an object is modified without using Modification Assistant, the developer can reach out to the original user who performed the modifications.

SAP S/4HANA Conversion Project Activities Overview

Discover

• Execute Readiness Check, BSR, etc.

CHAPTER 3 AN OVERVIEW OF SAP ECC SYSTEM CONVERSION

Prepare

- Set up project
- Preparation of activity sheet for conversion project
- Discuss with team and share the plan with the customer
- Analyze the Readiness Check Report
- Analyze the BSR Report
- Install Simplification Item Checks Notes
- Execute SI Check Report
- Start evaluating Simplification Item Check Report
- Execute the Maintenance Planner and generate the file
- Prepare a list of mandatory Simplification Items, modules-wise
- Verify business functions, IS components, and add-ons, as per the Readiness Check
- Custom Code Analysis
- Preparations for Asset Accounting
- Cross-application preparation
- CVI
- Financial Data Reconciliation and Consistency check
- Consistency checks

SUM

- SUM preparations and execution
- SUM downtime preparation
- Finance reports before downtime
- SUM Execution phase
- SUM Final phase

Conversion Cockpit

- SUM Completion Conversion Cockpit
- Conversion Cockpit: preparation
- Conversion Cockpit: data migration
- Conversion Cockpit: post-migration activities
- Reports validation post-conversion

Go live Hypercare Establish safe and efficient operations Plan for further innovations

Conclusions

This chapter included a basic understanding of the tools that support system conversions. The Simplification Item Check Report is the most important tool for functional consultants like FI, CO, MM, SD, PP, PM, and so on. Run this report in all clients, including in client 000. The SUM tool verifies in client 000 also. If possible, you should verify it in the background to ensure you simulate SUM, before SUM does. Always refer to SAP Notes 2399707 and 2502552. As soon as you have done the DEV system conversion, freeze the version of these notes. That way, you don't get new errors in QAS and PRD. If you don't freeze these notes, you always get a new Simplification Item Catalog and may see new errors during QAS and PRD. That will increase your downtime and change your expectations.

Transports are created for SPDD and SPAU and can be imported to subsequent systems. At times, there might be a scenario where transports for SPDD do not work and the adjustments should be done manually in each system. Transports of SPAU will work in all scenarios. Hence, it's important to adjust the modifications in order to carry forward the business functionalities after the upgrade process.

CHAPTER 4

The Customer Vendor Integration (CVI)

The CVI is one of the most critical and important activities of the conversion process. This chapter provides the reports to be executed and the configuration to be done to compete the CVI. This chapter provides guidance on business partner conversion activities. Refer to SAP Note 2265093 to do the complete the CVI synchronization.

The SAP Business Partner Concept

Business Partner (BP) is the new master data for creating customers and vendors and it is one point of entry for maintaining customers' and vendors' master data. Business partner master data will be used in other areas, like Collections Management, SAP Credit Management, SAP Treasury and Risk Management, Loans Management, CRM, SRM, and so on. The CVI process is the synchronization process between the business partner and the customer/vendors.

The SAP Business Partner concept helps to reduce redundancy in the master data, as general data can be shared by all types of business partners. In SAP S/4HANA, using the Business Partner is mandatory. It is the leading object for the maintenance of customer and vendor data.

Transactions like XD01 and XK01 will be redirected to the BP transaction. The KNA1 and LFA1 tables will be linked with the BUT000 table. Purchasing orders that are created by MM users will use the data from LFA1. The sales orders that are created by SD users will use the data from KNA1. SAP BP synchronization via CVI customer/vendor integration links the database table of the business partner and the customer/vendor. The following transactions are not available in SAP S/4HANA.

- FD01, FD02, FD03, FD05, FD06
- FK01, FK02, FK03, FK05, FK06
- MK01, MK02, MK03, MK05, MK06, MK12, MK18, MK19
- VD01, VD02, VD03, VD05, VD06
- XD01, XD02, XD03, XD05, XD06, XD07
- XK01, XK02, XK03, XK05, XK06, XK07
- V-03, V-04, V-05, V-06, V-07, V-08, V-09, V-11, V+21, V+22, V+23

The VDH1N and VDH2N transactions are available in SAP S/4HANA to maintain customer hierarchies.

Mass Maintenance transactions like XD99, XK99, and MASS are also available in SAP S/4HANA.

Customer Vendor Integration (CVI)

Business Partners can now be centrally managed. With the current development, BP is the single point of entry to create, edit, and display master data for business partners, customers, and vendors. This has been developed to achieve harmonization between various master data like customers, vendors, and so on, and to ensure easy master data maintenance.

We can create a Business Partner as a person, organization, or group. Business Partner is referred to as the master data in SAP and it is required to carry out business processes in an organization, such as sales and purchase orders or employee as business partner roles. The Role concept is introduced in Business Partners. A Business Partner can be a vendor, employee, or customer, depending on the requirements. Business Partners can be vendors, goods suppliers, sub-contractors, service agents, and so on. SAP Business Partner Solution reduces data redundancy, as general information can be shared through different roles. There are a few roles that are predelivered by SAP, and they can also be customized. Business Partner Grouping, which is similar to the Account group in customer/ vendor, is assigned to a number range. For a successful upgrade, master data with deletion flags must also be converted. SAP recommends archiving such master data. Often, the challenge that is faced during CVI is consolidation through account groups, number ranges, and field assignments.

The CVI task is one of the Simplification Item Check tasks in the SI Check Report. This activity must be done prior to SUM execution.

Executing the SI Check Program

Use SE38 to execute the Simplification Item Check program. The name of the program is /SDF/RC_START_CHECK (see Figures 4-1 and 4-2).

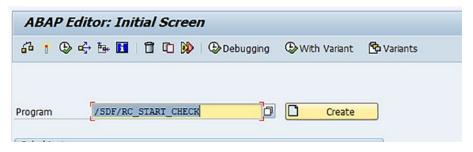


Figure 4-1. The program to be executed for SI checks

CHAPTER 4 THE CUSTOMER VENDOR INTEGRATION (CVI)

SAP Readiness Check	for SAP S/4HANA - Simplifi	ication Item Check	
Display Application Log He	lp		
Simplification Item Check Options			
Target SAP S/4HANA Version	SAP S/4HANA 2020 [02 (05/	2021) FP]	•
New relevance check in Online	e mode		
ONew relevance & consistency	check as background job		
O Display Last Check Result			
△ Implemented version 147	of SAP Note 2399707 is not up to date.		
Δ Implemented version 90 of	f SAP Note 2502552 is not up to date.	۲ د	
Simplification Item Catalog Source			
Local Version [11.11.202	1 06:43:22 UTC]		
Update Catalog wit	h latest version from SAP		
update catalog with	The cost version norm over		
Upload Simplificatio	on Item Catalog from file		
- opioad oimplificade			
Download Current S	Simplification Item Catalog		
SAP			
	R D Chack Consistency	for All Check Consistency Details S Displa	v Consistency C
			y consistency c
Simplification Item I	List - SAP S/4HANA 2020 [0	2 (05/2021) FP]	
Relevance Last Con Exempti.		Title	1
	SI2: MasterData BP	S4TWL - Business Partner Approach	
	SI3: HR LEARN SI1: Logistics MM-IM	S4TWL - SAP Learning Solution S4TWL - DATA MODEL IN INVENTORY MA	NAGEMENT (
	SI1 FIN GL	S4TWL - GENERAL LEDGER	INDEPIENT (
Consistency check re	sult		
🕄 🍘 🗞 Technical Information			
Overview			Nu
 Check started at 12.11. 	2021 21:52:05 EST		1
 Check ended at 12.11.3 			1
Check total run time is			1
	og source: Fetched from SAP		1
	ratalog version used for the check was dow	inloaded from SAP at	1
 I11.11.2021 06:43:22 U Target version: SAP S/4 	HANA 2020 [02 (05/2021) FP]		1
	17 of SAP Note 2399707 is not up to date.		1
	of SAP Note 2502552 is not up to date.		1
• 🔲 0 items have been skip	ped for consistency check in total.		1
 I items checked for co 			1
 Check item "SI2: Master 			26
Highest consistency	check return code: 12		1

Figure 4-2. The Simplification Item Check Program and the Consistency Check Result

Once you execute the program and verify the details shown in Figure 4-2, you can find Return Code 12. It shows that action is needed before executing SUM. The action needed is to configure and execute CVI.

Preparing for CVI

Here are the preparation activities for CVI:

- 1. Implement the prechecks
- 2. Archive the master data with a deletion flag
- 3. Activate the business functions
- 4. Run the master data consistency prechecks
- 5. Set any necessary customizing settings for CVI

1. Implement the Prechecks

To execute the prechecks, verify and implement the following SAP Notes. Then run the precheck programs:

- 2216176
- 1623677
- 974504

Determine if the following SAP Notes are applicable:

- 1454441
- 2309153
- 2295823
- 1623809

2. Archive the Master Data with a Deletion Flag

Before transforming all customer/vendor master data, SAP recommends archiving the customer/vendor master data with a deletion flag in order to reduce the known inconsistencies.

3. Activate the Business Functions

Activate the following business functions (transaction SFW5) before customizing (see Figure 4-3):

- CA_BP_SOA Services for Business Partner
- CA_SUPPLIER_SOA Services for Supplier
- VENDOR_SFWS_SC1 and VENDOR_SFWS_SC2 to synchronize the contact person between vendor and business partner

· & BUPA_ILM_BF	ILM-Based Deletion of Business Partner Data	0	0	SAP_BS_FND	747	AP-MD-BP	
• CA_BP_SOA	Business Foundation: Services for Business Business func. will remain activated 🖓	0	0	SAP_BS_FND	731	CA-MDG-APP-BP	
 ⁽¹⁾ CA_CATS_CE 	CATS classic for Concurrent Employment	•	0	SAP_APPL	604	CA-TS	
 ⁸ CA_CATS_CPR 	CATS regular: cProjects Details	•	0	EA-HRGXX	603	CA-TS	
 ⁸ CA_CATS_CPR_CORE 	CATS classic: cProjects Details	•	0	SAP_APPL	603	CA-TS	
 ⁸ CA_CIF_INILOAD_01 	Enhanced Initial Data Transfer via Core Int	•	•	SAP_APPL	604	SCM-BAS	
• 👌 CA_ECH_1	Improvements to Error and Conflict Handle	8	0	SAP_ABA	731	CA-FS-ECH	
 CA_FINANCIALS_SOA_SEM 	Financials SOA for SEM, EhP6	•	0	SEM-BW	736	FIN-SEM-BCS-INF	
 CA_FSBP_MIGRATION_ID 	FS-8P Migration of Additional Partner Num		0	SAP_ABA	703	FS-BP	
CA_FSBP_TAX_C	FS Business Partner Tax Compliance (Reve	•	0	SAP_ABA	740	FS-8P	
 & CA_HAP_CI_1 	CA, Evaluations, Appraisals, and Surveys 01	•	0	SAP_ABA	701	CA-GTF-AP-PM	
A CA_PA_CE_GE_QUALI	CA, Employee Qualifications for Concurrent	•	0	SAP_ABA	700	CA-GTF-QR	
CA_SUPPLIER_SOA	Business Foundation: Services for Supplier Business func. will remain activated	0	0	SAP_BS_FND	702	CA-MDG-APP-BP	
COMMODITY_MANAGEMENT_01	Commodity Sales, Commodity Procuremen	•		EA-FINSERV	618	FIN-FSCM-TRM	
COMMODITY_MANAGEMENT_02	Commodity Sales, Commodity Procuremen	•		EA-FINSERV	618	FIN-FSCM-TRM	

Figure 4-3. Transaction SFW5, where the Business Functions are activated

After activating the Business Functions, make sure that both switches have Global Status set to ON. This activity can be done using the SFW_BROWSER transaction code (see Figure 4-4).

CHAPTER 4 THE CUSTOMER VENDOR INTEGRATION (CVI)

Switch Framework Browser							
54] () 67.							
Object	Acti	Che	Description	ı			
BSCBN_HANA_NAV	000	6	HANA-Base	d Naviga	tion for Sui	ite	
BSESH_HANA_SEARCH	000	6	SAP HANA-				
 BS_PERIOD_1 BUPA_ILM_BF 		6	Period Tool Business Pa	,			
•		2	Services for				
MDG_DATALOAD_SFWS_01	000	6	Dataload Sv				
VENDOR_SFWS_SC1	000	<u>~</u>	CodeSwitch	1 - Ve	ndMaster (6	5.03)	
VENDOR_SFWS_SC2	000	6	CodeSwitch		ndMaster (6	5.05)	
CA_CATS_CE	000	6	CATS classic				
CA_CATS_CPR)))	6	CATS regul				
• O CA_CATS_CPR_CORE	200	-	CATS classic	C: CPTOJE	ects Detais		
CA_PA_CE_GE_QUALI				\mathcal{U}	ė 🖬	CA, EE Qualifications for CE/GE	
CA_SUPPLIER_SOA			α		6	Services for Supplier	
MDG_BS_BP_SOA_SWIT	CH_01		α		6	Enhancement BAdIs BP Services	
MDG_VALUE_MAPPING_	05		α		62	Value Mapping (UI)	
MDG_VALUE_MAPPING_			α		<u>6</u>	Value Mapping (UI)	
COMMODITY_MANAGEMENT			X	∞	6	Commodity Management 01	
GOMMODITY_MANAGEMENT	F 02		X	∞	<u>6</u>	Commodity Management 02	

Figure 4-4. The screen for SFW_BROWSER

If you did not see Business Function CA_BP_SOA in your system, create a new Business Function with the switches VENDOR SFWS SC1 and VENDOR SFWS SC2.

For the new customized Business Function, the type should be Enterprise Business Function (G)

4. Run the Master Data Consistency Prechecks

During the precheck, you need to check the inconsistencies in the mapping of customizing data from customer/vendor to Business Partner (see Figure 4-5).

4.a. Master Data Inconsistencies Can Be Analyzed Using CVI_MIGRATION_PRECHK

Display results for			
Vendor			
Vendor			
Precheck Details		Checks	
BP roles assigned to account groups			
Account group assigned to BP grouping			
Value mapping (Customer/Vendor -> BP)			
Value mapping (BP -> Customer/Vendor)			
		\checkmark	
Synchronization direction			
Synchronization direction CVI link mapping			
CVI link mapping Contact person mapping			
CVI link mapping Contact person mapping Precheck Upgradation Report			
CVI link mapping Contact person mapping Precheck Upgradation Report			
CVI link mapping Contact person mapping Precheck Upgradation Report recheck Status Result echeck Detals	Status	Error Type	
CVI link mapping Contact person mapping Precheck Upgradation Report Precheck Status Result Acheck Detais roles are assgned to account groups	000	Error Type Customeng Error	
CVI link mapping Contact person mapping Precheck Upgradation Report echeck Status Result Scheck Detais roles are assigned to account groups ery account group BP Grouping must be available		Error Type	
CVI link mapping Contact person mapping Precheck Upgradation Report Precheck Status Result echeck Detais roles are assgned to account groups erv account groups PP Grouping must be available stomer value mapping inder value mapping	000 000 000 000	Error Type Customizing Error Customizing Error Customizing Error Customizing Error Customizing Error	
CVI link mapping Contact person mapping Precheck Upgradation Report recheck Status Result echeck Detais roles are asigned to account groups ery account group BP Groupng must be available stomer value mapping indor value mapping stomer and Vendor Value mapping(BP>-Customer or Vendor)	000 000 000 000 000	Error Type Customizing Error Customizing Error Customizing Error Customizing Error Customizing Error Customizing Error Customizing Error	
CVI link mapping Contact person mapping Precheck Upgradation Report Precheck Status Result echeck Detais roles are assgned to account groups erv account groups PP Grouping must be available stomer value mapping inder value mapping	000 000 000 000	Error Type Customizing Error Customizing Error Customizing Error Customizing Error Customizing Error	

Figure 4-5. The inconsistencies that occurred during CVI_MIGRATION_PRECHK

4.b. Field Checks Suppression

Suppressing fields for vendor and customer account groups enables quicker synchronization, as there are numerous fields in the Business Partner Screen to map to (see Figures 4-6 and 4-7). Refer to SAP Note 2336018.

· Ochana Panagement Incegration
 Business Partner
• 🗟 Analyze Partner Relationships
• 🛃 🛛 Identify Origin of Partner Data
 Agreement with Other Applications re Partners
 Work Out Quantity Framework for Partners
 E Customers
🕆 🛃 Vendors
🕆 🔜 Control
🔹 🕒 Define Account Groups and Field Selection (Vendor)
🔹 🕒 Define Screen Layout Specific to Purchasing Organization

Vendor - Field status group

Figure 4-6. The path for Change Field Status of Account Groups for Vendor Accounts

Customer Field Status group

•	Demand Management Integration
- 🗟	Business Partner
• 🛃	Analyze Partner Relationships
• 🛃	Identify Origin of Partner Data
• 📑	Agreement with Other Applications re Partners
• 📑	Work Out Quantity Framework for Partners
- 🗟	Customers
-	🗟 Control
	 Analyze Customer Master Fields and Define Field Usage
	 B O Define Account Groups and Field Selection for Customers
	· D. A. Dafaa Transitian Dagandant Coroon Lawaut

Figure 4-7. The path for Change Field Status of Account Groups for Customer Accounts

5. Set Any Necessary Customizing Settings

Based on the inconsistencies that occurred from the prechecks using CVI_MIGRATION_ PRECHK, for example, Issues on Account group, Value Mapping, and so on, the following customizing settings and value mappings should be in place (see Tables 4-1 to 4-3 and Figures 4-8 to 4-10).

5.a. Activate Creation of Post Processing Order (PPO)

Table 4-1. PPO

SAP Menu	SPR0 \succ Cross Application Components \succ General Application Functions \succ Post
Path	processing Office \blacktriangleright Business Processes \blacktriangleright Activate creation of processing orders.
T Code	SPRO

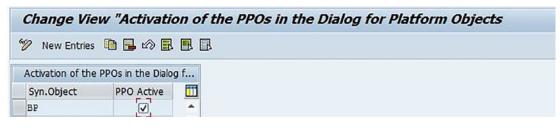


Figure 4-8. Activate Creation of Post Processing Order (PPO)

5.b. Activate Synchronization Options

Table 4-2. Activate Synchronization Options

SAP Menu Path	SPR0 \succ Cross Application Components \succ Master Data Synchronization \succ
	Synchronization Control \blacktriangleright Activate synchronization options.
T Code	SPRO

Change View	w "Active Syn	chroniza	tion Options": Ove	rview
🤣 New Entries	lo 28 🕫 🖪 🛙	3 🖪		
Active Synchroniza	ation Options			
Source Object	Target Object	Act.Ind.	•••	
BP	CUSTOMER		A	
BP	VENDOR		-	
CUSTOMER	BP			
VENDOR	BP			

Figure 4-9. Activate synchronization options

5.c. Activate Creation of Post Processing Order (PPO)

Table 4-3. PPO

SAP Menu	SPRO \succ Cross Application Components \succ General Application Functions \succ Post
Path	processing Office \blacktriangleright Business Processes \blacktriangleright Activate creation of processing orders.
T Code	SPRO

"Activate Creation	of Postpro	cessing Orders":
1 🖶 🗢 🖪 🖪 🖪		
Postprocessing Orders		1
Business Process	Act.	
CVI_01		
CVI_02		-
CVI_03		
CVI_04		
	Postprocessing Orders Business Process CVI_01 CVI_02 CVI_03	Postprocessing Orders Business Process Act. CVI_01 CVI_02 CVI_03

Figure 4-10. Activate Creation of Post Processing Order (PPO)

Customer/Vendor Synchronization: Preparation Phase

Customer-Related Preparations

For customer/vendor and business, partner number ranges should not overlap with the customer and vendor number ranges. If there is overlapping, number ranges should be maintained in such a way that most account numbers remain matched.

It is always recommended to discuss this requirement with the client (see Tables 4-4 and 4-5 and Figures 4-11 and 4-12).

Customer	Account Grou	ips ve	s BP Grouping				
Account	Description	No.	Number Range	BP	Description	No.	Number Range
Group				Grouping			
Y001	Domestic Customer	1	100000 199999	Y001	Domestic Customer	1	100000 199999
Y002	Foreign Customer	2	200000 299999	Y002	Foreign Customer	2	200000 299999
YPTP	Payer Bill to party	3	300000 399999	YPTP	Payer Bill to party	3	300000 399999
YSTO	Cross Company STO	4	400000 499999	YSTO	Cross Company STO	4	400000 499999
YSTP	Ship to Party	5	500000 599999	YSTP	Ship to Party	5	500000 599999

Table 4-4. Customer Account Group vs BP Grouping

1. Define the number of ranges for the customer master.

Table 4-5.

T Code	XDN1
	and Accounts Payable ➤ Customer Accounts ➤ Master Data ➤ Preparations for Creating Customer Master Data ➤ Create Number Ranges for Customer Accounts
SAP Menu Path	SPRO \succ SAP Reference IMG \succ Financial Accounting \succ Accounts Receivable

Disp	olay Numb	er Range Interval	s	
Obje	ct	Customer		
Inter	vals			
No.	From number	To number	Current number	Ext 🛄
01	p000100000	0000199999	101985	-
02	0000200000	0000299999	203246	
-				
05	0005000000	0005999999		
05	0005000000	0005999999 0006999999		

Figure 4-11. Define the number range intervals for customer accounts

2. Assign Number Ranges to Account Groups (Customer).

		tomer Acct Group	ps->Number Range": Overview
Group	Name	Number range	
0001	Sold-to party	01	^
0002	Goods recipient	02	
0003	Payer	01	
0004	Bill-to party	01	
0005	Prospective customer	01	
0006	Competitor	01	
0007	Sales partners	01	

Figure 4-12. Assigning number ranges to Customer Account Groups

Vendor-Related Preparations

For customer/vendor and businesses, partner number should also not overlap with the customer and vendor number ranges. If there is overlapping, number ranges should be maintained in such a way that most account numbers remain matched (see Tables 4-6 to 4-8 and Figures 4-13 and 4-14).

Table 4-6. V_{ϵ}	Table 4-6. Vendor Account Groups	sdi						
Vendor Account	Vendor Account Groups vs BP Grouping	b						
Account Group Description		No.	No. Number Range	Account Group Description	Description	No.	No. Number Range	lange
X001	Domestic Vendor	A1	1000000 1999999	X001	Domestic Vendor	A1	A1 1000000 1999999	1999999
X002	Foreign Vendor	A2	2000000 2999999	X002	Foreign Vendor	A2	2000000 2999999	2999999
X003	Government Vendor	A3	3000000 3999999	X003	Government Vendor	A3	3000000 3999999	3999999
X005	Employee Vendor	A4	4000000 4999999	X005	Employee Vendor	A4	4000000 4999999	4999999
X006	Intercompany Vendor A5	A5	5000000 5999999	X006	Intercompany Vendor A5 5000000 5999999	A5	5000000	5999999

CHAPTER 4 THE CUSTOMER VENDOR INTEGRATION (CVI)

1. Define Number Ranges for Vendor Master Records.

 Table 4-7.
 Vendor Master Records

SAP Menu Path	SPR0 \succ SAP Reference IMG \succ Financial Accounting \succ Accounts Receivable
	and Accounts Payable \succ Vendor Accounts \succ Master Data \succ Preparations for
	Creating Vendor Master Data \succ Create Number Ranges for Vendor Accounts
T Code	XKN1

Obje				
obje	ct Vend	dor		
Inter	vals			
No	From number	To number	Current number	5 A 199
	rionnumber	TO Humber	current number	Ext 🛄
01	0000000001	0000099999	Current number	
01			0	
01 02	0000000001	0000099999		
01 02	0000000001 0000100000 3100000000	0000099999 0000199999	0	
01 02 MM	0000000001 0000100000 3100000000	0000099999 0000199999 3199999999	0	

Figure 4-13. Define number ranges for vendor accounts

2. Assign Number Ranges to Account Groups (Vendor).

Table 4-8.	Vendor Account Groups
------------	-----------------------

SAP Menu Path	SPRO ➤ SAP Reference IMG ➤ Financial Accounting ➤ Accounts Receivable and Accounts Payable ➤ Customer Accounts ➤ Master Data ➤ Preparations for Creating Customer Master Data ➤ Assign Number Ranges to Account Groups
T Code	SPRO

1000		Number	1	
Group	Name	Number range	-	
001	Vendor	xx	0	2
002	Goods supplier	XX		
003	Alternative payee	XX		
004	Invoicing Party	xx		
005	Forwarding agent	xx		
006	Ordering address	xx		
007	Plants	xx		
012	Hierarchy Node	01		
100	Vendor distribution center	XX		

Figure 4-14. Assign number ranges to account groups (Vendor)

BP Synchronization Phase

In BP synchronization, you create groupings and number ranges to match customer and vendor account groups and number ranges, respectively (see Tables 4-9 and 4-10 and Figures 4-15 and 4-16).

Define Number Ranges and Grouping for BP

Each Business Partner Group is assigned to an account group. A number range is assigned to the account group and Business Partner Group.

Table 4-9. Number Ranges and Groupings

T Code	BUCF
	Groupings ➤ Define Number Ranges
	Business Partner \succ Business Partner \succ Basic Settings \succ Number Ranges and
SAP Menu Path	SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ SAP

Disp	olay Numb	er Range Intervals		
Cobje	đ	Business partner		
Inter No.	vals From number	To number	Current number	Ext 🛄
No.	1	To number	Current number	Ext 👖
No.	From number	1		Ext 1

Figure 4-15. Define number ranges for BP

Define Number Ranges and Grouping for BP

SAP Menu Path	SPRO \succ SAP Reference IMG \succ Cross-Application Components \succ SAP
	Business Partner ➤ Business Partner ➤ Basic Settings ➤ Number Ranges and Groupings ➤ Define Groupings and Assign Number Ranges
T Code	SPRO

Grouping	Short name	Description	Number ra	External	Int.Std.Grpi	Ext.Std Grp	
0001	Int.No.Assgnmnt	Internal Number Assignment	01		۲		•
0002	Ext.No.Assgnmnt	External Number Assignment	AB			۲	-
DAR1	Loans	Loan partner (int.cust)	01		0		
GPEX	Ext.no.assgnmnt	External number assignment	AB	\checkmark		0	-
GPIN	Int.No.Assgnmnt	Internal Number Assignment	01		0		
IMMO	Real Estate	Real Estate Partner (I)	01		0		
1DM0			MD	\checkmark		0	
SRM	Stakeholder	Stakeholder Relationship Management	01		0		
TR01	TreasuryPartner	Treasury partner (internal)	01		0		
TR02	TreasuryPartner	Treasury partner (external)	AB	1		0	

Figure 4-16. BP groupings

Mapping Tasks

This section maps all the customizing, such as grouping to account group and number ranges, together:

BP ➤ Customer

- 1. Business partner roles
- 2. Number range
- 3. Other attributes value mapping

Assign Business Partner Roles to Account Groups

Here, we assign BP roles to each Customer Account Group. For Customer FLCU00 (FLCU01), any Z roles that have been created should also be part of such assignments (see Table 4-11 and Figure 4-17).

Table 4-11. Assign Customer/Vendor Group

SAP Menu Path	SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master
	data synchronization \succ Customer/Vendor Integration \succ Business Partner
	Settings \succ Settings for Customer Integration \succ Define BP Role for Direction
	Customer to BP
T Code	SPRO

ole Assi	gnment fo	1000000000						
Group	BP Role	•••						
0001	FLCU00	-						
0001	ZCU001	-						
0002	FLCU00							
0002	ZCU002							
0003	FLCU00							
0003	ZCU003							
0004	FLCU00							
0004	ZCU004							
0005	FLCU00							
0005	FLCU01							
0006	FLCU00							
0006	FLCU01							
0007	FLCU00							
0007	FLCU01							
0012	FLCU00							
0012	FLCU01							
0100	FLCU00							
0100	FLCU01							
0110	FLCU00	-						

Figure 4-17. Define BP Role for Direction Customer to BP

Number Assignments (CVI-Target: Business Partner)

Here, you map BP groupings and account group as per the customer number range. If the customer and BP should be an identical number, the Matching No. checkbox should be selected (see Table 4-12 and Figure 4-18).

Table 4-12.

T Code	SPRO
	Customer to BP
	Settings \blacktriangleright Settings for Customer Integration \blacktriangleright Define BP Role for Direction
	Data Synchronization \succ Customer/Vendor Integration \succ Business Partner
SAP Menu Path	SPRO > SAP Reference IMG > Cross-Application Components > Master

New	Entrie	s 🛍 🚡	. 4	0		
lumber	Assign	nent for [Direc	ctio.		
Group	Grp.	Same No				
0001	0001				^	
0002	0002	\checkmark			-	
0003	0003	\checkmark			-	
0004	0004	✓				
0005	0005	✓				
0006	0006	✓				
0007	0007	-				
0012	0012	-				
0100	0100	-				
0110	0110	✓				
0120	0120	✓				
0130	0130	✓				
0140	0140	-				
0150	0150	-				
CPD	CPD	-				
CPDA	CPDA	-				
DEBI	DEBI	-				
KUNA	KUNA	-				
LCMS	LCMS	-			-	
	***		4	•		

Figure 4-18. Define the number range for Direction Customer to BP

Value Mapping

All necessary configurations, such as marital status, legal form, payment cards, department, and industries, must be configured in this step. These attributes are mapped from the customer to the BP.

Generic checks can be done through the CVI_CUSTOMIZING_RESOLVE program. In this section, you can find the applicable missing customizing entries and inconsistencies (see Tables 4-13 and 4-14 and Figure 4-19 to 4-28).

You have to execute every check to view its message logs.

CVI Customizing Checks for Syn	chro	nization
 General Checks Customer -> BP Checks Customer (-> BP Checks) Customer for Business Partner Roles Customer Account Group -> Role Customer Account Group -> Group Customer Account Group Customer Acco	- All Constanting	B P P P g Activation of Contact Persons act Person Assignment
Generation Missing Industry.Keys Incoming Contact person		Message Contact Person assignment is not active
B Missing Activation B Missing Department Numbers B Missing Functions		

Figure 4-19. Error messages

Activate Assignment of Contact Persons

Table 4-13.

SAP Menu Path	SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master
	Data Synchronization > Customer/Vendor Integration > Business Partner
	Settings \succ Settings for Customer Integration \succ Field Assignment for Customer
	Integration > Assign Attributes > Contact Person
T Code	SPRO



Figure 4-20. Assign a contact person

Assign Department Numbers for Contact Person

sign Denad	ment Numbers for Contac	t Person		
ept (CVI)	Cust/Vend Description	Department (BP)	BP Description	1
001	Managing Director	0001	Managing Director	A
002	Purchasing	0002	Purchasing	-
003	Sales	0003	Sales	#
004	Organization	0004	Organization	
005	Administration	0005	Administration	
006	Production	0006	Production	
007	Quality assurance	0007	Quality Assurance	
800	Secretaries	0008	Secretary's Office	
009	Financial department	0009	Financial Department	
010	Legal department	0010	Legal Department	

Figure 4-21. Assign department numbers for contact person

Assign Functions of Contact Person

sign Functions o	f Contact Person			
unction (CVI)	Cust/Vend Description	Function (BP)	BP Description	
L	Executive Board	0001	Executive Board	-
2	Head of Purchasing	0002	Purchasing Manager	-
3	Head of Sales	0003	Sales Manager	-
4	Head of Personnel	0004	Head of Personnel	
5	Janitor	0005	Quality Officer	
6	Head of the Canteen	0006	Production Manager	
7	Personal Assistant	0007	Personal Assistant	
8	EDP manager	8000	IT Manager	
9	Fin.accountg manager	0009	Financial Accounting Manager	
.0	Marketing Manager	0010	Marketing Manager	_

Figure 4-22. Assign functions of contact person

Assign Authority of Contact Person

New Entries	▶ • • • • •			
ssign Authority	of Contact Person			
PoAtt (CVI)	Cust/Vend Description	Pwr of Att.(BP)	BP Description	
	General authority	1	General Authority	-
	No authority	2	No Authority	•
	Authorized buyer	3	Authorized Buyer	#
	Sole decision maker	4	Sole Decision Maker	
;	General authority	1	General Authority	
[Main decision maker	5	Main Decision Maker	
(No authority	2	No Authority	
1	Joint decision maker	6	Joint Decision Maker	
)	Authorized buyer	3	Authorized Buyer	
I	Decision authority	7	Decision Authority	

Figure 4-23. Assign authority of contact person

Assign VIP Indicator for Contact Person

tor for Contact Person			
Cust/Vend Description	VIP (BP)	BP Description	1
Management	1	Managing Director	
Test Customer	2	Test Customer	-
	Cust/Vend Description Management	Cust/Vend Description VIP (BP) Management 1	Cust/Vend Description VIP (BP) BP Description Management 1 Managing Director

Figure 4-24. Assign VIP indicator for contact person

Table 4-14.	
SAP Menu Path	SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master
	Data Synchronization > Customer/Vendor Integration > Business Partner
	Settings \succ Settings for Customer Integration \succ Field Assignment for
	Customer Integration > Assign Attributes
T Code	SPRO

Assign Marital Statuses

🕫 New Entries 👔		
Assign Marital Statuses		
Marital Status (CVI)	Mar. Sts (BP)	
0 Single	▼1 Single	▼ ▲
1 Marr.	▼ 2 Married	-
2 Wid.	▼ 3 Widowed	▼ ::
3 Div.	▼ 4 Divorced	▼ □
4 NM	▼ 6 Not Married	i 🕶
5 Sep.	▼ 5 Separated	•
6 Unknwn	 7 Unknown 	•
9 RegCou	▼ 8 RegCou	-
U DomPtr	▼ 9 DomPtr	•

Figure 4-25. Assign marital statuses

Assign Legal Form to Legal Status

New Entries	1 🖬 🔊 🖪 🖪 🗟			
sign Legal Form	to Legal Status]
egal Sts (CVI)	Cust/Vend Description	LForm (BP)	BP Description	
)1	Corporation	01	Corporation	-
2	P.I.c.	02	P.I.c.	-
3	P.Lim.by Shares	03	Commercial Partnership Limited by Share	11
)4	P.Lim.by Shares	04	Commercial Partnership Limited by Share	
5	P.I.c.& Co LP	05	P.I.c.& Co LP	
6	Gen.Partnership	06	Gen.Partnership	
07	Private Company	07	Private Company	
8	Co., Ltd.	08	Co., Ltd.	

Figure 4-26. Assign legal form to legal status

Assign Payment Cards

Change View	r "Assign Payment C	ard Type": Overvie	ew	
New Entries	È - ∞ - - -			
ssign Payment Ca	rd Type			
Card Type (BP)	BP Description	Card Type (CVI)	Cust/Vend Descript	ic 📅
0004	Diners Club Card	0004	Diners Club Card	-
AMEX	American Express	AMEX	American Express	-
ЧС	Master-/Euro Card	MC	Master-/Euro Card	
VISA	Visa Card	VISA	Visa Card	- L.

Figure 4-27. Assign payment cards

Assign Industries

efine Outgoing Ind	Select Industry System Define Outgoing Ind Define Incoming Ind							
efine Incoming Indi Define Outgoing Industry Mapping Industry Description Indus. Industry Key 01 Div. Holding Comp. 0001 Diversified Holding 02 Financial Services 1020 Financial 03 Real Estate 1042 Real Estate 10 Energy 1018 Energy & Utilities 1001 Aerospace & Defense 1001 Aerospace & Defense 1002 Agriculture 1002 Agriculture 1004 Application Software 1004 Application Software 1008 Biotechnology 1008 Biotechnology 1009 Business Services 1009 Business Services 1010 Chemical 1010 Chemical 1011 Computer Hardware 1011 Computer Hardware 1015 Distributor 1015 Distributor 1016 Electronics 1016 Electronics 1017 Employment Services 1017 Employment Services 1022 Government 1022 Government 1024		Define Outgoing						
IndustryDescriptionIndus.Industry Key01Div. Holding Comp.0001Diversified Holding02Financial Services1020Financial03Real Estate1042Real Estate10Energy1013Energy & Utilities1001Aerospace & Defense1001Aerospace & Defense1002Agriculture1002Agriculture1004Application Software1004Application Software1008Biotechnology1008Biotechnology1010Chemical1010Chemical1011Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron		Define Outgoing Industry Mapping						
01Div. Holding Comp.0001Diversified Holding02Financial Services1020Financial03Real Estate1042Real Estate10Energy1018Energy & Utilities1001Aerospace & Defense1001Aerospace & Defense1002Agriculture1002Agriculture1004Application Software1004Application Software1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron	-	Industry	Description	Indus.	Industry Key			
02 Financial Services 1020 Financial 03 Real Estate 1042 Real Estate 10 Energy 1018 Energy & Utilities 1001 Aerospace & Defense 1001 Aerospace & Defense 1002 Agriculture 1002 Agriculture 1004 Application Software 1004 Application Software 1008 Biotechnology 1008 Biotechnology 1009 Business Services 1009 Business Services 1010 Chemical 1010 Chemical 1011 Computer Hardware 1011 Computer Hardware 1014 Consumer Product Mfg 1014 Consumer Product Mfg 1015 Distributor 1015 Distributor 1016 Electronics 1016 Electronics 1017 Employment Services 1017 Employment 1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron	-	01	Div. Holding Comp.	0001	Diversified Holding	-		
03Real Estate1042Real Estate10Energy1018Energy & Utilities1001Aerospace & Defense1001Aerospace & Defense1002Agriculture1002Agriculture1004Application Software1004Application Software1008Biotechnology1008Biotechnology1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron		02	Financial Services	1020	Financial			
1001Aerospace & Defense1001Aerospace & Defense1002Agriculture1002Agriculture1004Application Software1004Application Software1008Biotechnology1008Biotechnology1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron		03	Real Estate	1042	Real Estate			
1002Agriculture1002Agriculture1004Application Software1004Application Software1008Biotechnology1008Biotechnology1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1015Distributor1015Distributor1016Electronics1016Electronics1017Employment Services1017Employment Services1024High Tech & Electron1024High Tech & Electron		10	Energy	1018	Energy & Utilities			
1004Application Software1004Application Software1008Biotechnology1008Biotechnology1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron		1001	Aerospace & Defense	1001	Aerospace & Defense			
1008Biotechnology1008Biotechnology1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1022Government1022Government1024High Tech & Electron1024High Tech & Electron		1002	Agriculture	1002	Agriculture			
1009Business Services1009Business Services1010Chemical1010Chemical1011Computer Hardware1011Computer Hardware1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1017Employment Services1017Employment Services1022Government1022Government1024High Tech & Electron1024High Tech & Electron		1004	Application Software	1004	Application Software			
1010 Chemical 1010 Chemical 1011 Computer Hardware 1011 Computer Hardware 1014 Consumer Product Mfg 1014 Consumer Product Mfg 1015 Distributor 1015 Distributor 1016 Electronics 1016 Electronics 1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron		1008	Biotechnology	1008	Biotechnology			
1011Computer Hardware1011Computer Hardware1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1017Employment Services1017Employment Services1022Government1022Government1024High Tech & Electron1024High Tech & Electron	:	1009	Business Services	1009	Business Services			
1014Consumer Product Mfg1014Consumer Product Mfg1015Distributor1015Distributor1016Electronics1016Electronics1017Employment Services1017Employment Services1022Government1022Government1024High Tech & Electron1024High Tech & Electron		1010	Chemical	1010	Chemical			
1015 Distributor 1015 Distributor 1016 Electronics 1016 Electronics 1017 Employment Services 1017 Employment Services 1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron		1011	Computer Hardware	1011	Computer Hardware			
1016 Electronics 1016 Electronics 1017 Employment Services 1017 Employment Services 1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron		1014	Consumer Product Mfg	1014	Consumer Product Mfg			
1017 Employment Services 1017 Employment Services 1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron		1015	Distributor	1015	Distributor			
1022 Government 1022 Government 1024 High Tech & Electron 1024 High Tech & Electron		1016	Electronics	1016	Electronics			
1024 High Tech & Electron 1024 High Tech & Electron		1017	Employment Services	1017	Employment Services			
		1022	Government	1022	Government			
		1024	High Tech & Electron	1024	High Tech & Electron	-		
				< > [***	•		
	-	1016 1017 1022	Electronics Employment Services Government	1016 1017 1022 1024	Electronics Employment Services Government High Tech & Electron	•		
			Position		Entry 1 of 72			
Entry 1 of 72				_				
Entry 1 of 72	hango View "Define 1	ncoming Inc	luctor Manning", O	andau				
	lange view Denne I	neoning ind	usay happing . or	cruicu				
View "Define Incoming Industry Mapping": Overview	New Entries 🔋 🖬 🖾 🖪							
	og Structure	ustor Custom	01					
View "Define Incoming Industry Mapping": Overview	Select Industry System	ustry system 100	01					
View "Define Incoming Industry Mapping": Overview tries 🗈 🕞 🕼 🗟 ure Industry System 0001	Define Outgoing Ind	afina Incoming Ind	usto: Manaina		1			
View "Define Incoming Industry Mapping": Overview tries	Define Incoming Indi	-		le.c.				
View "Define Incoming Industry Mapping": Overview tries Tre Industry System 0001 Define Incoming Industry Mapping Define Incoming Industry Mapping		Indus. Industry k 1038 Pharmace	Key Industry utical 92	Des	cription 🛄			

Figure 4-28. Assign industries

BP ➤ VENDOR

- 1. Business partner roles
- 2. Number range
- 3. Other attributes value mapping

Assign Business Partner Roles to Account Groups

Here, you assign BP roles to each Vendor Account Group. For Vendor FLVN00 (FLVN01), any Z roles that have been created should also be part of such assignments (see Table 4-15 and Figure 4-29).

Table 4-15.

T Code	SPRO
SAP Menu Path	SPRO ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master data synchronization ➤ Customer/Vendor Integration ➤ Business Partner Settings ➤ Settings for Vendor Integration ➤ Define BP Role for Direction Vendor to BP



Figure 4-29. Define BP role for Direction Vendor to BP

Number Assignments (CVI-Target: Business Partner)

Here, you map BP groupings and Account Group as per the vendor number range. If the vendor and BP should match, the Matching No. checkbox should be selected (see Table 4-16 and Figure 4-30).

Table 4-16.

SAP Menu Path	 SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master Data Synchronization ➤ Customer/Vendor Integration ➤ Business Partner Settings ➤ Settings for Vendor Integration ➤ Define BP Role for Direction Vendor to BP
T Code	SPRO

umber	Assign	ment for Di	rectio		
Group	Grp.	Same No			
001	V001			*	
002	V002	✓		-	
003	V003	✓			
004	V004	✓			
005	V005	✓			
006	V006	•			
007	V007	✓			
012	V012	-			
100	V100	✓			
PD	CPD				
PDL	CPDL				
ARL	DARL	✓			
RED	KRED				
IEF	LIEF	✓			
NFR	MNFR	✓			
EIS	REIS	✓			
ERT	VERT				
B01	YB09	✓			
B10	YB10	✓		٣	
	::::		4 Þ		

Figure 4-30. Define number range for Direction Vendor to BP

Vendor Value Mapping

All necessary configurations are configured in this step, i.e., these are attributes that are mapped from the customer to the BP (see Tables 4-17 to 4-20 and Figures 4-31 to 4-34).

Table 4-17.

SAP Menu Path	SPR0 ➤ SAP Reference IMG ➤ Cross-Application Components ➤ Master Data Synchronization ➤ Customer/Vendor Integration ➤ Business Partner
	Settings ➤ Settings for Vendor Integration ➤ Field Assignment for Vendor Integration ➤ Assign Attributes
T Code	SPRO

Assign Industries

alog Structure	Industry System	0001						
Select Industry System								
 Define Outgoing Ind Define Incoming Ind 	Dofine Outgoin	Define Outgoing Industry Mapping						
	Industry	Description	Indus.	Industry Key	E			
	01	Div. Holding Comp.	0001	ersified Holding	-			
	02	Financial Services	1020	Financial	1			
	03	Real Estate	1042	Real Estate	C			
	10	Energy	1018	Energy & Utilities				
	1001	Aerospace & Defense	1001	Aerospace & Defense				
	1002	Agriculture	1002	Agriculture				
	1004	Application Software	1004	Application Software				
	1008	Biotechnology	1008	Biotechnology				
	1009	Business Services	1009	Business Services				
	1010	Chemical	1010	Chemical	ŧ			
	1011	Computer Hardware	1011	Computer Hardware				
	1014	Consumer Product Mfg	1014	Consumer Product Mfg				
	1015	Distributor	1015	Distributor				
	1016	Electronics	1016	Electronics				
	1017	Employment Services	1017	Employment Services				
	1022	Government	1022	Government	-			
	1024	High Tech & Electron	1024	High Tech & Electron				
			4)					

 Select Industry System 	Industry of	Scent Cook					
 Define Outgoing Ind Define Incoming Ind 	Define Incoming Inductor Manning						
	Indus.	Industry Key	Industry	Description			
	1038	Pharmaceutical	92	Pharmaceutical Trade	-		
					•		

Figure 4-31. Assign industries

Activate Creation of Post Processing Order (PPO)

Table 4-18.	
SAP Menu Path	 SPR0 ➤ Cross Application Components ➤ General Application Functions ➤ Post processing Office ➤ Business Processes ➤ Activate creation of processing orders.
T Code	SPRO

Change View	"Activate Creation	of Postpro	ocessing Orders": Overview
💖 New Entries 🛙	🗅 🖬 🗠 🖪 🖪		
Activate Creation of	Postprocessing Orders		
Component	Business Process	Act.	[]]
AP-MD	CVI_01		-
AP-MD	CVI_02		*
AP-MD	CVI_03		
AP-MD	CVI_04		11
FI-LA	RVWD		

Figure 4-32. Activate creation of Post Processing Order (PPO)

Activate Synchronization Options

Table 4-19.

SAP Menu Path	SPRO \succ Cross Application Components \succ Master Data Synchronization \succ
	Synchronization Control \blacktriangleright Activate synchronization options.
T Code	SPRO

Change View	w "Active Syn	chroniza	ntion Options": Overview
🞾 New Entries	🐚 🔒 🗠 🛃 🖪	8 🖬	
Active Synchroniza	ation Options		
Source Object	Target Object	Act.Ind.	—
BP	CUSTOMER	✓	^
BP	VENDOR	✓	•
CUSTOMER	BP		
VENDOR	BP		

Figure 4-33. Activate synchronization options

Check Synchronization Objects

Table 4-20.				
SAP Menu Path	SPRO ➤ Cross Application Components ➤ Master Data Synchronization ➤ Synchronization control ➤ Synchronization Objects.			
T Code	SPRO			

nunge vi	ew "Synchronization Obj	eels , overview	
New Entries	: 🗅 🖶 🗢 🐺 🖡 🛱		
ynchronization	Objects		
Syn.Object	Sync. Mode	Extractor Class	D
BP	1 For Synchronous Comparis	ON CVI_BP_EXTRACTOR	в ^
CUSTOMER	1 For Synchronous Comparis	CMD_EI_API_EXTRACT	0 💙
	L Fay Simphyonous Converia	o… ▼ VMD EI API EXTRACT	v

Figure 4-34. Check synchronization objects

Using the Synchronization Cockpit

Executing the mass synchronization program is a must in the SAP ECC system for CVI. This can be done even a couple of weeks before the conversion synchronization happens in the background for Business Partners in the PRD system. You can even do this synchronization one to two weeks before the SUM tool. If there are any issues in synchronization, such as missing mapping, failed data checks, and so on, they will be stored for post-processing. It is important to clean up all PPO before you execute SUM.

The Synchronization Cockpit can be started using the MDS_LOAD_COCKPIT transaction.

In the Synchronization Cockpit, you can define the queue and block size and analyze the issues through Customizing Synchronization (see Figure 4-35).

Synchronization	Cockpit			
⊕ □				
83			Synchronization	
Synchronization Process			Synchronization Proce	ess
Source Obj	Target Obj		Source Obj.	
Business Partner	Customer		Target Obj	
Business Partner	Vendor			
Customer	Business Partner			
Vendor	Business Partner		Processing M	onitor
			Control Parameters	
			Block Size	0
			Queue Name	
			Max. Processes	0
			Selection Criteria for	Source Object
Customizing Synchronization	1		Synchronization Sco	pe
Report title	· Contrat Donne Attatuto	Program Name		
	or Contact Person Attributes	CVI_MAPPING_CONTACTS		
	or Legal Form and Legal Status			
Synchronize Customizing for Customizing Comparison: P		FSBP_IND_SECTOR_MAPP: MSI_MAPPING_PRODUCT_		
			• •	
• • [
Selection Screen Genera	ated Successfully.			SAP

Figure 4-35. Synchronization Cockpit: MDS_LOAD_COCKPIT

Here is a description of the synchronization process. The synchronization process defines the target and source object, whether it is Business Partner to a customer/vendor or vice versa (see Figures 4-36 to 4-38).

Synchronization	Cockpit		
⊕ □			
8	1	Synchronization	
Synchronization Process		Synchronization Process	
Source Obj	Target Obj	Source Obj.	
Business Partner	Customer	Target Obj	
Business Partner	Vendor		
Customer	Business Partner		
Vendor	Business Partner	Processing Monitor	_
		Control Parameters Block Size D Background Process	ing

Figure 4-36. Synchronization process

The synchronization queue is MDS_CUST_BUPA (see Figure 4-37).

Synchronization Cockpit	ł		
⊕ Ⅲ			
83		1	Synchronization
Synchronization Process			Synchronization Process
Source Obj Ta	arget Obj		Source Obj.
	ustomer		Target Obj
Susiness Partner Ve	endor		
ustomer Bu	usiness Partner		
/endor Bu	usiness Partner		Processing Monitor
			Synchronization Runs
			User Name SRAVI to S
			Date 06.11.2021 to 13.11.2021
			Restrict Number To 100
			7. 3 1 8 0 Queue -
ustomizing Synchronization		1	Pro,, Sta,, Date User Name Test Synchronization Scope Queue Name B P
leport title	P	ogram Name	
ynchronize Customizing for Contact Pe		LANAPPING_CONTACTS	
Synchronize Customizing for Legal Form	n and I anal Status (A MARDING LEGAL FOR	

Figure 4-37. Synchronization queue

The mass synchronization run is handled via inbound qRFCs (transaction SMQ2), as shown in Figure 4-38.

0]
C

Figure 4-38. qRFC Monitor

Step 1. Build queues.

Step 2: Process queues

Figure 4-39 defines the number of dialog tasks for parallel processing.

Synchronization	a Cockpit		
⊕ □			
23			Synchronization
Synchronization Process			Synchronization Process
Source Obj	Target Obj		Source Obj.
Business Partner	Customer		Target Obj
Business Partner	Vendor		
Customer	Business Partner		Processing Monitor
Vendor	Business Partner		Processing Pronicor
			Block Size 0 Blackground Processing Queue Name Test Run Server Group Max. Processes 0
Customizing Synchronizatio		-	Selection Criteria for Source Object
Report title	л	Program Name	Synchronization Scope
	or Contact Person Attributes	CVL_MAPPING_CONTACTS	
	or Legal Form and Legal Status		
Synchronize Customizing f		FSBP_IND_SECTOR_MAPP	
Customizing Comparison: I		MSI_MAPPING_PRODUCT_	

Figure 4-39. Block size for parallel processing

Definition of the block size: SAP usually recommends block size to be defined as 50. We define the block size during synchronization so that if an error occurs during the process, it will be easy to identify the reason for the error in a shorter block. This helps avoid errors in downtime that cannot be analyzed through large blocks. It is also recommended to have smaller blocks.

Figure 4-40 shows the Synchronization Cockpit: customizing.

Synchronization	ncocaph		
🕒 🗖			
8			Synchronization
Anchronization Process			Synchronization Process
Source Obj	Target Obj		Source Obj.
Business Partner	Customer		Target Obj
Business Partner	Vendor		
Customer	Business Partner		
Vendor	Business Partner		Processing Monitor
			Biock Size 0 Biock Size 0 Reckground Processing Queue Name Test Run Server Group Max. Processes 0
			Selection Criteria for Source Object
ustomizing Synchronizati	on 🖌		Synchronization Scope
Report title	for Contact Person Attributes	Program Name CVI_MAPPING_CONTACTS	
	for Legal Form and Legal Status		
		FSBP_IND_SECTOR_MAPPING_CHECK	
Synchronize Customizing			

Figure 4-40. Customizing synchronization

You enter a range of customer or vendor account groups and click Execute.

The Monitor tab displays any error messages. Once the messages are fixed, the Monitor tab shows that the configuration has been done in the correct manner (see Figures 4-41 and 4-42).

Precheck Upgradation Report	
Precheck Status Result	
PreCheck Details	Status
BP roles are assigned to account groups	000
Every account group BP Grouping must be available	000
Customer value mapping	000
Vendor value mapping	000
Customer and Vendor Value mapping(BP->Customer or Vendor)	000
CVI Link	000
CVI MAPPING [customer (2267 /2267) vendor (12838 /12838)]	000
Contact Person Mapping	000

Figure 4-41. Precheck upgradation report

If you were to run the SI check /SDF/RC_START_CHECK, you'd see that all the signals are in green/yellow.

0			• «		최 월 유 화 🌄 🗖 🔗 🖳		
~			•	🖼 1 🕊 🚧 🐯 1 🖨 00 08 1			
s	AP						
ł	9 2	E 000	BRI				
	Check	Consistence	of Al	Check Consistency Details 😕 Di	splay Consistency Check Log 🕼 Apply/Revoke Exemption	Siplay Exemption Log	
	Simplif	ication	Item I	ist - SAD SIAHANA 1	909 [02 (05/2020) FP]		
				and the second			
4	Relevance	and the second second second				Lob/Technology	Busines
5	\triangle		0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterpr
	Δ		8	SI32: Logistics_PLM	S4TWL - Classification - Data Cleanup before Migration	R&D/Engineering	Product
	Δ		0	SIL2: Logistics MM-IM	S4TWL - Document Flow Consistency for Goods Receipt	Supply Chain	Invento
	Δ		0	SIZ2: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion an	IT Management	Adminis
	Δ		0	SI2: Logistics PP-MRP	S4 TWL - Storage Location MRP	Manufacturing	Product
	Δ		0	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HF
	Δ		0	SIS: MasterData PM	S4TWL - Simplification of copy/reference handing	Database and Data Management	Enterpr
	Δ		0	SIL: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Invento
1			0	SI3: Logistics MM-IM	S4 TWL - Material Ledger Obligatory for Material Valuation	Supply Chan	Invento
	Δ		0	SI13: PPM INTGR KM DOC 01	S4TWL - KM Documents in SAP Portfolo and Project Ma	R&D/Engineering	Enterpr
1	Δ		0	SIZ: SD PRIC	S4TWL - Data Model Changes in SD Pricing	Sales	Order a
1	Δ		0	SIG: FIN MISC ML	S4TWL - Conversion to S/4HANA Material Ledger and A	Finance	Cost Ma
1	Ā		0	SIG:MasterData PM	S4TWL - Foreign Trade fields in Material Master	Finance	Enterpr
	$\overline{\Delta}$		0	SI10: Industry DIMP AD	S4TWL - Actual labor and costing	Solutions for Specific Industries	Aerospa
		-		SILO IS DIMP HT	S4TWL - Manufacturing Execution Systems	Solutions for Specific Industries	High Te

Figure 4-42. Simplification item check

Maintaining a Business Partner

BP is the single point of entry to create, edit, and display master data for business partners, customers, and vendors. Depending on the role and grouping, a Business Partner can be a vendor, a goods supplier, a subcontractor, a service agent, and so on. The following sections discuss a few scenarios for how to create a Business Partner using different roles.

Create a Sold-To Account

Business Partners can be created using the BP transaction or through Fiori tiles (see Figure 4-43).

Maintain Busin Partner	ess

Figure 4-43. Fiori Tile: Maintain Business Partner

From the screen titled Maintain Business Partner, follow these steps:

- 1. Click the type of customer (Person/Organization/Group).
- 2. Select 000000 Business Partner (Gen.) from the Create in BP Role drop-down menu.
- 3. Enter information in the fields as required; see Figure 4-44.



Figure 4-44. Create an organization

On the Create Organization screen, follow these steps to add fields to the address data:

- 1. Save the original record. Then go to Address Overview. Doubleclick the address line and choose Enter Applicable Information.
- 2. Click the Print Preview button to see the mailing/shipping address in full.
- 3. Click Save (see Figures 4-45 and 4-46).

Business Partner (Gen.):			/ 980 Great Wes	t Road / Brentford 1	TW8 9GS
Street/House number:	980 Great West F	Road			
District:	Brentford				
Postal Code/City:	TW8 9GS	Brentford			
* Country:	GB United	Kingdom	Region: LND	London	
Time zone:	GMTUK				
Transportation Zone:	38	London			Æ

Figure 4-45. The BP – Address screen

Address Address Overview Identification Control Payment Transactions Status Additional Te

Figure 4-46. BP print preview

The Sold-to Number is now visible in the display business partner field. A basic address record has been created. Further, the data needs to be extended for finance related and sales information.

This is done through the addition of roles to this address record. For a Sold-to, two partner roles need to be added: Customer (Financial Accounting) and Customer. Make sure the record is in change mode before extending it to another role.

General Data: Finance Role

The Business Partner Role – FLCU00 – Customer (Fin. Accounting) is used to maintain finance data (see Figures 4-47 and 4-48).

Person Orga	nization	Group	Open BP	Previous Partner	Switch Betweer	Display and Change	Check	Company Code	ETM Data
ess Partner:		Ū0		/ B	rentford TW8 9GS				
e in BP role: FLC	U00 Custom	er (Fin.Acco	ounting) 🗸	<u>(</u> @]					
ddress Overviev	v Identi	fication	Control	Payment Transa	actions Status	Legal Data	Customer:	General Data	Customer: 1
Title:				~					
* Name:									
	ddress Overviev Title:	e in BP role: FLCU00 Custom ddress Overview Identi Title:	e in BP role: FLCU00 Customer (Fin Acco ddress Overview Identification	e in BP role: FLCU00 Customer (Fin.Accounting) ~ ddress Overview Identification Control	e in BP role: FLCU00 Customer (Fin.Accounting) 、 (Q) ddress Overview Identification Control Payment Transa	e in BP role: FLCU00 Customer (Fin.Accounting) v Q ddress Overview Identification Control Payment Transactions Status	e in BP role: FLCU00 Customer (Fin.Accounting) ~ (Q) ddress Overview Identification Control Payment Transactions Status Legal Data	ddress Overview Identification Control Payment Transactions Status Legal Data Customer:	ddress Overview Identification Control Payment Transactions Status Legal Data Customer: General Data

Figure 4-47. BP role FLCU00

Company Code Header

Company Code:	Company Codes
Customer:	Switch Company Code

Figure 4-48. BP Company code data

Enter company code, reconciliation account, sort key in account management header, payment terms in payment data header, and any other relevant information in the master data screen. Once the customer with role FLCU00 is completed, click Save.

Set Up the Customer Role – Sales Area

(The role can be extended in Change Mode only):

- 1. Click the Sales Area Data button.
- 2. Enter the sales org, distr channel, division, and any other relevant information and click Save (see Figure 4-49).

Sales Org.:	🗗 Sales Areas
str. Channel: 1	🔄 Switch Area
Division:	

Figure 4-49. Sales area data

The tabs for Order, Shipping, Billing document, Partner Functions, and so on, are editable now.

Enter Currency in Orders Header, Cust.Pric.Procedure, Customer Stats.Group in Pricing/Statistics Header, Delivery Priority, Order Combination, Shipping Conditions in Shipping Header.

Enter relevant data in the Billing and Partner Functions tabs. (In the Partner Functions tab, SAP has created Sold-to, Bill-to, Payer, and Ship-to party with the matching number). Complete the customer.

Click Save.

Create Ship-To Account

If the customer's Ship-to information is different from the Sold-to information, create the Z*** Ship-to Partner. From the Maintain Business Partner screen, enter information in the fields as specified in the following table and click the type of customer— Person/Organization/Group. Typically, for a distributor, the type is Organization (see Figure 4-50).

	< 👥	Creat	e Organizatior	1					
Lo	cator On/Off	Person	Organization	Group	Open BP	Previou	is Partner	Switch Between Display and Change	Checl
	Busi	iness Partne	r:		ش		Group	ping: ZC02 Ship-to Customer 🗸	٦
	* Crea	ate in BP role	e: 000000 Busine	ess Partner	(Gen.) ~	10			

Figure 4-50. Grouping: Ship to customer

To add fields to the address data, follow these steps from the Create Organization screen:

- 3. Save the original record. Go to Address Overview and then double-click the address line. Enter the applicable information.
- 4. Click the Print Preview button to see the mailing/shipping address in full. Then click Save (see Figure 4-51).

Business Partner (Gen.) Change: Address							
Business Partner (Gen.):		/ / F-76960 NOTRE DAME DE	E BON				
Street/House number:							
Postal Code/City:	76960	NOTRE DAME DE BONDEVILLE					
* Country:	FR France	e Region:					
Time zone:	CET						
Transportation Zone:	FR	France	È				

Figure 4-51. Business Partner – Address

Extend the basic address record for the sales information.

The Ship-to number is now visible in the display business partner field. For a Ship-to, one partner role needs to be added: Customer. Make sure the record is in change mode; if it's in display mode, click the Switch Between Display and Change button.

Set Up the Customer role - Ship to Sales Area

(This role can be extended in Change Mode only.)

Click the Sales and Distribution button (see Figures 4-52 and 4-53).



Figure 4-52. BP Role – Sold to Party Enter the Sales org, Distr channel, and Division

Sales Area	
	Sales Org.:
	Distr. Channel:
	Division:

Figure 4-53. Sales Area - BP

Click Save

Enter Currency in Orders Header, Cust.Pric.Procedure, Customer Stats.Group in Pricing/Statistics Header, Delivery Priority, Order Combination, and Shipping Conditions in Shipping Header.

Enter relevant data in the Billing and Partner Functions tabs. (In the Partner Functions tab, SAP has created a Sold-to, Bill-to, Payer, and Ship-to party with the matching number). Complete the customer.

Link the Ship-to Partner to the Sold-to Partner

Open the appropriate Sold-to account to assign the new Ship-to record to. Ensure that the Customer record is in Change mode.

- 1. Select Customer (Defined) in the Change in BP role.
- Click the Sales and Distribution button. Select the Partner Functions tab. In the first blank row, type in SH in the Partner Function column.
- 3. In the Number column, type the newly created Ship-to account number or search for it via the drop-down menu.
- 4. Check the box for the default Ship-to account.
- 5. Click Save (see Figure 4-54).

		Business Partner:			(lea			/ Brentfor	d TW8 9GS
	1	Display in BP role:	2CU001	Sold-to party		~[ब		
	Orders	Shipping Ri	lling	Partner Fun	stions	Additio	onal Data	Status	Customer: Text
			ung	Farther Full	ictions	Additio	onat Data	Status	Customer. lext
Partr	ner Fun	ctions							
	PR	Partner Functn		Number	Assi	gned BP	Descript.		Partne
0	SP	Sold-To Party 1)	1				
0	BP	Bill-To Party)	1				
0	PY	Payer)	1				
0	CR	Forwarding Agent			1				
0	SH	Ship-To Party)	2				

Figure 4-54. SH partner functions

1. Create Bill-To Partner

Similar to bill-to partner and payer partner.

2. Maintain Employee as Business Partner

Step 1: Go to T. Code PA30 (see Figure 4-55).

R 🖉 & 🗈 🖬 🛣 🙇					
Create (F5) 大阪 受会 Find by ・ & Person	Personnel no.]		
・ 价 Collective search help ・ 价 Search Term ・ 价 Free search	Basic personal data	Contract data			
	Infotype Text	S.,			
	Actions		OPeriod		
	Organizational Assignm Personal Data Addresses Bank Details	ent	From Today All From curr.date To Current Dat Current Period	te OLast month OCurrent Year	
			·		
	Direct selection				
	Infotype		STy		

Figure 4-55. Maintain employee

Step 2: Select Actions Infotype and click Create.

Step 3: Enter the parameters shown in Figure 4-56.

ers.No.	7
Start 01.01.	2019 to 31.12.9999 Chng 16.07.2019
Personnel action	
Action Type	01 Hiring 👻
Reason for Action	
Status	
Customer-specific	▼
Employment	3 Active 👻
Special payment	1 Standard wage type
Organizational assignme	nt
Position	99999999 Default position
Personnel area	1710 Region 1710 (US)
Employee group	1 Employee
Employee subgroup	Y1 Employee

Figure 4-56. Enter these parameters

Step 4: Click Save to move to the next screen. Step 5: Maintain Employee details (see Figure 4-57).

Change I	Personal Data					
la 🖓 🖓						
Start	[12.11.1991] to 31.	12.9999 Chng 1	5.07.2019			
Name						
Title	Mr 💌	Name Format				
Last name		Birth name		٦		
First name		Initials				
Name prefix	•	N.prefix 2	N.prefix 2			
Title	v	Second title	Second title			
Other title	_	Nickname				
Additional data						
			[main sector			
Birth date	12.11.1991	Language	EN English 👻			
Birthplace		Mar.status	-			
Ctry o.birth	~	Since				
State		No. child.				
Nationality	US American US 🔹	Religion	-]		
2nd/3rdNat		-				

Figure 4-57. Change personal data

Step 6: Click Save to go to the next screen. Step 7: Enter the subarea (see Figure 4-58).

🔊 🗔 👧	Org Structure	
tart	01.06.2019 to 31.12.9999	Chng 15.07.2019
Enterprise str	ucture	
CoCode	1710 Company Code 1710	Leg.person
Pers.area	1710 Region 1710 (US)	Subarea 1710 Location 1
Cost Ctr		Bus. Area
Personnel str	ucture	
EE group	1 Employee	Payr.area 99 Non-payroll-relevant
EE subgroup	Y1 Employee	Contract 🔹
Organizationa	i plan	Administrator
Percentage	100.00 🔀 Assignment	Group 1710
Position	99999999 Default position	PersAdmin
Job key	00000000	Time
Org. Unit	50000000 Company	PayrAdmin
	Company	Supervisor

Figure 4-58. Change organizational assignment

Step 8: Save (see Figure 4-59).

Change Addres	ses	
🖓 🕞 🧟		
Start [01.06.2	019 🗂 to	31.12.9999 Chng 13.07.2019 1
Address		
Address type	1 Permane	ent residence 👻
Care Of		
Street and House No.	123	
2nd Address Line	345	
Postal code / city	56001	NEW YORK
District		
Region	IN Ind	lana
Country Key	US USA	*
Telephone Number	12345	
Distance in km.	1	
Company housing		
Bus route		

Figure 4-59. Change address

Step 9: Maintain address (see Figure 4-60).

Change Bank	Details
la 🔉	
itart [01.06	.2019 to 31.12.9999 Chng 15.07.2019
Bank details	
Bank details type	0 Main bank 👻
Payee	
Postal code / city	56001 NEW YORK
Recipient Country	US USA 👻
Bank Country	US USA 👻
Bank Key	
Bank Account	Bank control key
IBAN	
Payment Method	Cash Payment
Purpose	
Payment currency	

Figure 4-60. Maintain address

Step 10: Select main bank (0). Step 11: Save (see Figure 4-61).

📃 Maintain HR Master I	Data			
🗅 🖉 🛠 🖸 💀 🛣 🙇				
 Find by Age Person M Collective search help M Search Term M Free search 	Personnel no.	t data	ם[
	Infotype Text Actions Organizational Assignment Personal Data Addresses Bank Details		Period Period From Today All From curr.date To Current Date Current Period Choose	To Ocurr.week Ocurrent month Last week Last month Ocurrent Year
	Direct selection Infotype Communicat	ion	STy 0001 Sys	tem user name (SY-UNAM

Figure 4-61. Maintain HR Master Data

Step 12: In the highlighted area, select info type Communication and sty 0001. Step 13: Click Create (see Figure 4-62).

Start	01.06.2019 to 31.12.9999 Chng 07.07.2019	
Communication	1	
Туре	0001 System user name (SY-UNAME)	
System ID		

Figure 4-62. InfoType communication

Step 14: Enter the USER ID and choose save.

The employee is now created with Personnel Number. This is extended as a Business Partner with respective roles and groupings.

Step 15: BP Creation Go to BP T. Code.

Step 16: Select BP Category as Person and BP Grouping as BPEE.

Ste	p 17: Enter all the	parameters as	per the rec	quirements ir	n Figure <mark>4-63</mark> .

ange in BP role	000000 Business Partner (G	
	COCCCO Business Partner (G_ *	
Address Address	Overview Identification Control Payment Transactions Status Additional Texts	Technical ID
Address Address	Overview Eldentification Control Payment Transactions Status Additional Texts	recinical ID
Name		
Title	0002 Mr. 👻	
First name		
Last name		
Full Name		
Correspondence lang.	English English	
Language	English English	
Search Terms		
Search Term 1/2		
Standard Address		
🕂 🖨 🖓 Print Prev	www.	
Street Address		
Street/House number		
Postal Code/City	12345 NEW YORK	
Country	US USA Region	
Country Time zone	US USA Region	
Country Time zone PO Box Address	US USA Region	
Country Time zone PO Box Address PO Box	US USA Region	
Country Time zone PO Box Address	US USA Region	
Country Time zone PO Box Address PO Box	US USA Region	
Country Time zone PO Box Address PO Box Postal Code	US USA Region	
Country Time zone PO Box Address PO Box	US USA Region	
Country Time zone PO Box Address PO Box Postal Code Communication	US USA Region	
Country Time zone PO Box Address PO Box Postal Code Communication Telephone	US USA Region	
Country Time zone PO Box Address PO Box Postal Code Communication	US USA Region	

Figure 4-63. Business Partner screen

Step 18: Once all the details are filled in, click check to validate details. **Step 19:** Go to the Identification tab (see Figure 4-64).

Sex	⊙Unknown	OFemale (Male	
Marital Status		0.000		
Nationality				
Identification Numbers				
External BP Number				
IDType Description	Ider	ntification number	Responsible In	stitution Entry da
ID Type Description	1001	remedicion rinor no or		

Figure 4-64. Identification tab data

Step 20: In ID Type, enter HCM001 and enter the previously created personal number in PA30. Click Save.

Step 21: Now select the FLNV00 role and click Company Code (see Figure 4-65).

Company Code		
Company Code	1710 Company Code 1710	8
Customer		-
Vendor	[0000000000000000000000000000000000000	
Vendor: Account	Management Vendor: Payment Tra	ansactions
Account Managemer	ot	
	N	
Reconciliation acct	Travel Expe	nses Payable

Figure 4-65. BP Role FLVN00

Step 22: Enter CC and Reconciliation account and then scroll down (see Figure 4-66).

Reference Data		
Previous Account No.		
Personnel Number	4	

Figure 4-66. Company code Data tab

Step 23: Enter the personal number and choose save.

Step 24: Now select the FLVN01 role and select Pur.Org. (see Figure 4-67).

Purchasing Organization Purch. organization		. Org. 1710
Purchasing Data	Partner Functions	Additional Purc
Conditions		
Order currency		A.

Figure 4-67. BP role – FLVN01

Step 25: Enter Pur.org and Order Currency and choose save.

Step 26: Now select the FS0000 role and open Company Code to check whether its extended or not. Choose Save.

Step 27: Select the BUP001 role and verify that all the address details are populating. Choose Save.

Step 28: The BP has now been created.

Single Employee-BP Synchronization

This is synchronization with EMP and BP (see Figure 4-68).

- 1. Open the SA38 transaction.
- 2. Enter *Program Name*/SHCM/RH_SYNC_BUPA_EMPL_SINGLE.
- 3. Execute.

S/4HANA BUPA Sy	nchronization	
🚱 🔁 🗓 🗎		
Further selections	Search helps	Sort order
 ○ Today ○ Up to today ● Other period 	Ocurrent month	⊖Current year
Data Selection Period		То
Person selection period Payroll period		То
Selection		
Personnel Number	4	
Employment status	_	

Figure 4-68. Single Employee: BP Synchronization

4. Provide the personal number created in PA30 and run the program (see Figure 4-69).



Figure 4-69. Single Employee: BP Synchronization

- 5. Now check the log using the SLG1 transaction.
- 6. This data is in the Object and Subobject fields (see Figure 4-70):

Object: SHCM_EE_INTEGRATION Subobject: BUPA_SYNC

Analyze A	pplication Log			
¢				
Object	SHCM_EE_INTEGRA	ICH_EE_INTEGRATION		
Subobject	BUPA_SYNC	IPA_SYNC Q		
External ID	*			
Time Restriction	I			
From (Date/Tim	e) 16.07.2019	00:00:00		
To (Date/Time)	16.07.2019	0 23: 59: 59 0		
Log Triggered B	ly .			
User	* 0			
Transaction cod	le *	Q		
Program *		Q		
Log Class		Log Creation		
Only very important logs		 Any 		
Only important logs		Dialog		
⊖Also less imp	ortant logs	O In batch mode		
 All logs 		OBatch input		
Log Source and	Formatting	N		
 Format Com 	pletely from Database			
OFormat Only	Header Data from Data	abase		
OFormat Com	pletely from Archive			

Figure 4-70. Analyze Application log

7. Once Object and Subobject are maintained, execute the log (see Figure 4-71).

CHAPTER 4 THE CUSTOMER VENDOR INTEGRATION (CVI)

🕄 🕜 🐶 Technical Information 🚺	Help							
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
16.07.2019 15:40:05 F	1	00000005	SHCM - Employ	Synchronizatio		SAPMSSY1	Dialog pro	0000000000001529741
▶	1	00000005	SHOM - Employ	Synchronizatio		SAPMSSY1	Dialog pro	000000000001529742
▲ 16.07.2019 17:02:59 F	7	00000007	SHCM - Employ	Synchronizatio		SAPMSSY1	Dialog pro	0000000000001530019
 A Problem class Other 	7							
▲ 16.07.2019 17:03:00 / 1	7	00000008	SHOM - Employ	Synchronizatio		SAPMSSY1	Dialog pro	0000000000001530020
▶	1	00000005	SHCM - Employ	Synchronizatio		SAPMSSY1	Dialog pro	0000000000001530128
A 16.07.2019 17:28:49 / 4							A CONTRACTOR OF STREET, STREET	
	6	00000006		Synchronizatio		SAPMSSY1	Dialog pro	0000000000001530134
A 15.07.2019 17:25:49 1 4 A Control Cont	mizing TRV_VE nking d bund (F ature T	IN PTRV_VENDO INDOR_SYNC. All ata to be transfe VTRV_VENDOR_S	Contractions of the second sec	0 △4 3 y code 1710. Neted.		SAPMSSY1	LTxt	

Figure 4-71. Display log

- 8. Now EMP ID and BP are synced.
- 9. Open the SU01 transaction and check the final output (see Figure 4-72).

Maintain Use										
> 🌮										
ior	1	User with	h Business	Partner Assi	gnment (Busine	ss Partner	9980000012	2)		
hanged By	1	16.07.2019	17:03:0	2 Sta	tus Save	đ				
Documentation	Address	Logon Data	SNC	Defaults	Parameters	Roles	Profiles	Groups	Personalization	License
Person							-			
Title	0002 Mr.		*							
Last name			Name	at Birth						
First name			Initials							
Academic Title			2nd A	cademic						
Prefix		~	2nd pr	refix			-			
Name Supplement			Nickna	me						
2nd Family Name			2nd Fi	rst Name						
Full Name										
Name Format			Forma	t country						
Search Term 1/2		j=			1					
	and the second s				-					

Figure 4-72. Maintain users

It's indeed synced with BP, as shown in Figure 4-72.

The Data Model in SAP S/4HANA Business Partner

Transaction BP is the single point of entry for creating/changing/displaying customer/ vendor data. It is easy to access as compared to Customer/Vendor Data Point, wherein different transactions had to be accessed for different roles/data tabs (see Figure 4-73).

Maintain Bi	usiness Parti	ner			
💷 📄 Person	C Organization	Group	🎯 🗢 🔿 🎾 🖧	General Data Relatio	onships 🕴 🐻
Worklist Fit	nd				
Find BusinessPartner Max. hits	Business Partner	Ву	Number	•	

Figure 4-73. Maintain Business Partner

CVI updates customer/vendor data when creating Business Partners. IDOC for interchange of customer/vendor data CREMAS, DEBMAS, and ADRMAS all support S/4HANA. BAPI for creation of customer/vendor data CL_MD_BP_MAINTAIN is not supported as they don't call CVI function CVI_EI_INBOUND_MAIN.

Tables BUT000, BUT100, and BUT020 can be accessed for data in the General data tab. For example, Address, Search Term, Name, Email ID, Contact Number, and so on. This information will remain the same throughout the roles of Business Partners.

CVI synchronizes the KNA1, KNVV, and LFA1 customer/vendor tables into general tables and application-specific tables. Tables for customer data (KNA1) and vendor data (LFA1) remain available and are not impacted.

Linkage impacts the data tables: CM_CUST_LINK and CM_VEND_LINK.

BP Master Data Protection

Display I	MG	
V 🚺 🖻	Existing BC Sets Ger BC Sets for Activity	& Activated BC Sets for Activity
Structure		
چ ،	Bank Directory	
•	Payment Cards	
•	SAP Business Partner	
•	Data Protection	
•	Master Data Synchronization	

Figure 4-74. BP Master Data Protection

Business Data Toolset (BDT)

BDT helps configure the user interface of the Business Partner. It dynamically enables the process of changes in the layout. It can be combined with the Business Rule Framework transaction (BRFPLUS).

The BUPT transaction code determines all the relevant transactions to configure the BDT (see Figure 4-75).



Figure 4-75. BDT menu

BDT events are defined using the BUS7 transaction (see Figure 4-76).

Display View "Events	s": Overview	
Dialog Structure	Event Description APPLC Set Active Applications ARCH0 Archiving: Select Data ARCH1 Archiving: Check Data ARCH2 Archiving: Header Data (Owner Application) ARCH3 Archiving: Dependent Data (Participating Appl.) ARCH4 Archiving: Delete Archived Data ARCH5 Archiving: Check Before Reloading ARCH6 Archiving: Reload ARCH8 Archiving: Registration of Objects	
	AUTH1 Authorization Checks	

Figure 4-76. BDT events

Field modification criteria are defined using the BUSC transaction (see Figure 4-77).

	ries 间 🛃 🔊 🕄 🖳 🕄		
iroupCrit	Description	Read function module	
P001	Business Partner Categories	BUP_BUPA_EVENT_FMOD1_BUP001	-
UP002	Req. Fields for Existing Roles	BUP_BUPA_EVENT_FMOD1_BUP002	-
UP003	Partner Types	BUP_BUPA_EVENT_FMOD1_BUP003	-
VIS001		CVIS_BUPA_EVENT_FMOD1	
VIS002		CVIS_BUPA_EVENT_FMOD1_DPP	
VIS003		CVIS_BUPA_EVENT_FMOD1_AUTH	
FMC001	Cust. Blocked -> Display Sts	RFMC_BUPA_EVENT_FMOD1_DPP	
FMV001	Vendor Blocked -> Display Sts	RFMV_BUPA_EVENT_FMOD1_DPP	

Figure 4-77. Field modification criteria

Field modifications are defined using BUSJ transaction per activity (see Figure 4-78).

Change	View "Field Gr	ouping Activities": Overview
Field Groupi	ng 🦻 New Entries	
Appl. Object	BUPA D	
Field Groupi	ng Activities	
Activity	Descript.	
01	Create	▲
02	Change	
03	Display	

Figure 4-78. Field grouping activities

Field modifications are defined using the BUS0 transaction per category (see Figure 4-79).

Change Vie	ew "Field grouping using BP cat.": Overview	
ield Grouping	💖 New Entries 📫 🔂 🐼 🗟 🖪 🖪	
ield grouping u	sing BP cat.	
Part. Cat.	Description	11
1	Person	٠
2	Organization	•
3	Group	

Figure 4-79. Field grouping using BP category

Field modifications control, at the field group level, whether fields can be set to the following (see Figure 4-80):

Required/Mandatory entry

- Optional entry
- Hidden
- Display
- Not specified

Display IMG
😵 👪 🖷 Existing BC Sets 🗞 BC Sets for Activity 🖓 Activated BC Sets for Activity Change Log
Structure
 Bank Directory
 Payment Cards
SAP Business Partner
• 🗟 😡 Activation Switch for Functions
Business Partner
• 🛃 🚱 BAdI: Validate data input when maintaining authorization groups
• 🛃 🥹 BAdI: Additional Checks for Payment Cards
 Business Partner Relationships
External Data Transfer
 Data Distribution
 Data Cleansing
 Archiving
 Additional Customizing for SAP Business Partners
 Data Protection
 Authorization Management
General Settings
 Blocking and Unblocking of Data
Deletion of Data
Consent Administration
・ 🛃 🥸 Define Source Information
• 🛃 🕀 Define Data Controllers
• 🌛 🕒 BAdI: Define Source Format for Import Process Mapping
Change View "Field grouping using BP cat.": Overview

	Person						
Data Set	Fld Groups		-	1		1	/
Data Set	Fid Groups			/	/	. /	
Description	Description	Fie	Hide	Req.entry	Opt. entry	Display	Not spec.
		Fie 4652	a statistical second	Req.entry	Opt. entry	Display	Not spec.

Figure 4-80. Field grouping using BP category

- 1. The restriction can be defined.
- 2. The authorization object B_BUPA_GRP should be used and tied to an authorization role.
- 3. Blocking and unblocking Business Partner is used to block BP master data.

BP Maser Data Archiving

BP master data that is no longer required may be archived by selecting the Archiving flag in the Status tab, using BP Transaction code (see Figure 4-81).

🕅 🛛 Display	Organization : 170170
🛄 📄 Person 🗌) Organization 🛛 🗋 Group 🛛 😂 🖙 🔶 🌮 🏠 General Data 🔹 Relationships 🗏 🚳
Business Partner	170170 Itest BP Supplier / test 12345
Display in BP role	Business Partner (Gen.)
Address Addre	ess Overview / Identification / Control / Payment Transactions / Status / Additional Texts / Technical Identification
Archiving Flags	

Figure 4-81. Maintain Business Partner

Transaction Code SARA can be used as archive administration. Object CA_BUPA will be used (see Figure 4-82).

Archive Administrat	tion: Initial Screen	
ង៉ឺឌ្ហ 🚺 💷 Logs Customizi	zing Database Tables Information System 😚 Statistics Check/Delete	
Archiving Object CA	BUPA SAP Business Partners	

Figure 4-82. Archive administration

Conclusions

As a review, here are the most important preparation tasks:

- 1. Implement the prechecks.
- 2. Archive customer/vendor master data with deletion flag.
- 3. Activate Business Functions CA_BSOAP.
- 4. Check and integrate customer/vendor enhancement. Refer to SAP Notes 2309153 and 1623809.
- 5. Execute CVI. Refer to SAP Note 2265093.
- 6. Remove and avoid inconsistent customizing and inconsistent customer data.
- 7. Refer to SAP Note 2336018 and Guided CVI Customizing (Note 2344034).
- 8. SAP recommends keeping the customer/vendor number the same when converting to Business Partners. Only when there is a conflict in the number ranges between customer and vendor should one of the entities take a different BP number.
- 9. During synchronization, the system ensures that all necessary authorizations exist.
- Formatting issues cannot be solved by suppressing errors. The wrong formatted/missing reference data must be cleaned up. Refer to SAP Notes 2336018 and 2344034.

The next chapter discusses the functional preparation activities you need to complete as a part of the preparation phase.

CHAPTER 5

Preparation Phase (Preparations in SAP ECC System Before SUM) – Part 1

When converting to SAP S/4HANA, the preparation activities are the key to the success of the project. If the preparation activities are incomplete, SUM verifies this during its run and throws error messages. If the error is severe (such as return code 12), SUM stops running in the first phase. If the severity is low (such as return code 8 or 7), SUM stops or sends a message during its third or fourth phase.

It is highly risky to ignore a warning or error or to leave a task unattended during the preparation phase. Sometimes you may have to restore to the preparation phase, even after moving to SAP S/4HANA, before you execute the Conversion Cockpit.

Before you start preparation activities, it is important to understand the functionalities in use in the current system. These activities may be called discovery activities for the preparation. I provide an overview of discovery activities that help prepare the system.

Then you move on to reconciliations you need to perform before you start preparing the system, in order to understand data consistency and inconsistencies in the source system. This way, you can fix them before you start the preparation activities.

After that, the Simplification Item Check Report is executed to prepare the system with relevant simplification items. I provide some sample examples of doing these checks.

Lastly, the chapter discusses some important checks in FI-GL that need to be done before the conversion.

Discovery Activities Before Starting the Preparation Activities

Before starting preparation activities in the ECC system, all consultants working on the conversion project must verify the source system. This way, they know which functionalities are in use and which activities must be done during the conversion preparation and realization phases.

The following discovery activities help consultants plan for the project activities and provide a schedule to their customers:

- 1. As a part of discovery activity, consultants may take test scripts that are used in the implementation or ST03 DUMP for three to six months. This way, they can understand the functionalities that are in use. This is useful when performing testing based on this activity.
- 2. The Readiness Assessment document has to be analyzed. It's used as a base for preparing the system for SAP S/4HANA conversion.
- 3. Verify restrictions in Asset Accounting, banking, and leasing before the SAP S/4HANA system conversion. That way, you understand the restrictions of the project.
- 4. Determine whether COPA is in use. If it is, you need to identify what type it is—the costing-based COPA or the account-based COPA (or both). This exercise helps to place the preparation activities in your task list.
- Before you start the conversion project, you need to verify TFILA_ FA_002 table. If you have one at least one entry in the TFILA_ FA_002 table, then lease accounting is used. SAP S/4HANA does not support New AA and lease accounting together.
- 6. Check whether EA-FIN is active. You need to activate based on the source system.

- 7. Verify the default account assignment OKB9 and KS02. After the Conversion Cockpit, the account assignments at KS02 will be moved to OKB9 by the Cockpit activity.
- 8. Determine if Actual Costing is in use (xBEW-MLAST = '2'). If it is, you have to plan for Actual Costing preparation activities.
- Verify that subcomponent EA-HRCUN must be deleted from Rel.
 6.00 and 6.02.
- 10. In general, a digital license is required on the SAP ERP start release prior to starting the system conversion. From SAP ERP 6.0 EHP5 on, having a digital license is mandatory; however, systems on ERP 6.0 EHP0 to EHP4 can still run without a digital license, so you need to install a digital license upfront.
- 11. Only one fiscal year can be open in Asset Accounting during conversion, and the last year cannot be reopened after conversion. Refer to SAP Note 2304418.
- 12. Is Trade Finance relevant to your conversion? If trade finance is in use, add the relevant activities to your task list.
- 13. Always refer to Release Information Notes 2884313 and 2943206, and other notes that are related to conversion, before you start the project. You need to understand the restrictions and limitations of the project.
- 14. Verify the need a year-end closing reset. Once the system is migrated/converted, this becomes impossible.
- 15. Verify if ERP SD Revenue Recognition is used or if RAR has been in use. Based on the source system functionality, consultants need to add these activities to the task sheet.
- 16. Verify SAP Note 3006586, which is related to the Cost of Sales ledger.
- 17. Check for the existence of records in table KNVK, where LIFNR has non-initial values (KNVK-LIFNR <> ''). Refer to SAP Note 2943206.

- 18. See SAP Note 2993220 to understand the activities related to EC-PCA.
- 19. As a part of discovery activity, see SAP Note 2781585 to understand cash management memo record functionality.
- 20. Verify if the system uses new Cash Management and memo records. There is no data in table FDES and no memo records functionality in use.
- 21. Verify and plan for interfaces/integrations with other system/PO/ BW systems usage.
- 22. Verify usage of transactions WB21, WB22, and WB23.
- 23. Verify if the Material Ledger is in use. Refer to SAP Note 2345739.
- 24. Verify usage of Real Estate Classic (RE Classic).
- 25. BPC/Consolidation Usage has to be verified and planned for conversion, if it's in use.
- 26. Verify attachments to specific document types SW01. Table SRGBTBREL.
- 27. Verify usage of accruals. If there are No Entries found in tables ACEDSOI, ACEPSOI, ACEPSOIT, and ACEOBJ, it is not in use and no action is needed.
- 28. Verify if the system is using ledger approval with non-calendar fiscal year variant for parallel valuation; see SAP Note 2220152.
- 29. If the system is Classic GL, you must initialize field BSEG-BDIF for all open items.
- 30. Verify which planning capabilities are in use in the current system. Refer to SAP Note 2270407. This helps to prepare for planning capabilities after moving to SAP S/4HANA.
- 31. Verify the existing clients in the system. Refer to SAP Note 1749142.
- 32. Verify use of employee vendors in the current system. Refer to SAP Note 2340095.

- 33. Verify whether the period-end activities have been completed. If not, you have to complete them.
- 34. Verify if SD Revenue Recognition is in use. If so, you have to take up a preproject to migrate this functionality to RAR.
- 35. Make sure that you have carried forward all balances in all applications and ledgers to the current fiscal year using the following transactions:
 - FAGLGVTR for the new General Ledger
 - F.16 for the classic General Ledger
 - AJRW for Asset Accounting
 - F.07 for Accounts Receivable and Accounts Payable
- 36. Verify whether the following activities have been completed:
 - Carry out the depreciation run (report RAPOST2000 or transaction AFAB)
 - Run the periodic asset postings (report RAPERB2000)
 - Asset history sheet is executed

Fixing Financial Data Inconsistencies Before Conversion

S/4HANA Migration: Inconsistency Correction Monitor

It is essential to fix any database inconsistencies in the ECC system before you move to SAP S/4HANA. Report FIN_CORR_RECONCILE will identify database inconsistencies and report FIN_CORR_MONITOR will analyze and fix them.

As a part of preparation activity, you need to identify and rectify "financial data inconsistencies" in the current ECC system. One of the ways to identify these inconsistencies is by executing readiness checks in the current ECC system.

Showing financial data inconsistencies is one of the components of a Readiness Check. You can also display these inconsistencies by executing the FIN_CORR_RECONCILE program in SE38. This reconciliation check is the main source of the financial data quality analysis. It contains different consistency checks of the General Ledger.

You can use the FIN_CORR_RECONCILE program, as specified in SAP Note 2755360, to identify all the financial database inconsistencies that could occur during the SAP S/4HANA Finance Data Migration phase. For more information about this transaction, select the Program Documentation button on the initial screen of this transaction (see Figure 5-1).

Reconciliation prior to Conve	rsion to S/4HANA	1		
•				
User Input Parameters				
Company Code	to to		\$	
Fiscal Year	to		क	
Document Number	to		\$	
Processing Parameters				
Package Size 100				

Figure 5-1. Reconciliation prior to conversion to S/4HANA

It is very important to analyze and resolve the listed issues prior to the SAP S/4HANA conversion. You need to run this report in the background to avoid a longer runtime (see Figure 5-2).



Figure 5-2. Information message

When analyzing errors, you need to refer to the number of different error types, but not the total number of errors (see Figure 5-3).

Rec	oncilia	ation prior	to C	onv	ersion to	S/	4HA	NA: Di	splay Issue	5	
9	A 7 1	r 🖓 🖓	-5 🖪	17	16 🖽 📲	-					
Run	CoCode	DocumentNo	Year	Itm	DocumentNo	Ld	LnItm	G/L Acc	Message Class	Msg.No.	Msg.typ
50016		4900007719	2020	1				134000	FIN_FB_RECON	76	E
50016		4900007719	2020	2				520010	FIN_FB_RECON	76	E
50016		4900007720	2020	1				134000	FIN_FB_RECON	76	E
50016		4900007720	2020	2				520010	FIN_FB_RECON	76	E
50016		4900007720	2020	3				134000	FIN_FB_RECON	76	E

Figure 5-3. Display reconciliation issues

Refer to SAP Note 2714344 for more information about the identified error types. See Table 5-1.

 Table 5-1.
 Example of Financial Data Inconsistencies from Readiness Check Notes

Message Nr	Message Class	Number	Description	Category	Category Description
076	FIN_FB_ RECON	121	Inconsistent amount in second local currency for this line item (Ldg and 1)	В	Manual correction, correction instructions available - SAP Note 2714344
517	FIN_FB_ RECON	293	Fields mismatch between BSEG and NewGL line item table and 2 and 3	В	Manual correction, correction instructions available - SAP Note 2714344
220	FIN_FB_ RECON	66	Fields in BSIS and BSEG do not match	A	Standard automated correction available - SAP Note 2956096
372	FIN_FB_ RECON	15	Entry in BSIS with missing archiving flag (field xarch)	А	Standard automated correction available - SAP Note 2956096
074	FIN_FB_ RECON	111	Inconsistent amount for updating in G/L for this line item (Ldg and 1)	В	Manual correction, correction instructions available - SAP Note 2714344

It is essential to identify and rectify these database inconsistencies before you execute SUM tools during the conversion process. Choose Monitor to analyze database inconsistencies that were found in the last reconciliation run and to correct possible errors.

Before using FIN_CORR_MONITOR, you must make sure that a reconciliation run was performed. For this purpose, you can use the Reconciliation tab or the FIN_CORR_ RECONCILE program to find any inconsistencies or errors (see Figure 5-4).

SAP		
> 51 II	1	
Monitor Reconciliation		
1	7	
Company Code		to
Fiscal Year		to
Document Number		to
Package Size	100	
Fachage Ske	100	

Figure 5-4. Reconciliation run

Then you use the SE38 FIN_CORR_MONITOR program to analyze and correct the errors (see Figure 5-5).

SAP	
🚯 🛐 Display All Errors Correction Mode 📘	
Monitor Reconciliation	
Display selection	
Display error ODisplay log	
C AFHKF. Z. LL.	
List of errors from last run	
Message No Description	Total no. of
76 Inconsistent amount in 2nd local currency for this line item (Ldg)	261
517 Fields mismatch between BSEG and NewGL line item table	203
74 Inconsistent amount for Updating in G/L for this line item (Ldg)	1

Figure 5-5. Reconciliation Monitor

When you run this program, you can choose Display Error/Display Log (see Figure 5-6).

SAP
S 5
Monitor Reconciliation
Display selection
Display error Display log

Figure 5-6. Reconciliation Monitor selection criteria

You can display the issues using the following criteria (see Figure 5-7):

- Message Number
- Company Code
- Fiscal Year
- Document Number

SAP	
9 5 1	
Monitor Reconciliation	
Display selection	
Display error O Display log	
Filter condition	
Message Number	to 🔽 💎
Company Code	to to to to to to to to to to
Fiscal Year	to
Document Number	to

Figure 5-7. Reconciliation Monitor input screen

The Display Log option shows the correction logs for all corrections that were executed using this transaction (see Figures 5-8 and 5-9).

SAP			
(b) 🕄 🖬			
Monitor Reconciliation			
Display selection			
O Display error O Display log	۲ ل		
Filter condition			
Company Code		to	\$
User Name		to	\$
Time	00:00:00	to 23:59:59	
Current Date	14.11.2021	to 14.11.2021	

Figure 5-8. Display Log option

() 🖸 🖪							
Monitor Reconcilation	1						
Display selection							
Obisplay error Obis	play log						
		3 23 .					
Correction log		. 61					
Correction log		Start Date	Start Time	End Date	End Time	Corrected	
Correction log				End Date 11.11.2021	End Time 18:51:25	Corrected 5	
Correction log	CoCd	Start Date	18:51:25		and the second se		Excluded
Correction log External ID 00004 MAIN LOG	CoCd	Start Date 11.11.2021	18:51:25 18:50:35	11.11.2021	18:51:25	5	Excluded 0

Figure 5-9. Reconciliation Monitor: Display log

You can choose analysis and correction options by selecting Display All Errors and Correction Mode. In the correction mode, the correct option can be seen. The following sections discuss eight example errors.

Example 1: Error Message FIN_FB_RECON220: Fields in BSIS and BSEG Do Not Match

There are 66 items in a document (50001009997) with this error message. Figure 5-10 shows the screen from FIN_CORR_DISPLAY_ISSUE.

ACC	Reconcination prior to conversion to 5/4nANA: Display Issues													
3	3 A 7 7 7 6 0 2 7 L H H H H													
Run ID	DocumentNo	Year	Itm	Document	Ld	LnItm	Message Class	_ Msg.	Msg.typ	Fi	Old Val	Fi	Old Val	Fi
50004	5000004997	2020	1				FIN_FB_RECON	the state of the second s						
50004	5000004997	2020	2				FIN_FB_RECON	220	E					
50004	5000004997	2020	3				FIN_FB_RECON	220	E					
50004	5000004997	2020	4				FIN_FB_RECON	220	E		1			
50004	5000004997	2020	5				FIN_FB_RECON	220	E					
50004	5000004997	2020	6				FIN_FB_RECON	220	E					
50004	5000004997	2020	7				FIN_FB_RECON	220	E					
50004	5000004997	2020	8				FIN_FB_RECON	220	E					
50004	5000004997	2020	9				FIN_FB_RECON	220	E					
50004	5000004997	2020	10				FIN_FB_RECON	220	E					
50004	5000004997	2020	11				FIN_FB_RECON	220	E					

Reconciliation prior to Conversion to S/4HANA: Display Issues

Figure 5-10. FIN_CORR_DISPLAY_ISSUE screen

Figure 5-11 shows the screen from FIN_CORR_MONITOR.

SAP	
(Display All Errors Correction Mode	
Monitor Reconciliation	
Display selection	
O Display error	
C A 7 M K 7. Z. D B.	
List of errors from last run	
Message No Description	Total no. of
220 Fields in BSIS and BSEG do not match	66

Figure 5-11. FIN_CORR_MONITOR screen

In order to rectify this issue, follow these steps. **Step 1**: Execute the FIN_CORR_MONITOR program (see Figure 5-12).

ABAP Ed	litor: In	itial	Screer	,			
6ª 👎 🕀	🗘 🎰 🖪	1	r 🕅	Debugging	With Va	ariant	🔁 Variants
Program	FIN_COR	R_MO1	IITOR]0	<mark>[] c</mark>	reate	
Subobjects							
Source Co	de						
 Variants Attributes 							
ODocument							
O Text elem							
ଟିଙ Disp	lay 🖌	9	Change				

Figure 5-12. Display program screen

Step 2: Enter an error message that you are intending to correct and execute (see Figure 5-13).

SAP				
S 🖬				
Monitor Reconciliation	1			
isplay selection				
	lay log			
ilter condition				
Message Number	220	to	\$	
Company Code		to	S	
Fiscal Year		to	S	
Document Number		to		

Figure 5-13. Reconciliation Monitor: Display error input screen

The system shows how many documents or line items contain that error message (see Figure 5-14).

SAP	
🕒 🛐 Display All Errors Correction Mode 🚹	
Monitor Reconciliation	
Display selection	
Display error Display log	
C + + + + + + + + + + + + + + + + + + +	
List of errors from last run	
Message No Description	Total no. of
220 Fields in BSIS and BSEG do not match	66

Figure 5-14. Reconciliation Monitor: Errors displayed

You can navigate up to the document level by double-clicking the item (see Figure 5-15).

```
Reconciliation prior to Conversion to S/4HANA: Display Issues
Year Itm Document... Ld LnItm Message Class _ Msg.... Msg.typ Fi... Old Val... Fi...
                                                                                   Old Val. Fi.
Run ID DocumentNo
50004 5000004997
                 2020
                       1
                                           FIN_FB_RECON
                                                          220 E
50004 <u>5000004997</u> 2020
                       2
                                           FIN_FB_RECON
                                                          220 E
50004 5000004997 2020
                                           FIN_FB_RECON
                                                          220 E
                      3
50004 5000004997
                2020
                      4
                                           FIN_FB_RECON
                                                          220 E
50004 5000004997
                2020
                       5
                                           FIN_FB_RECON
                                                          220 E
                2020
                                           FIN_FB_RECON
                                                          220 E
50004 5000004997
                      6
50004 5000004997 2020
                      7
                                           FIN_FB_RECON
                                                          220 E
50004 5000004997
                                                          220 E
                2020
                       8
                                           FIN_FB_RECON
50004 5000004997
                2020
                       9
                                           FIN_FB_RECON
                                                          220 E
                                                          220 E
50004 5000004997
                2020
                      10
                                           FIN_FB_RECON
50004 5000004997
                2020
                      11
                                           FIN_FB_RECON
                                                          220 E
```

Figure 5-15. Drill down on the errors displayed

Step 3: In the initial screen, select the item and then click the Correction Mode button (see Figure 5-16).

🕀 🛐 Display All Errors Correction Mode	
Monitor Reconciliation	
Display colorison	
Display selection	
Display error Obisplay log	
3 A 7 H K 7. Z. B B .	
Fields in BSIS and BSEG do not match	
Message No Description	Total no. of
220 Fields in BSIS and BSEG do not match	66

Figure 5-16. Correction mode

You will then see the screen in Figure 5-17, where you need to click the Correct button.

SAP				
🕑 🛐 Display All Errors Correction Mode 🚹				
Monitor Reconciliation				
Display selection				
Display error Obisplay log				
3 8 7 6 8 7 . 2 . 2 . Correct				
Fields in BSIS and BSEG do not match				
Message No Description	Total no. of	Correctables	Corrected	Excluded
220 Fields in BSIS and BSEG do not match	66	66	0	0

Figure 5-17. Correct the entries

Step 4: Now the system will ask for confirmation as to whether BSEG/BSEG_ADD is considered the correct value (see Figure 5-18).

SAP				
🕒 🗿 Display All Errors Correct	ion Mode 🔳			
Monitor Reconciliation				
Display selection Oisplay error Oisplay I	og			
Fields in BSIS ar	rrection of errors FIN_FB_REON 220 to 229 For the correction of these errors data in	×		_
Message No Descripti 220 Fields in	BSEG/BSEG_ADD is considered as the correct	Correctables 66	Corrected 0	Excluded 0
	value, do you want to continue?See Note 2956096			

Figure 5-18. Confirmation message

If you click Yes, the system will correct the errors that are displayed. The system will ask to execute in simulation and update modes.

Step 5: Display the log. The system will display the logs for all the corrections made (see Figure 5-19).

5	AP								
Ð	0 11								
2	Monitor Reconcilation	1							
D	splay selection								
X	Obisplay error Obisp	olay log							
	3 A 7 M K 7	. 2. 24.							
	Correction log	. 2. 24.							
-		Company Code	User Name	Start Date	Start Time	End Date	End Time	Corrected	Excluded
B	Correction log		User Name	Start Date 11.11.2021		End Date 11.11.2021		Corrected 66	Excluded

Figure 5-19. Display log

In Figure 5-19, there are two logs—one for simulation and one for update mode (see Figure 5-20 to 5-23).

ABAP Editor: Initial Screen	
🖆 🌴 🕀 🔄 🖪 🛛 🖬 🚯 🕒 Debugging	🕀 With Variant 🛛 🔁 Variants
Program FIN_CORR_RECONCILE	Create
Subobjects	
 Source Code Variants 	

Figure 5-20. Reconcilliation

Figure 5-21. Reconcilliation



Figure 5-22. Warning about reconcillation process

Reconciliation p	prior to Co	nversion to S/	4HANA			
⊕ Ⅱ						
User Input Parameters						
Company Code			to		5	
Fiscal Year			to		S	
Document Number			to		\$	
Processing Parameters						
Package Size	100	🔄 Background Print	: Parameters			×
		Output Device	lp01			1
		Number of copies	1			
		Number of pages				
		Print all				1
🔄 Informatio		OBrint from oper			То 0	
				<u>~</u>		1,
Tormat Format	tting set to 'X_6	5_80'				
					Prop	erties X 🚺
				V		

Figure 5-23. Reconciliation prior to S/4HANA

Example 2: Error Message FIN_FB_RECON372: Entry in BSIS with Missing Archiving Flag (Field xarch)

There are five items in a document (910000001) with this error message. Figures 5-24 and 5-25 show the screen from FIN_CORR_DISPLAY_ISSUE.

	84.		-5 🞝	T	₿ ⊞ -	-	i											
Run	CoCode	DocumentNo	Year	Itm	DocumentNo	Ld	LnItm	G/L Acc	Message Class	Msg.No.	Msg.typ	Mess	ige te	ext				
50006		910000001	2011	1				610601	FIN_FB_RECON	372	E	Entry	in BS	IS w	th missing a	rchiving fla	g (field	xarch
50006		9100000001	2011	2				217203	FIN_FB_RECON	372	E	Entry	in BS	IS w	th missing a	rchiving fla	g (field	xarch
50006		9100000001	2011	6				217205	FIN_FB_RECON	372	E	Entry	in BS	IS w	th missing a	rchiving fla	g (field	xarch
50006		9100000001	2011	7				630041	FIN FB RECON	372	E	Entry	in BS	IS w	th missing a	rchiving fla	g (field	xarch
50006		9100000001	2011	8				630044	FIN FB RECON	372	E				th missing a		-	
व्या बीड																		
 Table to b 	e searched	BSIS		Ac	counting: Seconda	iry Inde	ex for G/I	L Accounts										
Table to b		BSIS 5		Ac	counting: Seconda	iry Inde	ex for G/I	L Accounts										
Table to b Number of					counting: Seconda ximum no. of hits		ex for G/I	L Accounts										
able to b umber of untime	f hits	5		Ма	ximum no. of hits]										
able to b umber of untime	f hits	5		Ma D C	ximum no. of hits	n Pos	500	Detais		nce Type F		D/C Bu	sA	Tx F8		Amount		
Table to b Number of Luntime	f hits de G/L Acc 217203	5 0 1 (13) (13) (13)		Ma Year 2011	ximum no. of hits	Post 2 16.1	500	Detais Doc. Date 16.02.20	11 USD RE NO	. 2 SA	2 50	H	sA	Tx FB	37.500,00	37.500,00	0,00	Tax 0,00
Table to b Aumber of Auntime	f hits de G/L Acc 217203 217205	5 0 1 (13) (13) (13)		Ma Year 2011 2011	ximum no. of hits	Post 2 16.1 6 16.1	500 ing Date 02.2011 02.2011	Details Doc. Date 16.02.20 16.02.20	11 USD RE NO	.2 SA .2 SA	2 50 2 50	H H		Tx FB	37.500,00 135.860,00	37.500,00 135.860,00	0,00 0,00	0,00 0,00
Table to b Aumber of Auntime	f hits	5 0 1 (13) (13) (13)		Ma Year 2011 2011 2011	ximum no. of hts DocumentNo Itr 9100000001 9100000001 9100000001	Pos 2 16.1 6 16.1	500	Detais Doc. Date 16.02.20	11 USD RE NO 11 USD RE NO 11 USD RE NO 11 USD RE NO	. 2 SA	2 50 2 50 2 40	H	00	Tx FB	37.500,00	37.500,00	0,00	0,00

Figure 5-24. FIN_CORR_DISPLAY_ISSUE

Display Document: Initial Screen							
Document List I ← First Item							
	C Performance Assistant						
Keys for Entry View							
Document Number 9100000001							
Company Code	Document 910000001 does not exist in						
Fiscal Year 2011	fiscal year 2011						
	Message no. F5A397						
	System Response						
	The required document either does not exist in the fiscal year or is still being posted.						
	When the document is read, archived documents are also considered.						

Figure 5-25. FIN_CORR_DISPLAY_ISSUE

To rectify this error, execute the following steps. **Step 1**: Execute the FIN_CORR_MONITOR program (see Figure 5-26).

ABAP Editor: Initial Screen	
🖆 ෦ 🚯 🚓 🎰 🚺 📋 🕼 🔅 Debugging	🚯 With Variant 🔹 Variants
Program FIN_CORR_MONITOR	Create
Subobjects	
● Source Code	
○ Variants	
OAttributes	
ODocumentation	
○ Text elements	
र्द ेश Display 🖉 Change	

Figure 5-26. FIN_CORR_MONITOR

Step 2: Enter an error message that you are intending to correct and execute (see Figure 5-27).

SAP			
> 5] II			
Monitor Reconciliation	1		
Display selection			
Display error O Disp	olay log		
Filter condition			
Filter condition Message Number	372	to 📄	
	372	to 🔷	
Message Number	372		

Figure 5-27. Display error: Reconciliation Monitor

The system shows how many documents or line items have that error message (see Figure 5-28).

SAP	
😔 🛐 Display All Errors Correction Mode 🚹	
Monitor Reconciliation	
Display selection	
O Display error	
List of errors from last run	
Message No Description	Total no. of
372 Entry in BSIS with missing archiving flag (field xarch)	5

Figure 5-28. Display error

You can navigate up to the document level by double-clicking the item (see Figure 5-29).

SAP						
🕀 🛐 Display All Errors	Correction	Mode 📘				
Monitor Reconcilia	tion					
Display selection						
Display error	O Display log					
3 4 7 8	8 7. 2					
Entry in BSIS	with miss	sing archiving	flag (fie	eld xarc	h)	
Status CoCode	Fiscal Year	Document Number	Line item	Ledger	G/L Account	
040	2011	910000001	1		610601	
000	2011	910000001	2		217203	
Corretable	2011	910000001	6		217205	
000	2011	910000001	7		630041	
040	2011	9100000001	8		630044	

Figure 5-29. Drill down on the errors

Step 3: In the initial screen, select the item and click the Correction Mode button (see Figure 5-30).

SAP	
🕒 🛐 Display All Errors Correction Mode	
Monitor Reconciliation	
Display selection	
Oisplay error Oisplay log	
<pre> A 7 M K 7. 2. 2 B. </pre>	
Entry in BSIS with missing archiving flag (field xarch))
Message No Description	Total no. of
372 Entry in BSIS with missing archiving flag (field xarch)	5

Figure 5-30. Correction mode

You will then see the screen in Figure 5-31, where you need to click the Correct button.

SAP					
🕒 🛐 Display Al	Errors Correction Mode 🚺				
Monitor Re	concilation				
Display selection	C Display log]
3 2 7					
Entry in B	SIS with missing archiving flag (field xar	ch)			
Message No	Description	Total no. of	Correctables	Corrected	Excluded
372	Entry in BSIS with missing archiving flag (field xarch)	5	5	0	0

Figure 5-31. Correct the errors

Step 4: The system will ask for confirmation as to whether BSEG/BSEG_ADD is considered the correct value (see Figure 5-32).

SAP			
Display All Errors Correction Mode II			
Monitor Reconciliation			
Display selection Display error Display log 			
Correction of errors FIN_FB_REON 220 to 229			
Entry in BSIS wi Message No Description 372 Entry in BSIC /BSEG_ADD is considered as the correct value, do you want to continue?See Note 2956096	Correctables 5	Corrected 0	Excluded 0
Yes No			

Figure 5-32. Confirmation message

If you click Yes, the system will correct the errors. The system will ask to execute in simulation and update modes (see Figure 5-33).



Figure 5-33. Simulate/update run

Step 5: Display the log. The system will display logs for all the corrections it made (see Figure 5-34).

SAP							
(b) 🕤 🖬							
Monitor Reconciliation							
Display selection							
Obisplay error Obisplay log]						
() () () () () () () () () () () () () (
Correction log							
External ID Co	Cd User Name	Start Date	Start Time	End Date	End Time	Corrected	Excluded
00004 MAIN LOG	K # #	11.11.2021	18:51:25	11.11.2021	18:51:25	5	0
00003 MAIN LOG		11.11.2021	18:50:35	11.11.2021	18:50:35	5	0

Figure 5-34. Display log

Figure 5-34 shows two logs—one for the simulation and one for update mode.

Example 3: Error Message FIN_FB_RECON74: Inconsistent Amount for Updating in G/L for this Line Item (Ldg OL)

Figures 5-35 to 5-37 show the screens from FIN_CORR_DISPLAY_ISSUE.

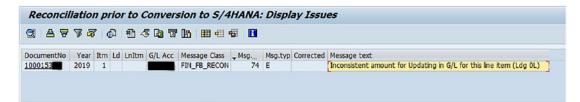


Figure 5-35. FIN_CORR_DISPLAY_ISSUE

	_	🕒 🏭 Displa		e nt: Data l ncy 🖲 Gene	-							
Data E	Entry '	View								1		
Docur	nent	Number		Compar	ny Cod	e		Fiscal Ye	ar 2019			
Docur	nent	Date	Posting Date 30.11.2019 Period 11									
Refere	ence			Cross-C	C no.							
Currer	ncy	1]	Texts e	xist			Ledger (Group			
	A		3	· % · E	3							
Itm	PK S	G/L Account	Order	Amount	Curr.	Σ	Amount in LC	LCurr	LC2 amount	LCur2	Tx	Te
1	27	11000		466.798,31	RMB		466.798,31	RMB	66.192,00	USD		
2	37	11000		466.798,31-	RMB		466.798,31-	RMB	66.192,00-	USD		
3	50	00400		0,00	RMB		0,00	RMB	187,25-	USD		
4	40	00400		0,00	RMB		0,00	RMB	0,06	USD		
5	40	00400		0,00	RMB		0,00	RMB	187,19	USD		
		1997 P.					0,00	RMB				

Figure 5-36. FIN_CORR_DISPLAY_ISSUE

G	्य वि									
Tab	le to be	searc	hed	FAGLE	LEXA	General Ledge	er: Actual Line	Items		
Nun	nber of	hits		24						
Run	time			0		Maximum no. of hits 500				
		8	768	8.12	. % . 0	6. 3.	·		Details	
B	Year	Ld 🖵	LnItm	Σ TC Amou	Σ LC Amount		OthCrcyAmt		OTC Amount	D/C
B	Year 2019	and the second se	LnItm 000001	Σ TC Amou 0,00	Σ LC Amount 1.320,08-					D/C H
B		0L	and the second se		1.320,08-	Σ Amnt in 187,19-	OthCrcyAmt	Quantity	OTC Amount	
•	2019	0L	000001	0,00	1.320,08- 468.118,39	Σ Amnt in 187,19- 66.379,19	OthCrcyAmt 0,00	Quantity 0,000	OTC Amount 1.320,08-	H
	2019 2019	OL OL	000001 000002	0,00 66.191,94	1.320,08- 468.118,39	Σ Amnt in 187,19- 66.379,19	OthCrcyAmt 0,00 0,00	Quantity 0,000 0,000	OTC Amount 1.320,08- 468.118,39	H S
	2019 2019 2019	OL OL OL	000001 000002 000003	0,00 66.191,94 66.192,00-	1.320,08- 468.118,39 466.798,31-	Σ Amnt in 187,19- 66.379,19 66.192,00-	OthCrcyAmt 0,00 0,00 0,00	Quantity 0,000 0,000 0,000	OTC Amount 1.320,08- 468.118,39 466.798,31-	H S H
	2019 2019 2019 2019	0L 0L 0L 0L 0L	000001 000002 000003 000004	0,00 66.191,94 66.192,00- 0,00	1.320,08- 468.118,39 466.798,31- 0,00	Σ Amnt in 187,19- 66.379,19 66.192,00- 187,25-	OthCrcyAmt 0,00 0,00 0,00 0,00	Quantity 0,000 0,000 0,000 0,000	OTC Amount 1.320,08- 468.118,39 466.798,31- 0,00	H S H H

Figure 5-37. Error analysis

Verify SAP Note 2714344.

Execute the TFC_COMPARE_VZ program to compare BSEG and FAGLFLEXA. Figures 5-38 and 5-39 show the screens of the report output.

Comparison: Documents	; / Transaction	Figures	
₽₽			
Gen. Data Selection			
Fiscal Year	2019		
Company Code		to	\$
Posting period		to	\$
Ledger		to	\$
Data for Parallel Processing			
Server Group		~	
Number of Parallel Steps	8		
Package Size	10.000		
Options			
Make Comparison			
O Display Log			
Comparison of Transactions Figures	with Documents of:		
• G/L View			
O Entry View			
Options			
SingleDoc.Comparison			

Figure 5-38. Comparison of Document Transaction Figures screen

С	ompa	rison	of Do	cum	ent Trai	isa	ction Fig	ures					
3	AF	717691	B R.	$\mathbf{\Sigma}$		3	8. B .		R 🖪 🖌	≩G/L A	ccts/Subledge	A	ccts
			er Led							-			
d	Year	Peri	Account	D/C	TC Amou	Cr	LC Amount	Crcy 1	Amnt in	Crcy 2	OthCrcyAmt	С	Messages
х	2019	7											No differences occurred
Х	2019	8											No differences occurred
x	2019	9											No differences occurred
х	2019	10											No differences occurred
x	2019	11											No differences occurred
х	2019	12											No differences occurred
x	2019	13											No differences occurred
x	2019	14											No differences occurred
x	2019	15											No differences occurred
x	2019	16											No differences occurred
501													
3	8		段 7 1	2	1 98 1 6					a Succe	ss/Error Messa	ges	5
1e	ssage	es											
urre	ent Da	Time	Docu	ment	Fiscal Yea	r D	escription						
	1.2021	-	41 1000	1538	2 2019	9 Le	edger OL Diffe	erence B	etween G/L	View an	nd Entry View		
4.1	1.2021	14:42:	41 1000	1538	2 2019	9 Le	edger IF Diffe	rence B	etween G/L	View an	d Entry View		
4.1	1.2021	14:42:	41 1000	1538	2 2019	9 Le	edger LL Diffe	rence B	etween G/L	View an	d Entry View		
4.1	1.2021	14:42:	41 1000	1538	2 2019	9 Le	dger TX Diff	erence I	Between G/I	View a	nd Entry View		

Figure 5-39. Comparison of Document Transaction Figures screen

Solution:

- 1. The inconsistencies can also be found/analyzed in the source system by using the TFC_COMPARE_VZ program.
- 2. If there is an inconsistency in the source (e.g., shown in phase R21 by error FINS_RECON074), check SAP Note 2425426, which explains an option to find/localize certain inconsistencies (found in a SAP S/4HANA test-system conversion) automatically in the source ERP system.
- 3. Make sure SAP Note 2640057 and SAP Note 73141 are implemented before re-running phase MUJ.
- 4. Otherwise, contact SAP (component FIN-MIG-GL).

Example 4: Error Message FIN_FB_RECON76: Inconsistent Amount in the Second Local Currency For This Line Item (Ldg 0L)

Figures 5-40 and 5-41 show the screen from FIN_CORR_DISPLAY_ISSUE.

Run_	CoCode	Documenthio	Year	Itm	DocumentNo	Ld	LnItm	G/L ACC	Message Class	Msg.No.	Msp.typ	Message text
50030	1	4900007728	2020	1				134000	FIN_FB_RECON	76	E	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007728	2020	2				520010	F2N_F8_RECON	76	£	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030		4900007728	2020	3				134000	FIN_FB_RECON	76	E	inconsistent amount in 2nd local currency for this line item (Ldg OL)
50030	1	4900007728	2020	- 4				520010	FIN_FE_RECON	76	E	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007728	2020	5				134000	FIN_FB_RECON	76	E	Inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007728	2020	6				520010	FIN_FB_RECON	76	ε	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	1	4900007728	2020	7				134000	FIN_FE_RECON	76	£	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007728	2020	8				520010	FIN_FE_RECON	76	6	inconsistent amount in 2nd local currency for this line item (Ldg OL)
50030	1	1900007729	2020	1				134000	FIN_FB_RECON	76	ε	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007729	2020	2				\$20010	FIN_FB_RECON	76	E	Inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	:	4900007729	2020	3				134000	FIN_FB_RECON	76	£	inconsistent amount in 2nd local currency for this line item (Ldg 0L)
50030	1	4900007729	2020	4				520010	FIN_FE_RECON	76	£	inconsistent amount in 2nd local currency for this line item (Ldg 0L)

Figure 5-40. FIN_CORR_DISPLAY_ISSUE

0.4:																					
Table to be searched			8520				Accounting Document Segment														
umber o	d hts	1	61																		
untime		6	0		м	nimum	no, of hts	50	0	1											
2		81.																			
CoCo	ode DocumentNo	Year	2m	up	PK	AccT		Amount LC	Access of the second	and the second se	G/L amount	Curr.	Amount	Amount	TxCd	Amount	Amount	TxCd	Amount	Amount	Original tax base amoun
CoCo	ode DocumentNo		-	-	-	and a state		_	Access of the second		G/L amount	Curr. EUR	Amount 0,00	Amount 0,00	TxCd	Amount 0,00	Amount 0,00	TXCd	Amount 0,00	Amount 0,00	
	ode DocumentNo	Year	Rm 1	LID	PK	AccTy	D/C	Amount LC	Amount	Org.rdctn	G/L amount				TxCd			THE			0,00
	de DocumentNo 4900007728	Year 2020	Em 1 2	LID M	PK 89	AccT) H	D/C /	Amount LC 579,18	Amount 579,18	Org.rdctn 0,00	G/L amount 579,18	EUR	0,00	0,00	TxCd	0,00	0,00	THE	0,00	0,00	0,00
	de Documenthio 4900007728 4900007728	Year 2020 2020	Em 1 2 3	LID M S	PK 89 91	AccTy H S	D/C / S H	4mount LC 579,18 579,18	Amount 579,18 579,18	Org.rdctn 0,00 0,00	G/L amount 579,18 579,18	EUR EUR	0,00 0,00	0,00	TxCd	0,00 0,00	0,00 0,00	THES	0,00	0,00 0,00	0,00 0,00 0,00
	ode DocumentNo 4900007728 4900007728 4900007728	Year 2020 2020 2020	Em 1 2 3 4	LID M S M	PK 89 91 89	AccTy N S N	D/C / S H S	4mount LC 579,18 579,18 579,18	Amount 579,18 579,18 579,18	Org.rdctn 0,00 0,00 0,00	G/L amount 579,18 579,18 579,18 579,18	EUR EUR EUR	0,00 0,00 0,00	0,00 0,00 0,00	TxCd	0,00 0,00 0,00	0,00 0,00 0,00	THE	0,00 0,00 0,00	0,00 0,00 0,00	Original tax base amount 0,00 0,00 0,00 0,00 0,00
	ode DocumentNo 4900007728 4900007728 4900007728 4900007728	Year 2020 2020 2020 2020 2020	Em 1 2 3 4	LID M S M S M	PK 89 91 89 91	AccTy M S M S	D/C / S H S H	4mount LC 579,18 579,18 579,18 579,18 579,18	Amount 579,18 579,18 579,18 579,18 579,18	Org.rdctn 0,00 0,00 0,00 0,00	G/L amount 579,18 579,18 579,18 579,18 579,18	EUR EUR EUR EUR	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	TxCd	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	THE	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00

Figure 5-41. FIN_CORR_DISPLAY_ISSUE

Local currency2 is not updated in the table.

Verify SAP Note 3019446 FIN_CORR_RECONCILE: FIN_FB_RECON 76, 77 does not consider the currency customizing correctly.

Example 5: Error Message FIN_FB_RECON517: Fields Mismatch Between BSEG and NewGL Line Item Table

Figures 5-42 to 5-44 show the screens from FIN_CORR_DISPLAY_ISSUE.

a .	A 4 1	7 O D	-\$ Q	77	B H •	-						
un.	CoCode	Documenthio	Year	2m	DocumentNo	Ld	Lnitm	G/L ACC	Message Cass	Nig.No.	Mag.typ	Message text
50030		4900000	2020	1	490000	OL.	000001	134000	FIN_FB_RECON	517	E	Fields msmatch between 85EG and NewGL ine tem table 20200909/0000134000 20200903/000013400
0030	B 🗌	4900005	2020	1	490000	¥	000001	134000	FIN_FB_RECON	517	E	Fields mematch between BSEG and NewGL line tem table 20200909/0000134000 20200903/000013400
50030		4900003	2020	1	490000	LL	000001	134000	FIN_FB_RECON	517	E	Fields mismatch between 85EG and NewGL line tem table 20200909/0000134000 20200903/000013400
60030		4900003	2020	2	490000	OL	000002	520010	FIN FB_RECON	517	E	Fields mematch between 85EG and NewGL ine tem table 20200909/0000520010 20200903/000052001
0030	B 🗆	4900003	2020	2	490000	3	000002	520010	FIL FR RECON	517	E	Fields mematch between #SEG and NewGL line tem table 20200909/0000520010 20200903/000052001
50030		5000002	2020	1				134000	FIN_FB_RECON	76	ε	Inconsistent amount in 2nd local currency for this line item (Lóg GL)
50030	B 🗆	500000	2020	1	500000	¥	000001	134000	FIN_FB_RECON	517	E	Fields mematch between 85EG and NewGL line tem table 20200901/0000134000 20200922/000013400
50030	1	500000	2020	1	500000	LL	000001	134000	FIL FB_RECON	517	E	Fields mematch between 85EG and NewGL line item table 20200901/0000134000 20200922/000013400
50030	1.	500000	2020	1	500000	TX	000001	134000	F2N F8 RECON	517	1	Fields mamatch between BSEG and NewGL ine tem table 20200901/0000134000 20200922/000013400

Figure 5-42. FIN_CORR_DISPLAY_ISSUE

Q	43																	
Tab	e to b	e searched		FAGLEI	LEXA	G	eneral Le	dger: A	Actual Line Item	8								
lun	ber of	hts		8														
Run	time			0		M	aximum n	o. of h	its 500									
2			19 2		Loltm		1		Posting Date	DecumentNo	Tr.	TTV	CICV	Unit	Ref. Tran.	8	Ver	LooSyste
							1				T .	**	Crav	11.0	Out Test	0	Mag	Las Curt
9	Year 2020	A 7 (a) DocumentNo 4900(CoCode		Period	Crcy	Year	Posting Date 03.09.2020	DocumentNo 490000	Tr. RMWI	тту		and the second second	Ref. Tran. MKPF	R 0	Ver 1	LogSyste
B	Year	DocumentNo	Ld		LnItm	Period 9	Crcy EUR	Year 2020	Posting Date	DocumentNo		тту	EUR	KG			Ver 1	LogSyste
B	Year 2020	DocumentNo 4900(4900)	Ld OL		LnItm 000001	Period 9 9	Crcy EUR EUR	Year 2020 2020	Posting Date 03.09.2020	DocumentNo 490000	RMWI	тту	EUR EUR	KG KG	MKPF	0	1	LogSyste
B	Year 2020 2020	DocumentNo 49001 49001 49001	Ld OL OL		LnItm 000001 000002	Period 9 9 9	Crcy EUR EUR EUR	Year 2020 2020 2020	Posting Date 03.09.2020 03.09.2020	DocumentNo 490000 490000	RMWI RMWI	тту	EUR EUR EUR	KG KG KG	MKPF MKPF	0	1	LogSyste
B	Year 2020 2020 2020 2020	DocumentNo 49001 49001 49001 49001	Ld OL OL JF		LnItm 000001 000002 000001	Period 9 9 9 9	Crcy EUR EUR EUR EUR	Year 2020 2020 2020 2020 2020	Posting Date 03.09.2020 03.09.2020 03.09.2020	DocumentNo 49000C 49000C 49000C	RMWI RMWI RMWI	тту	EUR EUR EUR EUR	KG KG KG	MKPF MKPF MKPF	0 0 0	1 1 1	LogSyste
B	Year 2020 2020 2020 2020 2020	DocumentNo 49001 49001 49001 49001 49001	Ld OL OL IF IF		LnItm 000001 000002 000001 000002	Period 9 9 9 9 9 9	Crcy EUR EUR EUR EUR EUR	Year 2020 2020 2020 2020 2020 2020	Posting Date 03.09.2020 03.09.2020 03.09.2020 03.09.2020	DocumentNo 49000C 49000C 49000C 49000C	RMWI RMWI RMWI RMWI	тту	EUR EUR EUR EUR	KG KG KG KG	MKPF MKPF MKPF MKPF	0 0 0 0	1 1 1 1	LogSyste
•	Year 2020 2020 2020 2020 2020 2020	DocumentNo 4900 4900 4900 4900 4900 4900 4900	Ld OL OL IF IF LL		LnItm 000001 000002 000001 000002 000001	Period 9 9 9 9 9 9 9 9	Crcy EUR EUR EUR EUR EUR EUR	Year 2020 2020 2020 2020 2020 2020 2020	Posting Date 03.09.2020 03.09.2020 03.09.2020 03.09.2020 03.09.2020	DocumentNo 49000C 49000C 49000C 49000C 49000C	RMWI RMWI RMWI RMWI RMWI	тту	EUR EUR EUR EUR EUR	KG KG KG KG KG	MKPF MKPF MKPF MKPF MKPF	0 0 0 0	1 1 1 1	LogSyste

Figure 5-43. FIN_CORR_DISPLAY_ISSUE

0 🕸												
Table to b	be searched	BKPT		Accounting Doc	ument H	leader						
Number o	fhits	1										
Runtime		0		Maximum no. of	hts	500	- T					
						-						
				• 🕼 . 		b 🖪 🎎	etals					
CoCo	de DocumentNo	Year Typ	e Doc. Date	Posting Date	Period	Entered on	Entered at	Changed	Last updte	Translatn Date	User Name	TCode
m ever						09.09.2020	17:57:45			09.09.2020		MI10

Figure 5-44. Analysis of the error

Verify SAP Note 2714344.

Example 6: Error FIN_FB_RECON 376: Entry on BSIK with Missing Archiving Flag (Field xarch)

Figure 5-45 shows the errors identified by the program, which can be corrected as per SAP Note 2956096.

Version 2 from 19.01.2021 i	2956096 - FIN_CORR_MONITOR: Information on correctable errors Version 2 from 19.01.2021 in English Description Software Components References ~ Attributes Languages									
FIN_FB_RECON 372, 373, 374, 375, 376, 377, 378, 379	Missing archival flag in index table entry	The field XARCH should be populated with X' in the secondary index tables when the documents are archived. Due to some issue the field is populated with space.	If the document is not present in the header table (BKPF), BSEG/BSEG_ADD and new GL item table (FAGLFLEXA), it is considered to be archived	The flag XARCH is updated to 'X' for the entry in the corresponding index table.						

Figure 5-45. SAP Note 2956096

In order to correct these errors, you have to click Correction Mode for the FIN_CORR_ MONITOR program (see Figures 5-46 and 5-47).

✓	✓ 1 × C %	1- C 🗑 🖉) 👌 🔆 Debugging	() With Variant	D Variants Ca	ncel More 🗸
Program FIN_CORR_M	ONTITOR	হ Create				
Subobjects						
Source Code						
O Variants						
 Attributes 						
 Documentation 						
 Text elements 						
6à Display	Change					
< SAP		S	4 HANA Migration : In	consistency Corr	ection Monitor	
✓	V C C I C	ancel More \vee				
Display selection						
Display Error	 Display 	/ Log				
Filter condition						
Message number		to				
Company Code		to	đ			
Fiscal Year		to	đ			
Document Number		to	đ			

Figure 5-46. FIN_CORR_MONITOR program

Select the error message and click the Correction Mode button, as highlighted in Figure 5-47.

✓	
isplay selection	
Display Error Display Log	
Q ≡ Q ∑ ∞ Message number Description	Total
✓ 376 Entry in BSIK with missing archiving flag (field xarch)	1.418
374 Entry in BSID with missing archiving flag (field xarch)	1.079
374 Entry in balo with hissing archiving hag (heid varch)	

Figure 5-47. The Correction Mode button

If the message shown in Figure 5-48 is displayed, you have to make corrections to FIN_CORR_MONITOR as per the following notes.

- 2755360 Reconciliation prior to S/4HANA conversion
- 2793849 Analysis and correction of G/L inconsistencies in ECC prior to S/4HANA conversion- Application Coding
- 2836444 Analysis and correction of G/L inconsistencies in ECC prior to S/4HANA conversion- User Interface

Display selection	
Display Error Display Log	
List of correctable errors from last run	
$ \textcircled{a} \equiv \bigcirc \swarrow \bigtriangledown \bigtriangledown \bigtriangledown \checkmark \checkmark \checkmark \checkmark \bigcirc \textcircled{b} \checkmark \circlearrowright \textcircled{correct} $	
Message number Description	Total
Error correction enabled. Only correctable error messages are displayed.	

Figure 5-48. Display Error log screen

As part of these SAP Notes, you have to execute and make changes or corrections to FIN CORR MONITOR:

- Program Note 2755360 to be executed as per SAP Note 2755360
- Program Note 2793849 to be executed as per SAP Note 2793849
- Program Note 2836444_NEW to be executed as per SAP Note 2836444

Example 7: Error FIN_FB_RECON 374: Entry on BSID with Missing Archiving Flag (Field xarch)

Figure 5-49 shows the errors identified by the program, which can be corrected as per SAP Note 2956096.

Version 2 from 19.01.2021 in E	2956096 - FIN_CORR_MONITOR: Information on correctable errors visual states in the state of the									
FIN_FB_RECON 372, M	vissing archival flag in ndex table entry	The field XARCH should be populated with 'X' in the secondary index tables when the documents are archived. Due to some issue the field is populated with space.	If the document is not present in the header table (BK/P), BSEG/BSEG_ADD and new GL item table (FAGLFLEXA), it is considered to be archived	The flag XARCH is updated to 'X' for the entry in the corresponding index table.						

Figure 5-49. SAP Note 2956096

Example 8: Error FIN_FB_RECON 398: Second Local Currency in BKPF Inconsistent

Figure 5-50 shows the errors identified by the program, which cannot be corrected as per SAP Note 2714344.

2714344 - F Recommend		ta migration	to SAP S/4HANA: Most frequent Error Mes	sages – Information and	✓ Show Changes	健☆⊠₽				
	ersion 9 from 17.10.2020 in English <mark>escription</mark> Product References ~ Attributes Languages Rate This Document									
R20: Analyze Transactional Data	FI-GL	FINS_RECON 396	Error text. SECOND LOCAL CURRENCY &2 IN BKPF INCONSISTENT (SHOULD BE &3) Functional check: Check BKPF-HWAE2 against the SAP S/4H4NA currency settings for the 2nd the company code (transaction FINSC_LEDGER.	 Inconsistent BKPF entries in the source system, mainly due to program errors, wrong handling of currency changes (e.g. adding second local currency in trans. OB22) etc. 	situation. It need to be checked with business whether	1. Contact SAP (cc MIG-GL)				

Figure 5-50. SAP Note 2714344

Preparation Phase SI Checks Execution (Functional)

Run the /SDF/RC_START_CHECK program (see Figures 5-51 and 5-52).

og Help							
Options							
ersion	73554	9001033000	08514 SAP S/	HANA 2020 [0	2 (05/2021) FP]	•	
in Online mo	de						
sistency chec	k as backgroun	d job					
sult							
ion 147 of SA	P Note 239970	7 is not up to	o date.				
ion 90 of SAP	Note 2502552	is not up to	date.				
g Source							
7.11.2021 07:	:12:21 UTC]						
calog with late	est version from	SAP					
nplification Ite	em Catalog fron	n file					
		talog					
nplific			ation Item Catalog from file		ation Item Catalog from file		

Figure 5-51. SI Checks execution

5	AP							
		9 14914		E. B. E Oscherk Cons	stency for AI O Check Consistency Details	Chark Lon Apple/Revoke Evern	ton Climby Exemption Log	
	Simplif	ication	Item L	ist - SAP S/4HANA 202	0 [02 (05/2021) FP]			
3	Relevance	Last Con	Exempti	ID	Title	Lob/Technology	Business Area	Catetory
	Δ	•	0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Management	Change of exis
	۵	•	0	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording	Non-strategic-f
	4	۲	0	SI1: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory	Change of exis
	4		۵	SIL FIN GL	S4TWL - GENERAL LEDGER	Finance	Accounting and Financial Close	Change of exis
	4	۲	0	SI2: FIN AA	S4TWL - ASSET ACCOUNTING	Finance	Accounting and Financial Close	Change of exis
	۵		0	SI2: Logistics PP-MRP	S4TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality un
	۵	4	0	SI4: HR EREC	S4TWL - SAP E-Recruiting	Human Resources	Core HR and Time Recording	Non-strategic-f
	4		0	SI22: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion a_	IT Management	Administration and Usability	Change of exis
	4	•	0	SIZ: SD PRIC	S4TWL - Data Model Changes in SD Pricing	Sales	Order and Contract Management	Change of exis
	4		0	SI33: Logistics General	S4TWL - Retail Information System	Solutions for Specific Industries	Retail	Functionality un
	4		0	SI3: Logistics MM-IM	S4TWL - Material Ledger Obligatory for Material Valuation	Supply Chain	Inventory	Change of exis
	4		0	SIS: MasterData PM	S4TWL - Simplification of copy/reference handling	Database and Data Management	Enterprise Information Management	Change of exis
2		-	-					

Figure 5-52. SAP Simplification Item Check

Error Messages Module – Finance

SI2: FIN_MISC_ML

Corrective actions: SAP has completed the required changes, as shown in Figure 5-53.

SAP repaired the inconsistencies between tables : ACDOCA vs. CKMLPP/CKMLCR. Therefore in transaction CKMREP I've adjusted the quantity & values in current period 9/2020 from tables CKMLPP/CKMLCR. Now they are in sync with tables ACDOCA values:

SI22: GENERIC_CHECKS



Figure 5-53. Generic checks

- SAP Note 1484142
- SAP Note 2749796

Corrective action: Report RS4SIC_PSMTABCORR (see Figures 5-54 to 5-56)

ABAP Edi	tor: Initial Screen		
60 🕴 🕀 🦂	🕂 📴 🖥 🖬 🎲 🗭 🕒 Debugging	With Variant	🔁 Variants
Program	RS4SIC_PSMTABCORR	Create	
Subobjects			
Source Code	•		
○ Variants			
 Attributes Documentat 	ion		
O Text elemen			
රින Display	Change		

Figure 5-54. RS4SIC_PSMTABCORR

Correction repo	ort for PSM tables	
•		
√ Test run	٦	
v rest full	L	

Figure 5-55. RS4SIC_PSMTABCORR test run



Figure 5-56. Report for RS4SIC_PSMTABCORR

Correction report RS4SIC_TNIW5CORR (see Figure 5-57).

керс	ort RS	SASIC_TN	IW5CORR	
⊕				
_ ✓P_TES	r		7	
- P_1E5			<u>ل</u>	
Report	R5451	C_TNIW5CO	RR	
		_	RR	
Report Report RS4		_	RR	
Report RS4	IC_TNIW	5CORR tent entries for	RR ind in table INIW5.	
Report RS4 Following R	IC_TNIW	5CORR tent entries for 10,0		

Figure 5-57. Correction report for RS4SIC_TNIW5CORR

SI1: FIN_GL

Figures 5-58 and 5-59 show this error message.

6		700	57.	🖉 🔎 🛄 🔛 🕒 Check Consiste	ency for All Ocheck Consistency Details Display Consistency	Check Log Apply/Revoke Exemp	tion Display Exemption Log	
S	implifi	cation	Item L	ist - SAP S/4HANA 2020	[02 (05/2021) FP]			
R	televance	Last Con	Exempti	ID	Title	Lob/Technology	Business Area	Catetory
	0		0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Management	Change of exis .
			0	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording	Non-strategic-f *
	۵	۲	٥	SI1: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory	Change of exis
	4	۲	4	SIL FIN GL	S4TWL - GENERAL LEDGER	Finance	Accounting and Financial Close	Change of exis
	۵		4	SI2: FIN AA	S4TWL - ASSET ACCOUNTING	Finance	Accounting and Financial Close	Change of exis
	۵		0	SI2: Logistics PP-MRP	S4TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality ur
	4	۲	0	SIS: MasterData PM	S4TWL - Simplification of copy/reference handling	Database and Data Management	Enterprise Information Management	Change of exis
	۵	۵	0	SI4: HR EREC	S4TWL - SAP E-Recruiting	Human Resources	Core HR and Time Recording	Non-strategic-f
	۵	•	0	SI22: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion a_	IT Management	Administration and Usability	Change of exis
	۵.	•	0	SI2: SD PRIC	S4TWL - Data Model Changes in SD Pricing	Sales	Order and Contract Management	Change of exis
		•	0	SI33: Logistics General	S4TWL - Retail Information System	Solutions for Specific Industries	Retail	Functionality ui
	4	•	0	SI3: Logistics MM-IM	S4TWL - Material Ledger Obligatory for Material Valuation	Supply Chain	Inventory	Change of exis

Figure 5-58. SI1: FIN_GL

🕻 🔞 🍕 Technical Information 🛛 🚹		
ARVIPW	NI	< A 7 M & 7. 2 % . C & . 4
 W Highest consistency check return code: / 	1	International and the second sec
 A Skip-able consistency error found, exemption can be appled to the item in simplification 	1	
 A tem lst. 	1	Type Nessage Text
Check started at	1	
Check class: CLS4GIC_FI_GL	1	
 A Check class might be cut-of-date. Implement latest version of SAP Note 2502552. 	1	
 	1	
Check ended at	1	
 Consistency check running time: 1 seconds 	1	
 Oursistency check result 	1	
 A Chock Sub ID:"FI_GL_SEVERAL_FI_CO", return ccdc = 4. 	3	
Check Sub-ID: "FL_GL_AGG_SEVERITY", return code = 7.	3	
 Maximum severity of occurred messages for	1	
 2245333 for possible soutions 	1	
G Check Sub-ID: FI GL START, return code = 7.	2	
 Begin of check results for 	1	
Q Check Sub-ID: FI_GL_13*, return code = 7.	2	
 Company code CN01 and contr. area CN01 have different fiscal year variants K1 and K4 	1	
 A Check Sub-ID:"FI_GL_04", return code - 4. 	3	
A Check Sub-ID: "FI_GL_05", return code = 4.	5	
A Check Sub-ID: "FL GL 34", return code = 4.	3	
Check Sub-ID:"FI_GL_END", return code = 7.	2	
A Check Sub-ID:"FL_GL_AGG_SEVERITY", return code = 4.	3	
A Check Sub-ID:"FLGL_START, return code = 4.	2	
A Check Sub-ID: TI_GL_04", return code = 4.	3	
a hard of a second se		1.11

Figure 5-59. Consistency check result

The system changes FYV of CO area to K1 (see Figure 5-60).

Change View "Basic	data": Details				
🎾 New Entries 🐚 🔂 🕼	893				
Controling Area	Controlling Area				
Cil Basic data	Name	S Contraction			
Activate component Assignment of comp	Person Responsible				
	Assignment Control				
	CoCd->CO Area	2 Cross-co	mpany-code cost accounting		•
	Currency Setting				
	Currency Type	10	Company code currency		
	Currency	Carr	Onesische Yuan (internatio	Off. CCode Curren	w.
	Cum/Val. Prof.			CActive	
1	Other Settings				
	Chart of Accts		Chart of accounts -		
	Fiscal Year Variant	20	Cal. Year, 1 Special Period		
	CCtr Std. Herarchy		Cost Center Herarchy		2
	Reconcilation Ledger				
	Document Type				
	Setting for Authorization	Herarchies for	Cost Centers		
	Do Not Use Std Her.	0	Atemative Herarchy1 Atemative Herarchy2	0	
Data was saved				849	

Figure 5-60. Controlling area data

SI2: FIN_AA

Sub ID is FI_AA_ASSETCLASS (see Figure 5-61).

Consistency check re					
Construction Construction					
Werklew			Norm		4 AVM NV. 1.4. DO.Q
 Check ended at 16. 	11.2021 01:19:08 EST		1	-	and product the second s
 Consistency check r 	running time: 1 seconds		1		
 Consistency check r 	est		1		Type Message Text
	A_OUST_DEPROVART", INTUM		6		
 Check Sub-ID: FE A 	A_COMPONENTS", return code	-7.	3		
 Check Sub-3D:7E_A 	A_CUST_LEDGER", return code	-8.	19		
 Check Sub-ID: TLA 	A_OUST_DEPRAREA", return of	de = 8 .	7		
 Deck Sub-ID:TLA 	A_CUST_FISCYEAR", return co	(e = 0 .	2		
· Check Sub-ID('FL A	A ASSETOLASS", return code		43		
 Chart of dep. 	Paral, cry area 34 of area	not active in asset cl.9000 - See note:	1	100	
 2618023 			1		
 Orart of dep. 	Paral, cry area 35 of area	not active in asset cl.9000 - See note:	1		
 2618023 			1		
 Oract of dep. 	Paral, cry area 36 of area	not active in asset cl.9000 - See note:	1		
 2618023 			1		
 Out of dep. 	Paral, cry area 34 of area	not active in asset cl.9000 - See note:	1		
 2618023 			1		
 Out of dep. 	Paral, cry area 35 of area	not active in asset cl.9000 - See note:	1		
 2616023 			1		
 Orart of dep. 	Paral, cry area 36 of area	not active in asset d.9000 - See note:	1		
 2618023 			1		
 Chart of dep. 	Paral, cry area 34 of area	not active in asset cl.9000 - See note:	1		
 2618023 			1		
 Ohart of dep. 	Paral, cry area 35 of area	not active in asset cl.9000 - See note:	1		
 2616023 			1		
 Orant of dep. 	Paral. Cry area 36 of area	not active in asset cl.9000 - See note:	1		
 2618023 			1	-	
 Orart of dep. 	Paral, cry area 34 of area	not active in asset cl.9000 - See note:	1		

Figure 5-61. Consistency check results

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Determine Depreciation Areas in the Asset Class

T-code: OAYZ

Figure 5-62 shows the view before any changes.

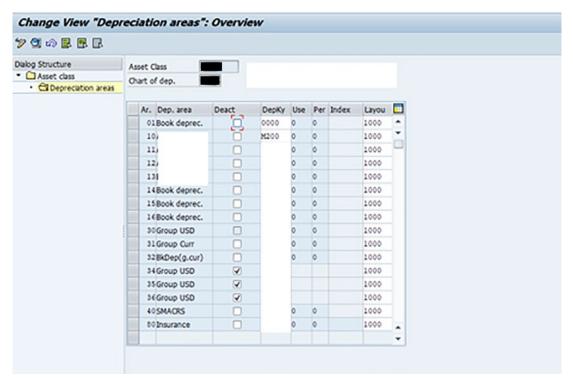


Figure 5-62. Depreciation areas

Figure 5-63 shows the view after the changes.

Carl conservation areas Chart of dep. Carl conservation areas Carl conserva
01Book deprec. ✓ 1000 10/ 0 0 1000 11/ 0 0 1000 12/ 0 0 1000 138 0 0 1000 14Book deprec. ✓ 0 0 1000 15Book deprec. ✓ 0 0 1000 14Book deprec. ✓ 0 0 1000 14Book deprec. ✓ 0 0 1000 14Book deprec. ✓ 0 1000 1000 14Book deprec. ✓ 0 1000 1000 14Book deprec. ✓ 0 1000 1000 14Gook deprec. ✓ 0 1000 1000
10/ 0 0 1000 11/ 0 0 1000 12/ 0 0 1000 13E 0 0 1000 14Book deprec. V 0 0 16Book deprec. V 0 0 16Book deprec. V 0 0 16Book deprec. V 0 1000 16Book deprec. V 0 1000 30Group USD V 1000 31Group Curr V 1000
11// 0 0 1000 12// 0 0 1000 13E 0 0 1000 14Book deprec. V 0 0 1000
12/ 0 0 1000 138 0 0 1000 14Book deprec. V 0 0 1000 15Book deprec. V 0 0 1000 16Book deprec. V 0 0 1000 16Book deprec. V 0 0 1000 30Group USD V 1000 1000 31Group Curr V 1000 1000
13E 0 0 1000 14Book deprec. Image: Constraint of the state
14Book deprec. ♥ 0 0 1000 15Book deprec. ♥ 0 0 1000 14Book deprec. ♥ 0 0 1000 14Book deprec. ♥ 0 0 1000 30Group USD ♥ 1000 1000 31Group Curr ♥ 1000 1000
14Book deprec. ♥ 0 0 1000 15Book deprec. ♥ 0 0 1000 14Book deprec. ♥ 0 0 1000 14Book deprec. ♥ 0 0 1000 30Group USD ♥ 1000 1000 31Group Curr ♥ 1000 1000
14Book deprec. 30Group USD 31Group Curr ♥ 1000
31 Group Curr 🕢 1000
31 Group Curr 🕢 1000
1100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
328kDep(g.cur) 😯 1000
34Group USD 🕢 1000
35Group USD 🕢 1000
34Group USD 🕢 1000
40SMACRS 😥 1000
801nsurance 0000 0 0 1000 .

Figure 5-63. Depreciation area

After the corrections, Sub ID FI_AA_ASSETCLASS is no longer displayed (see Figure 5-64).

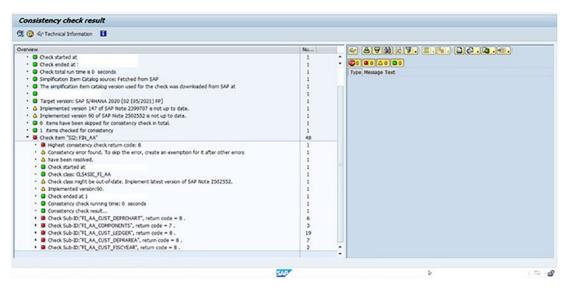


Figure 5-64. Consistency check results

Sub ID FI_AA_CUST_LEDGER

See Figure 5-65.

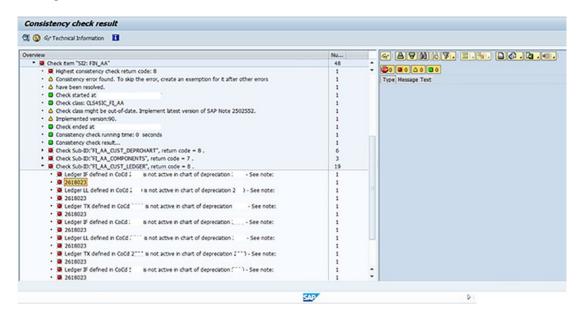


Figure 5-65. Consistency check results

Corrective action:

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Organisational Structure ➤ Copy Reference Chart of Depreciation/Depreciation Areas

T-code: OADB (see Figure 5-66)

	3 1 5 0 8 8 8				
hart	of dep. [1000]				
Def	ine Depreciation Areas				
Ar.	Name of depreciation area	Real	G/L	Trgt Group	
10) (OL- LC)	8	0		•
	Alternative Minimum Tax (OL-LC)	8			*
	Adjusted Current Earnings (OL- LC)	8			
13	Corporate Earnings & Profits(OL- LC)	8			
14				-	
15				-	
16				-	
	Book Dep Group Currency (0L- GC)				
	Consolidated bala sh group currency (OL- LC)	8			
	Consoldated B/S in LC (OL- LC)				
34					
35	-				
26		2			
40	State modified ACRS (OL- LC)	8			
80	Insurance values (OL- LC)		0		•
					. *
. •	•			•	

Figure 5-66. Define the depreciation area

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Depreciation Area ➤ Specify Transfer of APC Values

T-code: OABC (see Figure 5-67)

of dep. 1000 Г			
Ar. Name of depreciation area	ValAd	Id	
12 Adjusted Current Earnings (0L- LC)	10	✓	*
13 Corporate Earnings & Profits(0L- LC)	10	\checkmark	*
14	01		
15	01		
16	01		
30Book Dep Group Currency (0L- GC)	01	☑	
31Consolidated bala sh group currency (OL- LC)	01	☑	
32Consolidated B/S in LC (0L- LC)	01	◄	
34	14		
35	15		
36	16		
40 State modified ACRS (0L- LC)	01	₹	-
No state mouned Acks (02-20)	01		

Figure 5-67. Specify transfer of APC values

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Depreciation Area ➤ Specify Transfer of Depreciation Terms

T-code: OABD (see Figure 5-68)

of dep. 1000			
r. Name of depreciation area	TTr	Identica	i 🛅
12 Adjusted Current Earnings (0L- LC)			-
13Corporate Earnings & Profits(0L- LC)			~
14			
15			
16			
30Book Dep Group Currency (0L- GC)	01	V	
31 Consolidated bala sh group currency (0L- LC)	01	V	
32Consolidated B/S in LC (0L-LC)	01	✓	
34	14		
35	15		
36	16		
40 State modified ACRS (0L- LC)			*

Figure 5-68. Specify transfer of APC values

Sub ID FI_AA_CUST_DEPRCHART

See Figure 5-69.

Dverview	Nu.
 The simplification item catalog version used for the check was downloaded from SAP at 	1
• •	1
 Target version: SAP S/4HANA 2020 [02 (05/2021) FP] 	1
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1
 Items have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
• Ø Check item "SI2: FIN_AA"	47
 Mighest consistency check return code: 8 	1
 Consistency error found. To skip the error, create an exemption for it after other errors 	1
 A have been resolved. 	1
Check started at 1	1
Check class: CLS4SIC_FI_AA	1
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 A Implemented version:90. 	1
Check ended at	1
 Consistency check running time: 1 seconds 	1
Consistency check result	1
Check Sub-ID:"FI_AA_CUST_DEPRCHART", return code = 8.	6
 Invalid assignment of chart of depreciation ODE to company code 0001 - See note: 2618023 	1
 Q Invalid assignment of chart of depreciation ODE to company code RECO - See note: 2618023 	1
 Q Invalid assignment of chart of depreciation ODE to company code REOB - See note: 2618023 	1
 M Invalid assignment of chart of depreciation ODE to company code RERF - See note: 2618023 	1
 M Invalid assignment of chart of depreciation ORU to company code RU01 - See note: 2618023 	1

Figure 5-69. Consistency check result

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Organizational Structure ➤ Assign Chart of Depreciation to Company code.

T-code: OAOB

Figure 5-70 shows the view before any changes.

CoCd Company Name	Chrt dep	Description	
001 SAP A.G.	ODE	Duple chart of depreciation: Germany	-
MB1			-
000	000	epreciation	
010 Company Code 1010	.000	epreciation	
100	.000	epreciation	
200	.000	epreciation	
300	.000	epreciation	
000	:000	clation:	
500	:000	clation:	
000	.000	epreciation	
000	.000	epreciation	
000	6000	clation: P	
R01 Country Template AR			
RG1 Country Template AR			
T01 Country Template AT			
U01 Country Template AU			
E01 Country Template BE			
R01 Country Template BR			
A01 Country Template CA			
H01 Country Template CH			*

Figure 5-70. Assign chart of depreciation to company code

Figure 5-71 shows the view after the changes.

Chang	ge View "Maintail	n company	code in Asset Acco	unting": Overview
🤊 🖒 🛛				
CoCd C	ompany Name	Chrt dep	Description	
TRO1 CO	ountry Template TR	Ĩ	0	-
TW01 Co	ountry Template TW			¥
UA01 Co	ountry Template UA			
US01 C	ountry Template US			
VE01 C	ountry Template VE			
ZAO1 CO	ountry Template ZA			

Figure 5-71. Assign chart of depreciation to company code

Sub ID FI_AA_CUST_DEPRAREA

See Figure 5-72.

- Wichard a hander at aller area		Nu	
Check Sub-ID: FI_AA_CUST_DEPK	AREA", return code = 8 .	25	-
 Deprec. area 01 in ch.of dep. 2618023 		1	~
 Deprec. area 13 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 14 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Ø Deprec. area 15 in ch.of dep. Ø 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 01 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Ø Deprec. area 13 in ch.of dep. Ø 2618023 	is not set for gross transfer posting - See note:	1	
 Ø Deprec. area 14 in ch.of dep. Ø 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 15 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 01 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 13 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	11
 Deprec. area 14 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
 Deprec. area 15 in ch.of dep. 2618023 	is not set for gross transfer posting - See note:	1	
Check Sub-ID:"FI_AA_CUST_FISC	EAR", return code = 8 .	2	

Figure 5-72. Consistency check result

T-code: OABE

Figure 5-73 shows the view before any changes.

of dep.	
Ar. Name of depreciation area	GrossTr
01Book depreciation (0L-LC)	
13Book depreciation (LC)	0
14Book depreciation (LC)	
15Book depreciation (ELC)	
30Book Depreciation (Group Currency) (0L-GC)	•
31 Consolidated balance sheet in group currency	
32Book depreciation in group currency	
33Book depreciation (Group Currency) (GC)	•
34Book depreciation (Group Currency) (GC)	•
35Book depreciation (Group Currency) (EGC)	

Figure 5-73. Gross asset transfer

Figure 5-74 shows the view after the changes.

Ar. Name of depreciation area	GrossTr	
01Book depreciation (0L-LC)		•
13Book depreciation (LC)		*
14Book depreciation (LC)		
15Book depreciation (E-LC)		
30Book Depreciation (Group Currency) (0L-GC)	₹	
31 Consolidated balance sheet in group currency		
32Book depreciation in group currency	<. [3] S	
33Book depreciation (Group Currency) (CC)		
34Book depreciation (Group Currency) (EGGC)		
35Book depreciation (Group Currency) (CGC)		
		*

Figure 5-74. Gross asset transfer

Sub ID FI_AA_COMPONENTS

See Figure 5-75.

 Merview Implemented version 147 of SAP Note 2399707 is not Implemented version 90 of SAP Note 2502552 is not of Interns have been skipped for consistency check in to 1 items checked for consistency Check item "SI2: FIN_AA" Check item "SI2: FIN_AA" Check started at Check class: CLS4SIC_FL_AA Check class might be out-of-date. Implement latest Check ended at Check sub-ID: "FL_AA_COMPONENTS", return code Elsava Check Sub-ID: "FL_AA_CUST_DEPRAREA", return code 	p to date. tal. n exemption for it after other errors	Nu 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 △ Implemented version 90 of SAP Note 2502552 is not 0 □ items have been skipped for consistency check in to □ items checked for consistency ○ Check item "SI2: FIN_AA" ○ Highest consistency check return code: 8 △ Consistency error found. To skip the error, create : △ have been resolved. ○ Check class: CLS4SIC_FI_AA △ Check class might be out-of-date. Implement latest △ Check ended at ○ Check ended at ○ Check sub-ID:"FI_AA_COMPONENTS", return code ○ Check Sub-ID:"FI_AA_COMPONENTS", return code ○ FI-AA (new) is not compatible with old deprec. ○ 2618023 	p to date. tal. n exemption for it after other errors	1 1 1
 0 Items have been skipped for consistency check in to 1 Items checked for consistency Check item "SI2: FIN_AA" Highest consistency check return code: 8 Consistency error found. To skip the error, create a A have been resolved. Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Check ended at Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code Ø FI-AA (new) is not compatible with old deprec. Ø 2618023 	tal. In exemption for it after other errors	
 I tems checked for consistency Check item "SI2: FIN_AA" Highest consistency check return code: 8 Consistency error found. To skip the error, create : A have been resolved. Check started at Check class: CLS4SIC_FL_AA Check class might be out-of-date. Implement latest Check class might be out-of-date. Implement latest Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FL_AA_COMPONENTS", return code Ø FI-AA (new) is not compatible with old deprec. Ø 2618023 	n exemption for it after other errors	
 Check item "SI2: FIN_AA" Highest consistency check return code: 8 Consistency error found. To skip the error, create a A have been resolved. Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code Ø FI-AA (new) is not compatible with old deprec. Ø 2618023 		
 Highest consistency check return code: 8 Consistency error found. To skip the error, create : A have been resolved. Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		25 1 1 1 1 1 1 1 1 1 1
 Consistency error found. To skip the error, create a have been resolved. Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		1 1 1 1 1 1 1 1 1
 A have been resolved. Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 Check started at Check class: CLS4SIC_FI_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 	version of SAP Note 2502552.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 Check class: CLS4SIC_FL_AA Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID: "FL_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 	version of SAP Note 2502552.	1 1 1 1 1
 Check class might be out-of-date. Implement latest Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID: "FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 	version of SAP Note 2502552.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 A Implemented version:90. Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 	version of SAP Note 2502552.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 Check ended at Consistency check running time: 0 seconds Consistency check result Check Sub-ID: "FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		1 1 1
 Consistency check running time: 0 seconds Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		1
 Consistency check result Check Sub-ID:"FI_AA_COMPONENTS", return code FI-AA (new) is not compatible with old deprec. 2618023 		1
 Check Sub-ID:"FI_AA_COMPONENTS", return code ØFI-AA (new) is not compatible with old deprec. Ø 2618023 		
 Ø FI-AA (new) is not compatible with old deprec. Ø 2618023 		1
• @ 2618023	= 7.	3
	calculation; see long text - See note:	1
Check Sub-ID:"FL AA CUST DEPRAREA", return co		1
	de = 8.	9
 Deprec. area 01 in ch.of dep. ! I is not set for 	or gross transfer posting - See note:	1
• 🥥 2618023		1
 Deprec. area 13 in ch.of dep. ! I is not set for 	or gross transfer posting - See note:	1
· 🔘 2618023		1
 Deprec. area 14 in ch.of dep. !) is not set for 	r gross transfer posting - See note:	1
 2618023 		1
 Deprec. area 15 in ch.of dep. !) is not set for 	or gross transfer posting - See note:	1
 2618023 Check Sub-ID:"FL AA_CUST_FISCYEAR", return co 		1

Figure 5-75. Consistency check results

T-code: SFW5

EA-FIN should be active (see Figure 5-76).

Name	Description	Planned Status	Dep	Doc	Rele	Softwarekompon	Rele	Anwendungskompone	SAP	Test
• 🗀										
 ENTERPRISE_EXTENSIONS 	Enterprise Extensions									
 ^(CUM/MAIN) 	Compatible Units		4	0	0	EA-APPL	602	PM-WOC-MO		
 ^A /SDF/WS_MON 	Web Service Monitoring					ST-PI		SV-SMG-DIA		
• 👌 EA-CP	Consumer Products					EA-APPL	600	SD		
 & EA-DFP 	DefenseForces&PublicSecurity			0		EA-DFPS		IS-DFS		
• : CEA-FIN	Financials Extension	Business function remains switch		0		EA-APPL	600	FI		
• 👌 EA-FRC	FERC: Regulatory Reporting					EA-APPL	600	FI		
• :0: EA-FS	Financial Services	Business function remains switch		0		EA-FINSERV		TR		
• 👌 EA-GLT	Global Trade Management					EA-GLTRADE		LO-AB		
 ³ EA-HR 	Human Capital Management			0		EA-HRRXX	600	PA-PA		
 	Incentive and Sales Force Mgmt.				0	EA-APPL	600	ICM		
 A EA-ISE 	Industry-Spec. Sales Enhancement	ā			100	EA-APPL	600	SD		

Figure 5-76. EA-FIN is active

Sub ID FI_AA_CUST_ACCOUNT

See Figure 5-77.

Consistency check result		
🕄 🔞 🏤 Technical Information 🚹 Help		
Dverview	Nu	& A 7 10 3 7.
The simplification item catalog version used for the check was downloaded from SAP at Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented.	1 1 1 1 1 1 312	
 Wighest consistency check return code: 8 Check started at Check cluss: CL54SIC_FL_AA Check coded at Consistency check running time: 1 seconds Consistency check result Consistency check result Check Sub-10:*FL_AA_CUST_ACCOUNT, return code = 4. Check Sub-10:*FL_AA_CUST_ACCOUNT, return code = 8. 	1 1 1 1 1 4 271	
90 CoCd ···· Account ··· not allowed to be balance sheet account (chart of 90 deprec, Z ···) - See note: 2618023 90 CoCd 0111: Account (··· not allowed to be balance sheet account (chart of 90 deprec,) - See note: 2618023 90 CoCd (··· 3: Account (··· not allowed to be balance sheet account (chart of 90 deprec,) - See note: 2618023	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-

Figure 5-77. Consistency check details

CoCd 00XX: Account 00XY-0000NNNNN is not allowed to be balance sheet account (chart of deprec. ZCZ): See SAP Note 2618023.

As per SAP Note 2618023, new accounts are to be created or existing accounts are to be changed (see Figure 5-78).

Message details

Message: »CoCd &4: Account &3-&1 not allowed to be balance sheet account (chart of depreciation &5)«

Diagnosis

The specified account is defined as an asset balance sheet account in the specified chart of accounts (see message short text). This definition is **not** correct for the circumstance.

You should note that the Customizing definition of the respective depreciation area also has an influence on the consistency check for the general ledger accounts. This particularly affects depreciation areas that are set up for managing investment support measures on the liabilities side. In order for the consistency check to be correct, it is necessary for you to set the correct indicator in the definition of the affected depreciation area.

Procedure

Change the account definition or assign a different account for the given set of circumstances.

Figure 5-78. SAP Note 2618023

188

Sub ID FI_AA_CUST_FISCYEAR

See Figure 5-79.

	(Check Sub-ID:"FI_AA_CUST_ACCOUNT", return code = 8 . (Check Sub-ID:"FI_AA_CUST_FISCYEAR", return code = 8 .
and the second se	Fiscal year is not yet opened for company code L See note: 2618023
	CoCd : :: Fiscal year 1999 is not yet closed - See note: 2618023
	CoCd I : Fiscal year 2003 is not yet closed - See note: 2618023
	CoCd I :: Fiscal year 2003 is not yet closed - See note: 2618023
	CoCd I : Fiscal year 2002 is not yet closed - See note: 2618023
	CoCd : Fiscal year 1999 is not yet closed - See note: 2618023
	CoCd : Fiscal year 2001 is not yet closed - See note: 2618023
	CoCd : Fiscal year 2014 is not yet closed - See note: 2618023
	CoCd : Fiscal year 2017 is not yet closed - See note: 2618023
	CoCd Fiscal year 2013 is not yet closed - See note: 2618023
	CoCd : Fiscal year 2013 is not yet closed - See note: 2618023
	Fiscal year is not yet opened for company code See note: 2618023
	Check Sub-ID:"FI_AA_ASSETCLASS", return code = 8 .

Figure 5-79. Consistency check

CoCd 00XX: Fiscal year YY99 is not yet closed; see SAP Note 2618023 (see Figure 5-80).

Message: CoCode &1: Fiscal year &2 is not yet closed.

Diagnosis

The current fiscal year is still open in the specified company code (see message short text).

A maximum of one fiscal year is allowed to be open in a company code before you install SAP S/4HANA.

You are not allowed to install SAP S/4HANA. Document migration will not be possible.

Procedure

Perform your year-end closing and make sure that the fiscal year mentioned is closed for the company code.

Figure 5-80. SAP Note 2618023

Refer to SAP Note 2618023. The fiscal year needs to be closed; only the current fiscal year can be open.

Sub ID FI_AA_CUST_DEPRAREA_CURRENCY

See Figure 5-81.

• 🧶 2618023		1
Check Sub-ID:"FI_AA	_CUST_DEPRAREA_CURRENCY", return code = 8.	3
 Company code 2618023 	: Parallel currency area 32 not in asset master record - See note:	1

Figure 5-81. Consistency check

Company code 00XX: Parallel currency area 32 not in asset master record; see SAP Note 2618023 (see Figure 5-82).

Message details

Message: CoCode &1: Parallel currency area &2 does not exist in the asset master record

Diagnosis

The depreciation area specified (see message short text) is defined as parallel currency area.

However, this parallel currency area does **not** exist in the asset master record of the specified company code even though the base depreciation area exists in the asset master record.

You are not allowed to install SAP S/4HANA. The document migration would not be possible.

Procedure

If you are migrating from classic Asset Accounting to new Asset Accounting in SAP S/4HANA, then you must implement the missing parallel currency area in the asset master record **before** the installation of SAP S/4HANA and determine the values for this depreciation area. To determine the values, use program *Automatic Opening of a New Depreciation Area* (RAFABNEW).

Figure 5-82. SAP Note 2618023

Any missing parallel currency areas in the asset master record must be implemented before installing SAP S/4HANA. To determine the values for this depreciation area, use the Automatic Opening of a New Depreciation Area (RAFABNEW) program.

Module - HR SI3: HR_LEARN

See Figures 5-83 and 5-84.

-	Simplif	ication	Item L	ist - SAP S/4HANA 202	0 [Initial Shipment Stack]		
8	Relevance	Last Cons	Exemptio	ID	Title	Lob/Technology	Business Area
5		۲	0	SI21: SD_VBFA_STUFE	S4TWL - VBFA - Indirect Docflow Relationships	Sales	Order and Contract Management
i,	Δ	۲	0	SI22: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion an	IT Management	Administration and Usability
T	Δ		Δ	SI2: FIN MISC ML	S4TWL - Technical Changes in Material Ledger	Finance	Cost Management and Profitability
T	Δ.	۲	Δ	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording
i.	4		0	SIS: CT_OM	S4TWL - Duplcate request entries in Output Manageme	Application Platform and Infrastructure	Process Management and Integra

Figure 5-83. SI3: HR_LEARN

Consistency check result		
역 📀 🛷 Technical Information 🕕 Help		
Overview		Nu
 The simplification item catalog version us 	ed for the check was downloaded from SAP at	1
 14.12.2020 11:43:58 UTC 		1
 Target version: SAP S/4HANA 2020 [Init 		1
 Latest version 140 of SAP Note 239970. 	7 is implemented.	1
 Latest version 82 of SAP Note 2502552 	is implemented.	1
 Items have been skipped for consister 	ncy check in total.	1
 I items checked for consistency 		1
Check item "SI3: HR_LEARN"		22
 Highest consistency check return cod 	le: 7	1
 A Skip-able consistency error found, ex 	emption can be applied to the item in simplification	1
 A tem lst. 		1
 Check started at 15.12.2020 08:18:3 	9 CET	1
Check class: CLS4SIC_LSO_ACTIVE_S	TATUS	1
 A Check class might be out-of-date. Im 	plement latest version of SAP Note 2965544.	1
 A Implemented version:. 		1
 Check ended at 15.12.2020 08:18:39 	9 CET	1
 Consistency check running time: 0 set 	econds	1
Consistency check result		1
Check Sub-ID:"CHECK_START", return	n code = 0 .	2
Check Sub-ID:"CHECK_LSO_ACTIVAT	ION", return code = 7 .	7
SAP Learning solution is used in	but LSO activation is inconsistent. Proceeding	1
	ty from this system. Kindly check SAP note 2383837 for	1
 Usage of SAP Learning Solutions in 	S4 landscape.	1
SAP Learning solution is used in		1
had	ty from this system. Kindly check SAP note 2383837 for	1
 Usage of SAP Learning Solutions in 		1
Check Sub-ID:"CHECK_END", return of		2

Figure 5-84. Simplification Item Check

As per Note 2383837, SAP customers running S/4HANA on premise, HCM, and SAP Learning Solution in one system are required to replace the SAP learning solution with SuccessFactors Learning.

Transaction Code: SM30 Table: T77S0 Group: HRLSO – HRLSO – Remove X (Deactivate). See Figure 5-85.

Display View "System Table": Overview										
1	Documentation 🕃 🖪 🕞									
	Group	Sem.abbr.	Value abbr	Description						
	HRLSO	HRLSO		SAP Learning Solution On/Off	-					
	HRLSO	JOPOS	LSOJOPOS	Positions and Jobs of User	-					

Figure 5-85. Table T77S0

Module – Material Management

SI5: Logistics_MM-IM

See Figures 5-86 to 5-88.

🔄 🛆 🧕 🛆 SIS: Logistics MM-IM S4TWL - Performance optimizations within Material Docu, Others



Overview	Nu
Consistency check overall information	31
Consistency check performed in system	1
 Software Update Manager(SUM) mode: No. 	1
 Check performed in background mode (sy-batch): No. 	1
 Check started at 18.06.2020 08:08:26 EST 	1
 Check ended at 18.06.2020 08:08:26 EST 	1
Check total run time is 0 seconds	1
 E Simplification Item Catalog source: Fetched from SAP 	1
 The simplification item catalog version used for the check was downloaded from SAP at 	1
• 🔲 18.06.2020 07:35:17 UTC	1
 Target version: SAP S/4HANA 1909 [02 (05/2020) FP] 	1
 Latest version 133 of SAP Note 2399707 is implemented. 	1
 Latest version 76 of SAP Note 2502552 is implemented. 	1
 Items have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
Check item "SIS: Logistics_MM-IM"	16
 Highest consistency check return code: 7 	1
 A Skip-able consistency error found, exemption can be applied to the item in simplification 	1
• 🛆 tem lst.	1
 Check started at 18.06.2020 08:08:26 EST 	1
 Check class: CLS4SIC_MM_IM_SIS 	1
 Check ended at 18.06.2020 08:08:26 EST 	1
 Consistency check running time: 0 seconds 	1
Consistency check result	1
Check Sub-ID: "LIS_CUSTOMIZING_CHECK", return code = 7.	7
 E Late lock mode is active and LIS processing is active in mandt: Inconsistent system 	1
 E state for MM-IM in S/4HANA. Skip it now but you have to adjust your customizing after the 	1
 migration! See SAP note 2319579 	1
 Early lock mode is active and LIS processing is active in mandt: 1 . MM-IM document 	1
• 💭 processing will run without optimization after migration. You can skip this message and	1
 Adjust your customizing after the migration. See SAP note 2319579 	1

Figure 5-87. Consistency check results

SAP Note 2319579 Transaction: OMJI

Set Material Block		
Material block for goods movements		
• Exclusive block		
O Late exclusive block	Waiting time	L0 Seconds
Activate Late DB Update		

Figure 5-88. Set material block

Transaction 0M09 (see Figure 5-89)

Updati	ng	- Inventory Controlling	: In	6	Str	uc	tur	es			
C.											
Update Para	met	ters									
			۲	Peri	od (Jnit		2	Upd	late	
Info Struct.		Description	D	w	M	P	FIV	N	1	2	3
S031 (7	INVCO: Movements	10	0	•	0		۲	0	0	0
S032		INVCO: Stocks						۲	0	0	0
5033		INVCO: Movements (ind.records)		0	0	0		۲	0	0	0
5034		INVCO: Movements (batches)	10	0	۲	0		۲	0	0	0
S035		INVCO: Stocks (batches)						۲	0	0	0
\$090		WM: Stock placements/removals	0	0	۲	0		۲	0	0	0
S091		WM: Quantity flows	0	0	۲	0		۲	0	0	0
S094		Stock/requirements analysis	0	0	۲	0		۲	0	0	0
S194		MRP: Business Info Warehouse		0	0	0		۲	0	0	0
S464		BCO: Movement reference S031	•	0	0	0		۲	0	0	0

Figure 5-89. Transaction OMO9

SI12: Logistics: MM-IM

See Figures 5-90 and 5-91.

昆	Relevance	Last Cons	Exemptio	D	Ttle	Lob/Technology	Business Area	Catetory
	Δ	•	0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Management	Change of exist
	Δ	•	0	SI32: Logistics PLM	S4TWL - Classification - Data Cleanup before Migration	R&D/Engineering	Product Lifecycle Management	Change of exist *
	Δ	۲	Δ	SI12: Logetics MM-IM	S4TWL - Document Flow Consistency for Goods Receipt	Supply Chain	Inventory	Change of exist
	Δ	۲	0	SIZ2: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion an	IT Management	Administration and Usability	Change of exist

Figure 5-90. Logistics MM-IM

🕄 😳 🕼 Technical Information 🔟 Help	
Dverview	Num
 Check started at 20.08.2020 11:14:43 EST 	1
 Check ended at 20.08.2020 11:14:43 EST 	1
Check total run time is 0 seconds	1
 Simplification Item Catalog source: Uploaded from file 	1
• The simplification item catalog version used for the check was downloaded from SAP at	1
 13.08.2020 04:23:20 UTC 	1
 Target version: SAP 5/4HANA 1909 [02 (05/2020) FP] 	1
 Latest version 135 of SAP Note 2399707 is implemented. 	1
 Elatest version 78 of SAP Note 2502552 is implemented. 	1
 I o items have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
Check Rem "SI12: Logistics_MM-B4"	16
Highest consistency check return code: 7	1
 A Skp-able consistency error found, exemption can be applied to the item in simplification 	1
• 🛆 tem lst.	1
 Check started at 20.08.2020 11:14:43 EST 	1
 Check class: CL545IC_MM_IM_SI12 	1
 Check ended at 20.08.2020 11:14:43 EST 	1
 Consistency check running time: 0 seconds 	1
 Consistency check result 	1
Echeck Sub-ID: DOC_FLOW_UPDATE_NOT_SET", return code = 7.	7
 	1
 Global Shipping Data in the following clients. 	1
 For more details refer to SAP Note : 2542099. 	1
•	1
 conversion. 	1
	1

Figure 5-91. Consistency Check results

Execute the corrective notes from SNOTE 2542099.

SI1: Logistics MM-IM

See Figures 5-92 and 5-93.

B Releva	nce Last Con	Exempti.	ID	Title	Lob/Technology	Business Area	Catetory
4	۲	0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Management	Change of exis
۵		0	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording	Non-strategic-f
4	۲	0	SII: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory	Change of exis
4		0	SIZ: FIN AA	S4TWL - ASSET ACCOUNTING	Finance	Accounting and Financial Close	Change of exis
4		0	SI2: Logistics PP-MRP	S4TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality ur
Δ	۵	0	SI1 FIN GL	S4TWL - GENERAL LEDGER	Finance	Accounting and Financial Close	Change of exis
		0	C14+ UD EDEC	CATMA CAD E Paraitina	Human Recourses	Care UP and Time Percerting	tion strategic f

Figure 5-92. Logistics MM-IM

verview	Nu	
 Check performed in background mode (sy-batch): No. 	1	
Check started at	1	
 Check ended at 1 	1	
 Check total run time is 29 seconds 	1	
 Simplification Item Catalog source: Fetched from SAP 	1	
 The simplification item catalog version used for the check was downloaded from SAP at 	1	
• •	1	
 Target version: SAP S/4HANA 2020 [02 (05/2021) FP] 	1	
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1	
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1	
 Items have been skipped for consistency check in total. 	1	
 I items checked for consistency 	1	
Of Check item "SI1: Logistics_MM-IM" Of Check item "SI1: Logistics	19	
 M Highest consistency check return code: 8 	1	
Deck started at :	1	
Check class: CLS4SIC_MM_IM_SI1	1	
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1	
 A Implemented version:90. 	1	
Check ended at	1	
 Consistency check running time: 29 seconds 	1	
 Consistency check result 	1	
Q Check Sub-ID: "ALL_MATNR_IN_MARA", return code = 8.	5	
 MANDT: 300, MATNR 000000000000000000000000000000000000	1	
• 🔘 note: 2197392	1	
 MANDT: 300, MATNR 00000000000000393 of table MSEG does not exist in table MARA - See 	1	
 Ø note: 2197392 	1	l
A Check Sub-ID:"KALNR_VAL_DOC", return code = 4.	5	

Figure 5-93. Consistency check results

As per Note 2197392, material documents related to the materials that are missing in MARA should be archived.

Module – PP

SI2: Logistics: PP_MRP

See Figures 5-94 and 5-95.

			0	SIZZ: GENERIC CHECKS	541WL - Generic Check for SAP S/4HANA Co	inversion an IT Management	Administration and Usability	Change of exis
100	Δ		0	SI2: Logistics PP-MRP	S4TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality u
	Δ.	-		CTD- UP I FADIL	CATLE CARLemmine Californ	Linner Bernerer	Case 110 and Tone December	Constanting in the

Figure 5-94. Logistics PP-MRP

Overview	Nu
Consistency check overall information	97
Consistency check performed in system	1
 Software Update Manager(SUM) mode: No. 	1
 E Check performed in background mode (sy-batch): No. 	1
 Check started at 20.08.2020 11:18:20 EST 	1
 E Check ended at 20.08.2020 11:18:20 EST 	1
Check total run time is 0 seconds	1
 Simplification Item Catalog source: Uploaded from file 	1
 The simplification item catalog version used for the check was downloaded from SAP at 	1
 I 13.08.2020 04:23:20 UTC 	1
 Target version: SAP S/4HANA 1909 [02 (05/2020) FP] 	1
 Latest version 135 of SAP Note 2399707 is implemented. 	1
 Latest version 78 of SAP Note 2502552 is implemented. 	1
 I tems have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
Meck tem "SI2: Logistics_PP-MRP"	82
 Highest consistency check return code: 8 	1
 Check started at 20.08.2020 11:18:20 EST 	1
Check class: CLS4SIC_PP_MRP_SI2	1
 Check ended at 20.08.2020 11:18:20 EST 	1
 Consistency check running time: 0 seconds 	1
 Consistency check result 	1
Check Sub-ID: "MRP_AREA_CHECKS_002", return code = 0.	3
Check Sub-ID: "MRP_AREA_CUSTOMIZING_001", return code = 8.	2
 Please switch on MRP Areas in the customizing - 	1
Check Sub-ID: "MRP_AREA_CUSTOMIZING_0018", return code = 8.	3
 Please ensure that planning file entries are converted for MRP areas in see 	1
• 🖲 SAP Note 2469139.	1

Figure 5-95. Consistency check result

After you execute the correction notes as per 2469139 and 2216528, the pre-upgrade check for storage location migration report MRP_AREA_STORAGE_LOC_MIGRATION issue will be resolved.

The system displays the list of simplification items, as shown in Figures 5-96 and 5-97.

SI5: MasterData_PM

SAP							
	170	10 VI.	🔚 . 🔝 . 🔠 🖓 Check Con	istency for AI 🕼 Check Consistency Details 🚍 Display Consistency	Check Log Apply/Revoke Exemp	tion 😅 Display Exemption Log	
Simp	lification	n Item	List - SAP S/4HANA 202	20 [02 (05/2021) FP]			
Releva	nce Last Cons	Exemptio	D	Title	Lob/Technology	Business Area	Catetory
	•	0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Management	Change of exist
	•	0	SID: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording	Non-strategic-fi
		0	SI1: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory	Change of exist
		Δ.	SIL FIN GL	S4TWL - GENERAL LEDGER	Finance	Accounting and Financial Close	Change of exist
		Δ	SIZ: FIN AA	S4TWL - ASSET ACCOUNTING	Finance	Accounting and Financial Close	Change of exist
		0	SIZ: Logistics PP-MRP	54 TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality ur
		0	SIS: MasterData PM	S4TWL - Simplification of copy/reference handling	Database and Data Management	Enterprise Information Management	Change of exist
		0	S14: HR EREC	S4TWL - SAP E-Recruiting	Human Resources	Core HR and Time Recording	Non-strategic-fi
	-	-	and concern a start		THE ADDRESS OF THE OWNER	A design of the second state in the	A

Figure 5-96. Master data PM

verview	Nu	
Consistency check overall information	28	-
Consistency check performed in system	1	
 Software Update Manager(SUM) mode: No. 	1	
 E Check performed in background mode (sy-batch): No. 	1	
Check started at :	1	
Check ended at 1	1	
Check total run time is 1 seconds	1	
 Simplification Item Catalog source: Fetched from SAP 	1	
 The simplification item catalog version used for the check was downloaded from SAP at 	1	
•	1	
 Target version: SAP S/4HANA 2020 [02 (05/2021) FP] 	1	
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1	
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1	
 Items have been skipped for consistency check in total. 	1	
 I items checked for consistency 	1	
Check item "SIS: MasterData_PM"	13	
 Ø Highest consistency check return code: 8 	1	
Check started at	1	
Check class: CLS4SIC_LO_MD_MM	1	
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1	
 <u>A</u> Implemented version:90. 	1	
Check ended at :	1	
 Consistency check running time: 1 seconds 	1	
Consistency check result	1	
Check Sub-ID:"CHECK_START", return code = 0.	2	
Start execution of Class	1	L
Check Sub-ID: "SAP_APPL_LO_MD_MM_T130F_CHECK", return code = 8.	2	-
 Please check note 2330063 for error resolution due to missing table T130F_C 	1	

Figure 5-97. Consistency check result

Before any corrective actions, check tables T130F and T130F_C (see Figure 5-98).

×	Field attributes
×	
	Maintain entries
	K

Figure 5-98. Table T130F

If there is an error that says that the T130F_C table is missing, check Note 2330063 for error resolution.

As per 2330063, NOTE_2323185 should be implemented in the source system (see Figure 5-99).

ABAP Ed	litor: Initial Screen	7		
ii / 🖗 🕯	ê 🗄 🗉 👕 🗅 🕪	Debugging	With Variant	🔁 Variar
Program	NOTE_2323185	ja	Create	
Subobjects				
Source Cod Variants	le			
OAttributes				
ODocumenta	ition			
	ints			

Figure 5-99. NOTE_2323185

Step 1: Execute the test run (see Figure 5-100).

NOTE_2323185 - Note Implementation		
•		
Step 1	1	
Step 2 Update & Activate	 Instructions: Execute the given steps one after the other. If an error occurs repeat the same step again until the error is solved. It does not harm if a step is executed several times. Nearlly all popups can be closed by pressing ENTER. 	
	Test Run: You perform the test run to check the prerequisites and display the list of objects to be updated.	

Figure 5-100. NOTE_2323185 test run

Step 2: Update and activate. the System creates the T130F_C table. **Step 3:** Change the log (see Figure 5-101).

	65	اگ	◙◍▨◪◪◪◪◪) 🗇 , 🖽 , 🖾 0 💌 0 🛆 0 🗖 14
B	Ту	Obj.	Object Name	Message Text
				Running in Update Mode
		TABD	T130F_C	Create Table Definition (language EN)
		TABD	T130F_C	Update successful
		TABD	T130F_C	Add field(s) to table
		TABD	T130F_C	Field MANDT will be added
		TABD	T130F_C	Field FNAME will be added
		TABD	T130F_C	Field KZREF will be added
		TABD	T130F_C	Field REFTY will be added
		TABD	T130F_C	Field KZCPY will be added
		TABD	T130F_C	Field RFINI will be added
		TABD	T130F_C	Change Table Definition (language EN)
		TABD	T130F_C	No update necessary
			Activation	DDIC activation successful
			Detailed Log	Click this message to view detailed activation logs with name NOTE_2323185:

Figure 5-101. Change log

Verify the table entries in T130F_C; there are no values. Execute the migration report RMMT130F_CPY. (This report should be executed for all clients.)

Execute a test run and uncheck the test run after the desired results (see Figure 5-102).

Report RMMT130F_CPY			
¢			
CLIENT			
OVERWRT	٦		
1621			

Figure 5-102. Report RMMT130F_CPY

The result is shown in Figure 5-103.

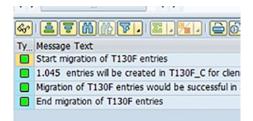


Figure 5-103. Result of migration report

Entries are updated to T130F_C that are copied from the T130F table (see Figure 5-104).

General Ta	ble Display	
Background	Number of Entries 🛛 🕃	🗟 🖶 🖶 All Entries
Table	T130F_C	
🕒 Number of Er	tries Found	
Entries found	[1.045	
Fid name	O. Fr.Value	To value
Client	O. FILVAUE	To value

Figure 5-104. The T130F_C table

SI32: Logistics_PLM

See Figures 5-105 and 5-106.

Simpli	fication	Item	List - SAP S/4HANA 19	909 [02 (05/2020) FP]			
Relevance	Last Cons.	Exempts	0 10	Ttie	Lob/Technology	Business Area	Catetory
Δ	•	0	SI2: HasterData 6P	54 TVAL - Busitiess Partner Approach	Outabase and Data Management	Enterprise Information Management	Change of exist -
Δ	•	0	SD2: Logistics PLM	54 TVL - Cassification - Data Ceanup before Migration	R&D/Engneering	Product Lifecycle Management	Change of exat .

Figure 5-105. Logistics PLM

Overview	Nu
Consistency check overall information	22
Consistency check performed in system)	1
 Software Update Manager(SUM) mode: No. 	1
 Check performed in background mode (sy-batch): No. 	1
 Check started at 20.08.2020 11:13:48 EST 	1
 Check ended at 20.08.2020 11:13:48 EST 	1
Check total run time is 0 seconds	1
 Simplification Item Catalog source: Uploaded from file 	1
 The simplification item catalog version used for the check was downloaded from SAP at 	1
• 🔲 13.08.2020 04:23:20 UTC	1
 Target version: SAP S/4HANA 1909 [02 (05/2020) FP] 	1
 ELatest version 135 of SAP Note 2399707 is implemented. 	1
 Latest version 78 of SAP Note 2502552 is implemented. 	1
 Items have been skipped for consistency check in total. 	1
1 Items checked for consistency	1
Check item "SI32: Logistics_PLM"	7
Beneficial Antipartic Provided Field Consistency Check return Code: 12	1
 Check started at 20.08.2020 11:13:48 EST 	1
Check class: CLS4SIC_INOB_DUPE_CHECK	1
 OLS4SIC_INOB_DUPE_OHEOK not found; check the implementation status of SAP Note 2943919. 	1
 Check ended at 20.08.2020 11:13:48 EST 	1
 Consistency check running time: 0 seconds 	1

Figure 5-106. Consistency check results

Execute the corrective notes from SNOTE, Note 2943919 (see Figures 5-107 and 5-108).

SI5: Masterdata_PM

Δ		0	SI22: GENERIC CHECKS	S4TWL - Generic Check for SAP S/4HANA Conversion an	IT Management	Administration and Usability	Change of exist
Δ	۲	0	SIZ: Logistics PP-MRP	S4TWL - Storage Location MRP	Manufacturing	Production Planning	Functionality un
Δ		Δ	SI3: HR LEARN	S4TWL - SAP Learning Solution	Human Resources	Core HR and Time Recording	Functionality un
Δ		0	SIS: MasterData PM	S4TWL - Simplification of copy/reference handling	Database and Data Management	Enterprise Information Management	Change of exist
Δ	^	0	SII: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory	Change of exist

Figure 5-107. Master data PM

Verview Consistency check overall information	Nu.
Consistency check overall information Consistency check performed in system	26
Software Update Manager(SUM) mode: No.	1.0
Greck performed in background mode (sy-batch): No.	
Check started at 20.08.2020 11:23:06 EST	1
Check ended at 20.08.2020 11:23:06 EST	
Check total run time is 0 seconds	
Simplification Item Catalog source: Uploaded from file	
The simplification item catalog source: optication memory The simplification item catalog version used for the check was downloaded from SAP at	
13.08.2020 04:23:20 UTC	
Tarpet version: SAP S/4HANA 1909 [02 (05/2020) FP]	1
Latest version 135 of SAP Note 2399707 is implemented.	1
Latest version 78 of SAP Note 2502552 is implemented.	1
 I tems have been skipped for consistency check in total. 	1
I items checked for consistency	1
Check tem "SIS: MasterData PM"	- ii
B Highest consistency check return code: 8	1
 Check started at 20.08.2020 11:23:06 EST 	1
Check class: CL54SIC_LO_MD_MM	1
 Check ended at 20.08.2020 11:23:06 EST 	1
Consistency check running time: 0 seconds	1
Consistency check result	1
Check Sub-ID: "CHECK_START", return code = 0.	2
Check Sub-ID: SAP_APPL_LO_MD_MM_T130F_CHECK", return code = 8.	2
Please check note 2330063 for error resolution due to missing table T130F_C	1

Figure 5-108. Consistency check results

Execute the corrective notes from SNOTE, Note 23300063.

SI2: Logistics_PP-MRP

See Figures 5-109 to 5-111.

🕴 📀 - Gy-Technical Information 🔟				
verview	N			
	Num Column (No.) Column (No.) <thcolumn (no.)<="" th=""> Column (No.)</thcolumn>			

Figure 5-109. Logistics_PP-MRP

伐 😳 4r Technical Information – 🗓		
Overview	Nam	4 AVM
• Oreck Sub-ID: "HEP_AREA_DECKS_002", return code = 0.	3	: Coleo Aoleo
Deck Sub-ID: "HRP_AREA_CUSTOMIZING_001", return code = 8.	2	Distance Produced Scienced Scienced
 Please switch on MRP Areas in the customong - I 	1	Type Message Text
 Check Sub-ID: "MRP_AREA_CUSTOMIZING_0018", return code = 8. 	3	
 Please ensure that planning file entries are converted for MRP areas in (*****) - see 	1	
 SAP Note 2469139. 	1	
 Check Sub-ID: "HRP_AREA_CUSTOMIZING_006", return code = 8. 	4	
 E Please ensure in the customizing that there exists a special procurement key with 	1	
 # procurement type 'F' (external procurement)and special procurement "U" (Stock transfer) 	1	
 # and receiving plant equal to the delivering plant - Clent **** Plant:1 	1	
• Deck Sub-3D: "NRP_AREA_CUSTOMIZING_007", return code = 8.	31	
 Please ensure in the customizing that a storage location MRP Area exats - Clent: 	1	
Pant:: I Storage location: I	1	
 Please ensure in the customizing that a storage location MRP Area exists - Clent: 	1	
 Plant:1^{***} Storage location:1(1	
 	1	
 Plant:3 I Storage location:3***> 	1	
 Please ensure in the customizing that a storage location MRP Area exists - Clent: 	1	
 Plant:1^{***} Storage location:(1	
 	1	
 	1	
 Please ensure in the customizing that a storage location MRP Area exists - Clent: 	1	
Plant:3 ^{***} Storage location:3	1	
 Please ensure in the customizing that a storage location MRP Area exists - Clent: 	1	
 Plants***** Storage location: 	1	
 Please ensure in the customizing that a storage location MPP Area exists - Clent: 	1	
Plantid Storage location:1 ^{(***})	1	
 Please ensure in the customizing that a storage location MRP Area exists - Clent: 	1	*

Figure 5-110. Logistics_PP-MRP

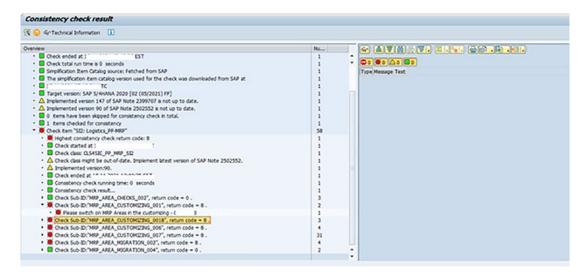


Figure 5-111. Consistency check results

Corrective actions:

1. Convert the planning file entries (see Figures 5-112 and 5-113).



Figure 5-112. Conversion of planning

Conversion of planning file entries MDVM/MDVL into DBVM/DBVL
(8) ▲ ▼ ▼ J 4 ⊕ ⊽ ■ 61 € 00
Flant MSP areas created:
Fint HDF Area 1 10 10 1 00 10 1 00 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10
Number of planning file entries in MDNM to be converted: 0
Number of converted planning file entries in DWNH: 0
Number of planning file entries in MEVL to be converted:
Bumber of converted planning file entries in DBVLi
Number of planning file entries in XDNM to be converted:
Sumber of converted planning file entries in 12076; 0
Number of planning file entries in NZVL to be converted:

Figure 5-113. Conversion of planning file entries

2. Activate the MRP areas (see Figure 5-114).



Figure 5-114. Activation of MRP areas

3. Maintain a special procurement type when customizing for stock transfers within the same plant (see Figure 5-115).

> New Entries	13 H A) (4 H)
Nant III)	
p.Pr.Type [21] Stool	CTransfer (1000)
hocurement type	F External procurement
Special Procurement	
Special procurement	0 Stock transfer
Plant	
Stk Transf	Stock Transfer Reservations from the Plant to the MRP
As BOM component	
Phantom tem	
Drect production	
Drect procurement	
Withdr.altern.plant	Issuing plant

Figure 5-115. Maintain special procurement

4. Verify MRP Type ND with MRP Procedure N (see Figure 5-116).

Change View	"MRP Types": Details	
🦻 New Entries	6 6 9 8 6 8	
MRP Type	ND No planning	
MRP procedure	No MRP	
Control parameters		
Firming type Roll forward	Do not delete firm planned orders	
Use forecast for mate	erial requirements planning	
Forecast ind. Cons. Ind. F'cast MRP Ind. Forecast Reduce forecast	No forecast	
Automatic calculatio	on of	
Safety stock		
Additional control par	rameters	
Screen sequence		
Additional selection p	parameters	
Planning method		

Figure 5-116. MRP types

MRP AREA for Plant:**** Storage location: **** (see Figure 5-117).

🧇 New Entries 🐻 🖘 🕱	B-10-		
Dalog Structure MRP areas Plant (one entry per Assign storage locato Subcontractor (one	HRP Area Plant	[)	
	MRP Area Stora	pe Locations	
	R. Stor. Loc.	Description	
	2	D alky Loc	0

Figure 5-117. Assign storage location

Module SD

See Figure 5-118.

SAP				
C A V	10 18 VII 210 Can H			
	The Alter Art and Alter and A	Display Consistency Check Log	Polenia, Exemplier Le	-
			Display Exemption Lo	9
Simplifi	cation Item List - SAP S/4HAN	A 2020 [02 (05/2021) FP]		
Exemption	ID	Title	Lob/Technology	Business Area
0	SI2: SD_PRIC	S4TWL - Data Model Changes in SD Pricing	Sales	Order and Contract Management
0	SI14: SD BILLING OM	S4TWL - Billing Document Output Management	Sales	Order and Contract Management
0	SI16: SD Miscellaneous minor deprecations in S	S4TWL -Miscellaneous minor functionalities in SD Area	Sales	Order and Contract Management
0	SI1: SD GENERAL	S4TWL - SD Simplified Data Models	Sales	Order and Contract Management
0	SI4: SD_CM	S4TWL - Credit Management	Sales	Order and Contract Management
0	SI8:MasterData PM	S4TWL - Material Type SERV	Service	Service Master Data & Agreement
0	SII: CS_CIC	S4TWL - Customer Interaction Center (CIC)	Service	Service Operations & Processes
0	SI7: SD ANA	S4TWL - Simplification in SD Analytics	Sales	Order and Contract Management
	SI01: CS	S4TWL - Customer Service	Service	Service Operations & Processes
	SI10: SD_ROLES	S4TWL - Business Role Internal Sales Representative	Sales	Order and Contract Management
	SI13: SD CAS	S4TWL - Sales Activities	Sales	Sales Force Support

Figure 5-118. Simplification Item List SD

Corrective actions:

1. SI2: SD_PRIC - Data Model Changes in SD Pricing

Refer to SAP Note 2267308.

Data model simplifications in Sales and Distribution (SD) pricing have been made.

The following DDIC changes and interface changes have been made to the condition technique:

- DDIC changes
- Interface changes

Elements in KONV have also been changed. You need to make all the ABAP changes. No impact on business processes is expected.

2. SI14: SD_BILLING_OM: Billing Document Output Management

Refer to SAP Note 2267376.

The new output management for SAP S/4HANA, called SAP S/4HANA output control, was introduced.

SAP S/4HANA output control only supports the "pure" output channels, while the NAST-based output can also be used for several kinds of post-processing.

SAP S/4HANA output control cannot be used if one of the following NAST transmission mediums is required:

- Eight special functions
- Nine events (SAP Business Workflow)
- A distribution (ALE)
- T tasks (SAP Business Workflow)

In this case, switch back to NAST-based output management. Choose Application Inactive if you want to switch back to NAST.

3. SI16: SD_ Miscellaneous minor deprecations in SD Area

Refer to SAP Note 2267395.

In SAP S/4HANA, only the most recent and most comprehensive version is available for many of these objects. Deprecated versions have been disabled. In the SD area, a couple of deprecated BAPI function modules and SAPGUI transactions have been disabled. SAP Note 2228098 contains a list of objects not available in SAP S/4HANA and, if available, the respective successors object.

In the SD area, a couple of deprecated BAPI function modules and SAPGUI transactions have been disabled.

It is recommended to use the successor object instead of the deprecated object.

You need to make all the ABAP changes. No impact on business processes expected.

4. SI1: SD_GENERAL - SD Simplified Data Models

Refer to SAP Note 2267306.

The following data model simplifications have been implemented for the SD area:

• Eliminate the status tables VBUK and VBUP: Status fields have been moved to the corresponding header and item tables - VBAK and VBAP for sales documents, LIKP and LIPS for deliveries, and VBRK for billing documents.

This leads to increased performance:

• Selection of document header data and document header status requires one SELECT statement (VBAK) instead of two SELECT statements (VBAK and VBUK). This is similar for the item tables.

Views containing document header data and document header status can be built without the JOIN condition.

- Simplification of document flow table VBFA
- Field length extension of SD document category
- Data element VBTYP (Char1) has been replaced by data element VBTYPL (Char4)
- Field VBTYP_EXT (Char4) has been eliminated
- Elimination of redundancies: Document index tables VAKPA, VAPMA, VLKPA, VLPMA, VRKPA, and VRPMA
- Elimination of redundancies

- Rebate index table VBOX: See simplification item "SD Rebate Processing replaced by Settlement Management," SAP Note 2267377
- LIS tables S066, S067: See simplification item "Credit Management," SAP Note 2270544

The changes are described in more detail in the guidelines attached to the related SAP Note 2198647.

You need to make all the ABAP changes. No effects on business processes are expected.

5. SI4: SD_CM 2270544 - Credit Management

Credit Management (FI-AR-CR) is not available as part of SAP S/4HANA. The functional equivalent in SAP S/4HANA is SAP Credit Management (FIN-FSCM-CR).

Analyze the current system. If FI-AR-CR based credit management is active or not.

Indicators for the use of FI-AR-CR Credit Management are as follows:

- If you are using transaction FD31 or FD32 to maintain credit account master data (this data is stored in the KNKK and KNKA tables)
- If you are using transactions VKM1-4 to process sales documents (e.g., releasing blocked sales orders)
- Verify if exposure data is stored and updated continuously in database tables S066 and S067

You then need to convert to FIN-FSCM-CR based credit management.

6. SI7: SD_ANA - Simplification in SD Analytics

Refer to SAP Note 2267348.

You need to analyze this by ABAP team for possible use.

7. SI5: SD_RRn (see Figure 5-119).

 E Latest version 92 of SAP Note 2502552 is implemented. 	1						
 I tems have been skipped for consistency check in total. 							
• 🔲 1 items checked for consistency							
M Check item "SI5: SD_RRn"	11						
 Mighest consistency check return code: 7 	1						
 A Skip-able consistency error found, exemption can be applied to the item in simplification 	1						
• 🛆 item list.	1						
 Check started at 24.12.2021 08:26:03 CET 	1						
 Check class: CLS4SIC_SD_BIL_RA 	1						
 Check ended at 24.12.2021 08:26:03 CET 	1						
 Consistency check running time: 0 seconds 	1						
Consistency check result	1						
Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7.	2						
 Migration from SD Revenue Recognition to Revenue Accounting required. See SAP note 2777486 	1						

Figure 5-119. Consistency check

Check Sub ID: SAP_SD_BIL_RA_CHECK_REVFIX (see Figure 5-120).

Migration from SD Revenue Recognition to Revenue Accounting required. See SAP Note 2777486.

1. Check Sub ID: SAP_SD_BIL_RA_CHECK_REVFIX (Skippable Error)

Error Message: Migration from SD Revenue Recognition to Revenue Accounting required. See SAP note 2777486 No SD Revenue Recognition Lines (VBREVE) with REVFIX = M have been found. Because the flag VBREVE-REVFIX (Fixed Revenue Line Indicator) ist set to "M" during the migration process with FARRIC_OL this means that no data has been migrated.

Figure 5-120. SAP Note 2777486

As per SAP Note 2777486, this is a skippable error.

Warnings

SI5: CT_OM

See Figures 5-121and 5-122.

△ ■ ③ SI5: CT_OM S4TWL - Duplicate request entries in Output Manag... Cross Topics CA-GTF-OC 2679118

Figure 5-121. CT_OM

Consistency check result						
😫 🎲 Gy Technical Information 🚹 Help						
Overview	Nu.					
 Consistency check overall information 	32					
Consistency check performed in system	1					
 Software Update Manager(SUM) mode: No. 	1					
 Check performed in background mode (sy-batch): No. 	1					
 Check started at 18.06.2020 20:28:03 CET 	1					
 Check ended at 18.06.2020 20:28:04 CET 	1					
 Check total run time is 1 seconds 	1					
 Simplification Item Catalog source: Fetched from SAP 	1					
 The simplification item catalog version used for the check was downloaded from SAP at 	1					
 I8.06.2020 17:41:17 UTC 	1					
 Target version: SAP S/4HANA 1909 [02 (05/2020) FP] 	1					
 Latest version 133 of SAP Note 2399707 is implemented. 	1					
 Latest version 76 of SAP Note 2502552 is implemented. 						
 D tems have been skipped for consistency check in total. 						
 I tems checked for consistency 	1					
 A Check tem "SIS: CT_OM" 	17					
 B Highest consistency check return code: 0 	1					
 Check started at 18.06.2020 20:28:04 CET 	1					
Check class: CLS4SIC_APOC_OHEOK_DUPL_ENTR	1					
 A Check class might be out-of-date. Implement latest version of SAP Note 2679118. 	1					
 A Implemented version:. 	1					
 Check ended at 18.06.2020 20:28:04 CET 	1					
Consistency check running time: 0 seconds						
Consistency check result	1					
Check Sub-ID: "CHECK_START", return code = 0 .	2					
Start execution of Class						
Check Sub-ID:"CHK_DUPLICATES_IN_ROOT", return code = 0.						
No duplcate entries in APOC_D_OR_ROOT.						
Check Sub-ID:"CHK_DUPLICATES_IN_ITEM", return code = 0.						
 No duplcate entries in APOC_D_OR_ITEM 						
Check Sub-ID: "CHK_DUPLICATES_IN_ITEM_E", return code = 0.						
 No duplicate entries in APOC_D_OR_ITEM_E. 						

Figure 5-122. Consistency check results

As per Note 2679118, any duplicate entries in the following tables must be deleted:

- APOC_D_OR_ROOT
- APOC_D_OR_ITEM
- APOC_D_OR_ITEM_A
- APOC_D_OR_ITEM_E

Important Checks in FI-GL Before Conversion in the ECC System

You need to conduct SI checks with the /SDF/RC_START_CHECK program via SE38. The Simplification Item check item ID SI1_FI_GL shows checks for the General Ledger (see Figure 5-123).

SAP						
	5 7 M	B	🖾 , 🖽 I 🕼 Check Cor	nsistency for All Ocheck Consistency Details 🖾 Display Consistency	Check Log 🕲 Apply/Revoke Exemp	tion Display Exemption Log
Simp	lification	Item L	ist - SAP S/4HANA 20	20 [02 (05/2021) FP]		
Relevan	ce Last Con	Exempti	ID	Title	Lob/Technology	Business Area
۵		0	SI2: MasterData BP	S4TWL - Business Partner Approach	Database and Data Management	Enterprise Information Managemen
۵	۲	0	SI1: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (Supply Chain	Inventory
0	Δ	0	SIL FIN GL	S4TWL - GENERAL LEDGER	Finance	Accounting and Financial Close
-					-	

Figure 5-123. Simplification item check

After fixing the error, you will see the results in Figure 5-124.

Consistency check result					
🕄 🔞 🗞 Technical Information 📘					
Overview	Nu				
• 🔲 Check ended at 21.11.2021 07:10:28 EST	1	-			
• 📮 Check total run time is 1 seconds	1	-			
• 🗎 Simplification Item Catalog source: Fetched from SAP	1				
 In simplification item catalog version used for the check was downloaded from SAP at 	1				
• 🖬 17.11.2021 07:12:21 UTC	1				
 Target version: SAP S/4HANA 2020 [02 (05/2021) FP] 	1				
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1				
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1				
• 🔲 0 items have been skipped for consistency check in total.	1				
 I items checked for consistency 	1				
Check item "SI1_FIN_GL"	32				
 A Highest consistency check return code: 4 	1				
 Enclosed at 21.11.2021 07:10:27 EST 	1				
Check class: CLS4SIC_FI_GL	1				
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1				
 A Implemented version:90. 	1	33			
 E Check ended at 21.11.2021 07:10:28 EST 	1				
 Example 1 seconds 	1				
 Consistency check result 	1				
A Check Sub-ID:"FI_GL_GENERAL_FI_CO", return code = 4.	3				
A Check Sub-ID:"FI_GL_AGG_SEVERITY", return code = 4.	3				
A Check Sub-ID:"FI_GL_START", return code = 4.	2				
Check Sub-ID:"FI_GL_04", return code = 4.	3				
A Check Sub-ID:"FI_GL_05", return code = 4.	5				
A Check Sub-ID:"FI_GL_34", return code = 4.	3				
A Check Sub-ID:"FI_GL_35", return code = 4.	2				
A Check Sub-ID:"FI_GL_END", return code = 4.	2	•			

Figure 5-124. Consistency Check results

You need to find the potential root cause of the error and resolve it. The SI Check Report is verified in all clients of the system except in 000 and 066, as client 000 is a technical client and client 066 is Early Watch Client. So there is no need to check them.

There are Sub ID of these checks, which you can see in detail in Figure 5-125.

Consistency check result

verview	Nu
Check class: CLS4SIC_FI_GL	1
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 A Implemented version:90. 	1
 Check ended at 21.11.2021 07:10:28 EST 	1
 Consistency check running time: 1 seconds 	1
Consistency check result	1
Check Sub-ID:"FI_GL_GENERAL_FI_CO", return code = 4.	3
 A CO and FI-GL postings are integrated by design in S/4HANA:Reconciliation posting/real-time 	1
 A integration CO-FI is obsolete. 	1
Check Sub-ID:"FI_GL_AGG_SEVERITY", return code = 4.	3
 A Maximum severity of occurred messages for client 300: Warning. See SAP Note 2245333 for 	1
 A possible solutions 	1
Check Sub-ID:"FI_GL_START", return code = 4.	2
• 🛆 Begin of check results for client	1
Check Sub-ID:"FI_GL_04", return code = 4	3
 Activate the company code validation (CO area ES01 / FiscYr 1995) 	1
 Activate the company code validation (CO area HU01 / FiscYr 1997) 	1
Check Sub-ID:"FI_GL_05", return code = 4.	5
 Activate control indicator "All Currencies" (CO area 0MB1 / FiscYr 1990) 	1
 Activate control indicator "All Currencies" (CO area ES01 / FiscYr 1995) 	1
 Activate control indicator "All Currencies" (CO area FR01 / FiscYr 1995) 	1
 Activate control indicator "All Currencies" (CO area PT01 / FiscYr 1995) 	1
Check Sub-ID:"FI_GL_34", return code = 4.	3
 Account determination for transfer of CO postings into FI (transaction OK17) is not called 	1
• 🛆 anymore.	1
A Check Sub-ID:"FI_GL_35", return code = 4	2
A Check Sub-ID:"FI GL END", return code = 4 //	2

Figure 5-125. Consistency Check results

You have to verify all the sub IDs and fix the errors as per SAP specified SAP Note on the screen.

Check 1: Reconcile FI-AA with FI-GL

Transaction: ABST/ABST2

All the differences must be eliminated prior to the conversion process (see Figure 5-126).

Reconcil. prog. FI-AA <-> General ledger / adjustmt posting (Analysis)									
3 8 7 7 2 % 0 8 7 1 8 4 4									
Sc 🕇 Ld	Doc.no.	Peri	Year	Σ 1stLCDelta	2ndLCDelta				
AS DL			2021	11.014,78	11.014,78				
			2021	11.014,78-	11.014,78-				
			2021	855.826,38-	855.826,38-				
			2021	855.826,38	855.826,38				
			2021	1.528,17	1.528,17				
			2021	774.208,47	774.208,47				
			2021	774.208,47-	774.208,47-				
			2021	7.563,10-	7.563,10-				

Figure 5-126. ABST2 results

Check 2: Reconcile Accounts Payables and Accounts Receivables with Main GL using Reports SAPF190/TFC_compare_VZ (see Figure 5-127).

) E	9	80	87.	<u>%</u>		. 🕒			G G/L Acc	s/Suble	dger Accts		
			er Le										
oCode				 D/C	TC Amount	Crcv	LC Amount	Crcv 1	Amnt in GC	Crcv 2	OthCrcyAmt	Crcv 3	Messages
	OL		1			-						-	No differences occurred
	0L		2										No differences occurred
	OL		3										No differences occurred
	OL		4										No differences occurred
	OL		5										No differences occurred
	0L		6										No differences occurred
	0L		7										No differences occurred
	0L		8										No differences occurred
	OL		9										No differences occurred
	0L		10										No differences occurred
_	~												*** diff d

Figure 5-127. TFC_COMPARE_VZ

Check 3: Reconcile MM with GL Programs: RM07MBST/RM07MMFI (see Figure 5-128)

	-	
	Selections	
CoCd		
Materials Crcy	Stock Account Crcy	Variance Crcy
898.627.104,94 EUR	5.764.959,72 EUR	892.862.145,22- EUR
61.624,66 EUR	0,00 EUR	61.624,66- EUR
762.797,70 EUR	0,00 EUR	762.797,70- EUR
20.675.425,84 EUR	0,00 EUR	20.675.425,84- EUR
5.267.704,04 EUR	0,00 EUR	5.267.704,04- EUR
2.577.692.587.55 EUR	3.507.750.00 EUR	2.574.184.837,55- EUR
		5.876.072.564,02- EUR
		12.205,23- EUR
		689.483.705,87- EUR
050.027.041,00 200	1.040.000,50 200	005.405.705,07 258
	CoCd Materials Crcy 000 898.627.104,94 EUR 61.624,66 EUR 762.797,70 EUR 20.675.425,84 EUR	Materials Crcy Stock Account Crcy 000 898.627.104,94 EUR 5.764.959,72 EUR 61.624,66 EUR 0,00 EUR 762.797,70 EUR 0,00 EUR 20.675.425,84 EUR 0,00 EUR 5.267.704,04 EUR 0,00 EUR 2.577.692.587,55 EUR 3.507.750,00 EUR 5.886.709.769,30 EUR 10.637.205,28 EUR 12.797,40 EUR 592,17 EUR

Figure 5-128. Programs RM07MBST/RM07MMFI

Check 4: Reconcile Ledger: Transaction GCAC (see Figure 5-129)

Ledger Comparison: Totals										
Other key figure Me	essages	S 🛛	7 7 2	🏂 🚛 🍕	ا 🕼	X Q. E		H 4	►	H
Comparison of										
Record Type	0									
Base Ledger	00	G/L Accut	Transactio	on Figures						
Base Ledger Version	000	FI planni	ng version	0 ledger 0						
Comparison Ledger	0L	Leading 1	edger							
Comparison Ldgr Ver	s 000									
Fiscal Year	2021									
From Period	1									
To Period	12									
CoCd Account Crcy	Year	BaseLedger	CompLedger	Difference						
List does not con	tain a	ny data								

Figure 5-129. GCAC results

Check 5: Check FI documents with FI balance: F.03/FAGLF03

Conclusions

Typically, conversions, upgrades, and migrations are stressful and frustrating for customers and consultants, as they involve risk in migrating the data from the source to the target system. To avoid risk and to minimize stress, the stakeholders must plan for the preparation and realization phase activities very carefully.

During the discovery phase, there is much to analyze on the source system. This analysis helps you make a list of preparation and realization activities and schedule them for a smoother transition to SAP S/4HANA.

Successful conversion projects are driven by effective planning and preparation of the source system.

CHAPTER 6

Preparation Phase (Preparation for Conversion of SAP ECC Asset Accounting to SAP S/4HANA New Asset Accounting) – Part 2

This chapter provides configuration and other activities to be completed as a part of preparation. This lesson focuses completely on Asset Accounting. Asset Accounting needs special attention, as there are several changes in this module.

In SAP S/4HANA, "New Asset Accounting" is the only Asset Accounting functionality. Classic asset accounting is not available once you move to SAP S/4HANA. You need to complete the basic configuration as a preparation activity for conversion before you execute SUM on the ECC system. The new Asset Accounting activation is at the client level. The Ledger and Account approaches are available after moving to S/4HANA.

SAP ECC to SAP S/4HANA Conversion happens broadly in two phases—the Preparation and Realization phases.

The Software Update Manager (SUM) supports these conversion activities. During the preparation phase, a simplification check is performed to determine the prerequisites for installing SAP S/4HANA.

SUM can be executed only after the prerequisites have been met (that means the SI check should not have any errors). After SUM, you need to prepare for the Conversion cockpit, then the transaction data can be migrated.

Conversion/Migration Scenarios

- 1. Even if you are using classic Asset Accounting on ECC, New Asset Accounting on ECC, or New Asset Accounting on HANA (ECC on HANA), migration to new Asset Accounting on S/4HANA is mandatory.
- 2. If you have never used classic Asset Accounting or new Asset Accounting, but are planning to implement new Asset Accounting on SAP S/4HANA, then the chart of depreciation migration is not needed.
- 3. If you are converting from SAP Simple Finance 1503 or 1605 (that is, Simple Finance 2.0 or Simple Finance 3.0), migration of chart of depreciation is not needed.
- If you are upgrading from 1511 or 1610 or 1709 or 1809 or 1909 or 2020 to 2021 or higher versions (from one version of SAP S/4HANA to higher versions of SAP S/4HANA), migration of chart of depreciation is not needed.
- 5. All charts of depreciation that are assigned to a company code must be migrated. All the data of a company code must be migrated.

EA-FIN Financial Extension

Using the new depreciation calculation engine is mandatory. Refer to SAP Note 1498047 on EA-FIN. If it is not activated in the source system, activate it in Sandbox system and test meticulously (see Figure 6-1).

Business Function Set	•						
Name	Description	Planned Status	Dep	Doc	Rele		
• 🗅							
 ENTERPRISE_EXTENSIONS 	Enterprise Extensions						
 · · ·	Compatible Units		6	6	0		
 · · ·	Web Service Monitoring						
• 👌 EA-CP	Consumer Products						
• 👌 EA-DFP	DefenseForces&PublicSecurity			6			
· ALEA-FIN	Financials Extension Business function remains switch						

Figure 6-1. EA-FIN activation

It is important to note that before the installation of the SAP S/4HANA, you must activate the Financials Extension (EA-FIN). If you need to activate the extension EA-FIN, refer to SAP Note 965032 before you activate it.

- 1. Create a test system with your production data.
- 2. Execute program RAAFAR00 in the test run first to make sure data in the old depreciation calculation is consistent (see Figures 6-2 to 6-4).

ABAP	P Edito	r: Init	ial Screer	7		
6 🕴	🕒 🕂 ë	•	î 🗅 🕅	Debugging	🕀 With Variant	🔁 Variants
Program	R	AAFAR00		ja	Create	
Subobjec	ts					

Figure 6-2. ABAP Editor: Initial screen

Recalculate Depreciation	
(b) 1	
Company code	🕽 to 📄 🕏
Main asset number	to 🖻
Asset Subnumber	to 🕒
Account group (w/leading 0's)	to 😒
Depreciation area	to 📄
FROM fiscal year	
List assets	
✓ Test run	
Server group	
Value difference over limit	
Layout	

Figure 6-3. Recalculate deprecation

Recalculate Depreciation						
3 🗂 🎝 📑 🗟 🔺 🔻 🏹 🛣 🕼 😫	45 🖪 📅 🔍	lb 🎟 🖷	-	1	æ	
Recalculate Depreciation TES	TRUN					
CoCd Year Area Acct.det Asset description	Dep. Type	Σ	Old 2	Σ	New	Σ
T E S T R U N Contains errors - see error log	/					

Figure 6-4. Program RAAFAR00

- 1. Analyze and fix the errors before you execute the update run. Refer to SAP Note 965032.
- 2. If all of the differences have been fixed, you can execute RAAFAROO in the update run.
- 3. Activate EA-FIN. Note that this activation can no longer be undone. Refer to SAP Note 1121965 before activating.
- 4. Test your business processes.

- 5. Refer to SAP Note 1025126.
- 6. If all the business processes are working as desired, you can perform the same steps in the production system.

Before moving to SAP S/4HANA, you have to make sure all the prerequisites for new Asset Accounting are met. This is one of the requirements for moving to SAP S/4HANA.

Example 2 Preparation Activity

Periodic asset postings, currencies:

- 1. Based on the source system functionality, verify if you have to execute the program RAPERB2000. Make sure that all the errors can be rectified. After conversion, this program is no longer available.
- 2. In the Source system, you might be having entries on OB22. Verify if you have implemented the corresponding parallel currency areas in Asset Accounting. If not, define additional depreciation areas for Group currencies.

In this example, we have two currencies for one company code: the Local Currency and the Global Currency (see Figure 6-5).

ompany Code Settings	for the Ledger		
Company Code Setting	5		
Fiscal Year Variant	Cal. Year, 4 Special Periods		
	Variant 1710	A secondaria a Daia sista	LG
Pstng period variant	Valiant 1/10	Accounting Principle	
Pstng period variant	Valance 1/10	Functional Currency	10 Company Code Currency (USD - US Dollar)
Pstng period variant Parallel Accounting U			
	Ising G/L Accounts		

Figure 6-5. Ledger to company code

The ledger is 0L assigned to GAAP. The chart of depreciation must have two depreciation areas (see Figure 6-6).

Cint	inge ne	Denne De	epreciation Areas":	0.01					
9	1 🗈 🖬	∞ B B B B	C Set: Change Field Values [2					
hart o	f dep.	1710 Chart of De	preciation 1710			ĺ			
Defir	ie Depreciat	ion Areas							
		ion Areas epreciation Area		Real	Trgt Group	Acc.Princ.	G/L		[
		epreciation Area		Real	Trgt Group	Concentration of	G/L Area Posts in Real Time	•	[

Figure 6-6. Depreciation area

Book depreciation posts in real-time and group depreciation does not post. This is only for reporting purposes.

• Make sure that no update terminates from direct postings in the system (see Figure 6-7).

Update Request	ts							
🛐 🔉 🕒 🕒 Repeat Upd	iate î	🕒 🔀 Mo	dules 🚺 🛛	8	719	37	6	T
0 Update	records	found						
Cint User	Date	Time	TCODE	I n	f	D		Status

Figure 6-7. Update requests

Perform a complete period-end closing in Asset Accounting for the previous period to be closed. Execute the periodic depreciation posting run (RAPOST2000).

Reconcile your general ledger with the Asset Accounting subsidiary ledger, both for your leading valuation and for parallel valuations (see Figures 6-8 and 6-9).

Reconcil. program	• FI-AA <-> G/L: Li	st of accounts show	ving differences
(b) (b) 🚺			
Company codes		to	\$
Layout			

Figure 6-8. Reconcil. program

	SAP	,		
(& 🚯	1		
1	🔄 En	ror lis	t: Display messages	×
	Тур	Ite	Message text	LTxt
			Differences between assets and G/L accts in the balance carried forwa 52 records read from table EWUFIAASUM	@
	∕	2%	<u>r</u> Technical Information	0 🗖 1 🚺 🗙

Figure 6-9. RAPOST2000

Execute the periodic APC postings (RAPERB2000) completely and without errors; a current timestamp must be set (see Figure 6-10).

Depreciation Posting	Depreciation Posting Run for company code 1000					
2 C A 7 7 1 2 % C) 🗐 🖑 🕼 🗑 🖗 🥼 🖩 🌐 🖷 🖬 🕼	- A 3				
	TESTRUN					
Posting date ·	Nate created: 17 11 2021	Period: 0000/000/00				
Status Seq. No. Ref. Document	Σ Planned Amount Σ Amount Posted Σ Amount TBP	Σ Cumul.Posted Amt				
TESTRUN was terminate	ed Refer to the error log					
▲ No documents were created						

Figure 6-10. RAPERB2000

All periodic APC postings must be completed before SUM (see Figure 6-11).

Periodic Asset Postings
Parameter
Company Code
✓List assets
✓ List Direct Items
Layout
Test Run Specific.
☑ Test Run
Main Asset Number to
Asset Subnumber to
Posting Control
O Restart posting run

Figure 6-11. Periodic Asset postings

The migration must take place at a time when only one fiscal year is open in Asset Accounting. If not, the system throws an error message, as prerequisites are not met for conversion (see Figure 6-12).

Date/Time/User	Nu	External ID	Object text	Sub-object text	Transac	Program	Mode	Log numbe
17.11.2021 09:30:26	2	RASFIN_MIGR	Fixed Assets A	Miscellaneous	SE38	RASFIN_M	Dialog pro	\$000002
 Problem class Very Important 	1							
 Problem class Medium 	1							
	1921	na na						
	 <u>%</u> _	10.0	. 🎟 💿 🖉	1 4 0 0 1				
<u>&^。</u> 日マはほうす。 2013 T., Message Text	1 1 1 1 1 1 1 1 1	60.6	. 🌐 🍘 🖉	1 🛆 0 🕒 1		LTxt		
			. 🎟 🔯 🕷	1 4 0 1		LTxt		

Figure 6-12. Display logs – RASFIN_MIGR_PRECHECK

The same appears as an error in the Simplification Item Check Report (see Figures 6-13 and 6-14).

5	AP				
	3 A	786	8 B 1	🛛 🔎 🔯 🕽 🖽 🛛 🕀 Check Consistency fo	or All 🕒 Check Consistency Details 🖃 Display C
	Simplif	ication	Item L	ist - SAP S/4HANA 2020 [02	(05/2021) FP]
B	Relevance	Last Con	Exempti	ID	Title
	Δ	(11)	۲	SI2: MasterData BP	S4TWL - Business Partner Approach
	Δ	(11)	8	SI3: HR LEARN	S4TWL - SAP Learning Solution
	Δ)	8	SI1: Logistics MM-IM	S4TWL - DATA MODEL IN INVENTORY MANAG
	Δ	X	Δ	SI1 FIN GL	S4TWL - GENERAL LEDGER
	Δ	X	8	SI2: FIN AA	S4TWL - ASSET ACCOUNTING
	Δ	Ø	8	SI2: Logistics PP-MRP	S4TWL - Storage Location MRP

Figure 6-13. SAP Simplification Item List

Target version: SAP S/4HANA 2020 [02 (05/2021) FP]	1
Implemented version 147 of SAP Note 2399707 is not up to date.	1
Implemented version 90 of SAP Note 2502552 is not up to date.	1
0 items have been skipped for consistency check in total.	1
1 items checked for consistency	1
💓 Check item "SI2: FIN_AA"	11
 Mighest consistency check return code: 8 	1
 Check started at 17.11.2021 04:32:04 EST 	1
Check class: CLS4SIC_FI_AA	1
 Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 	1
 Check ended at 17.11.2021 04:32:05 EST 	1
 Consistency check running time: 1 seconds 	1
 Consistency check result 	1
Check Sub-ID: "FI_AA_CUST_FISCYEAR", return code = 8.	2
 CoCd Fiscal year 2020 is not yet closed - See note: 2618023 	1

Figure 6-14. Simplification Item Check and Consistency check results

Verify which fiscal year is closed in your company code in Customizing for Asset Accounting under Preparations for Going Live. Choose SPRO > Financial Accounting (New)> Asset Accounting > Preparing for Production Startup > Tools Reset Year-End Closing. Reset year-end closing per company code (see Figure 6-15).

Change View "Remove	Year-End Closing for Company Code": Overview
≫ ∞ B B B	
CoC Closed fiscal year	

Figure 6-15. Year-end closing

You need to close the fiscal year 2020 and keep 2021 open. Close all the fiscal years except the current fiscal year. Lock the asset accounting via OB52 (posting periods) to avoid further asset transactions. Refer to SAP Note 2406313 for any deactivated company codes.

Even status "Company code deactivated - later reporting allowed" does not work here. This status normally means that all fixed assets are deactivated, a year-end closing has been performed for all fiscal years of the company code, and the company code is deactivated. This is often not the case.

As per SAP Note 2406313, if a company code has the status "Company code deactivated - later reporting allowed," this means that the company code has been deactivated from the point of view of Asset Accounting. This means that, among other things, the following conditions are met:

- All assets of the company code are deactivated.
- A year-end closing has been performed for all fiscal years of the company code.
- The company code is deactivated. (Customizing activity: Financial Accounting (new) ➤ Asset Accounting (new) ➤ Preparations for Going Live ➤ Production Startup ➤ Activate Company Code")

SAP Note 2406313 Shows Two Alternatives

Alternative 1: Archiving No Migration (Conversion)

We recommend that you archive all Asset Accounting-relevant data of the company code. You must execute archiving before the technical upgrade, still on SAP ERP 6.0. To fully archive all data of a company code, proceed as described in SAP Note 2154712. A migration of the chart of depreciation is not required if all of the data of the assigned company codes is archived.

Alternative 2: Manual Migration of Chart of Depreciation and Migration of Transaction Data

Alternatively, you can migrate the chart of depreciation manually and then migrate the transaction data of the company code. For technical reasons, only the current fiscal year can be open for a migration. Any fiscal years preceding it must be closed. This is possible only if you have also deactivated the company code and have ensured that the conditions described previously have been met. Otherwise, you cannot meet the technical condition required for the migration, which is to carry forward the year-end closing.

As a general rule, it is not possible and not recommended to automatically migrate the chart of depreciation, since this is based on old (outmoded) customizing settings. Proceed as follows:

- 1. Migrate the chart of depreciation manually (for more information, see the Migration Guide in the application documentation).
- 2. Change the status of the company code in Asset Accounting, since status 3 (Company code deactivated later reporting allowed) is not allowed for the migration.

Change the status in customizing for Asset Accounting (new) at Preparations for Going Live ➤ Production Startup ➤ Activate Company Code.

- 3. Migrate the documents of the company code.
- 4. Following the successful migration of the company code, change the status of the company code back again. This ensures that in the future, further posts to the company code cannot be made.

Refer to the SAP Note for further information.

Checking the Prerequisites Before Starting SUM for Conversion

Before SAP S/4HANA 1809, we used to execute precheck reports for Asset Accounting RASFIN_MIGR_PRECHECK. Refer to the SAP Note 1939592. The later Simplification Item Check Report includes these Asset Accounting checks. Both show the same results (see Figures 6-16 to 6-18).

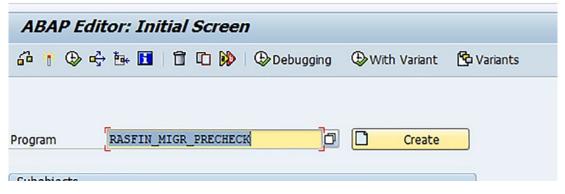


Figure 6-16. Precheck

Check of Prerequisites fo	r FI-AA Migration
⊕ ∐	
Target Release in SAP Simple Finance	
○SAP Simple Finance Add-On ●SAP Simple Finance / SAP S/4H	SAP Simple Finance Add-On for SAP Business Suite powered by SAP HANA SAP Simple Finance, On-Premise-Edition / SAP S/4HANA Finance and Highe

Figure 6-17. Prerequisites for FI-AA migration

Date/Time/User	Nu	External ID	Object text	Sub-object text	Transac	Program
16.11.2021 08:27:34 16.11.2021 08:27:34 16.11.2021	14	RASFIN_MIGR	Fixed Assets A	Miscellaneous	SE38	RASEIN
Problem class Very Important	13					
 A Problem class Important 	1					
	10071					
«·· (A) 7 (6) (8) (8) . (2) .	<u>%</u>	B. 6. B	. 🌐 😰 🖉	13 🛆 1 🖪 0		
T Message Text			. 🆽 😰 🖉	13 🛆 1 🗖 0		LTxt
T. Message Text The prerequisites for new Asset Ac	counti	ng are not met		13 🛆 1 🛢 0		LTxt
T Message Text	counti	ng are not met		13 🛆 1 🗖 0		
T. Message Text The prerequisites for new Asset Ac	counti is not	ng are not met set for gross trans	fer posting	13 🛆 1 🗖 0		3
T Message Text The prerequisites for new Asset Ac Deprec. area 01 in ch.of dep.	is not not acti	ng are not met set for gross trans ive in chart of depr	fer posting eciation	13 🛆 1 🔲 0		9
 The prerequisites for new Asset Ac Deprec. area 01 in ch.of dep. Ledger defined in CoCd 	is not not action	ng are not met set for gross trans we in chart of depr we in chart of dep	fer posting eciation	13 🛆 1 🔲 0		3

Figure 6-18. RASFIN_MIGR_PRECHECK

You can also use report /SDF/RC_START_CHECK Simplification Item-Check (SI-Check) (see Figures 6-19 and 6-20).

5	AP					
					sistency for All Check Consistency Details Display	Consistency Check Log
	Simplif	ication	Item L	ist - SAP S/4HANA 20	20 [02 (05/2021) FP]	
	Relevance	Last Con	Exempti	ID	Title	Lob/Tech
	Δ	X	۵	SI1 FIN GL	S4TWL - GENERAL LEDGER	Finance
	Δ	Ø	۵	SI2: FIN AA	S4TWL - ASSET ACCOUNTING	Finance
	0		-	CT2: Logistics DD MDD	CATINE Champed Location MDD	Line of the

Figure 6-19. Simplification Items List

Verview	Nu
Q Highest consistency check return code: 8	1
 Consistency error found. To skip the error, create an exemption for it after other errors 	1
 A have been resolved. 	1
 Check started at 16.11.2021 04:50:54 EST 	1
Check class: CLS4SIC_FI_AA	1
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 A Implemented version:90. 	1
 Check ended at 16.11.2021 04:50:55 EST 	1
 Consistency check running time: 1 seconds 	1
 Consistency check result 	1
Meck Sub-ID:"FI_AA_CUST_DEPRCHART", return code = 8.	6
Ocheck Sub-ID: "FI_AA_COMPONENTS", return code = 7.	3
Check Sub-ID:"FI_AA_CUST_LEDGER", return code = 8.	13
 Q Ledger IF defined in CoCd is not active in chart of depreciation 	1
• @ 2618023	1
 Q Ledger LL defined in CoCd is not active in chart of depreciation See note: 	1
• 🔘 2618023	1
 A Ledger TX defined in CoCd is not active in chart of depreciation 	1
• 🙋 2618023	1

Figure 6-20. Simplification Item List

The Asset Accounting element ID SI2 FIN_AA (which you can see in Figure 6-20) shows the checks for Asset Accounting.

We can also see some additional information in the error message itself. Refer to SAP Note 2618023 for reasons and to see how to fix the error.

Figures 6-21 and 6-22 show an example of fixing some of the error messages from the SI check report.

Check Item "SI2: FIN_AA"

Sub ID - FI_AA_ASSETCLASS

Consistency check result			
🕻 😧 Gr Technical Information 📘			
verview		Nom	A V M & V. I
 Check ended at 16.11.2021 		1	
 Consistency check running t 	me: 1 seconds	1	- O0 00 00
 Consistency check result 		1	Type Message Text
 Check Sub-ID: 'FLAA_OUST 		6	
 Check Sub-DCFE_AA_CONS 		3	
 Check Sub-ID: "TLAA_CUST 		19	
 Check Sub-ID: "TLAA_CUST 		7	
 Check Sub-ID: TLAA_OUST 		2	
· Oreck Sub-DO'FE AA ASSE		43	
	A cry area 34 of area not active in asset cl.9000 - See note:	1	in l
· · · 2618023		1	
	A cry area 35 of area not active in asset cl.9000 - See note:	1	
· 2616023		1	
	A cry area 36 of area not active in asset cl.9000 - See note:	1	
 2618023 		1	
	A cry area 34 of area not active in asset cl.9000 - See note:	1	
 2618023 		1	
	A cry area 35 of area not active in asset cl.9000 - See note:	1	U
 2616023 		1	
	L cry area 36 of area not active in asset cl.9000 - See note:	1	
 2618023 		1	
	A cry area 34 of area not active in asset cl.9000 - See note:	1	
 2616023 		1	
	A cry area 35 of area not active in asset cl.9000 - See note:	1	
 2616023 		1	
	A cry area 36 of area not active in asset cl.9000 - See note:	1	
 2616023 		1	
 Chart of dep. Part 	A cry area 34 of area not active in asset cl.9000 - See note:	1	*

Figure 6-21. Consistency Check results

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Determine Depreciation Areas in the Asset Class

T-code: OAYZ

Figure 6-22 shows it before the changes.

7 9 00 2 2 2 2								
Dalog Structure	Asset Class							
Asset class Gl Depreciation areas	Chart of dep.							
	Ar. Dep. area	Deact	DepKy	Use	Per	Index	Layou	
	01Book deprec.	- E	0000	0	0		1000	-
	10,	Ő	M200	0	0		1000	
	11)	0		0	0		1000	-
	12)	0		0	0		1000	
	131			0	0		1000	
	14Book deprec.	0		0	0		1000	
	15Book deprec.	0		0	0		1000	
	16Book deprec.			0	0		1000	
	30 Group USD			0	0		1000	
	31 Group Curr	0		0	0		1000	
	328kDep(g.cur)	0		0	0		1000	
	34 Group USD	8					1000	
	35Group USD	8					1000	
	34 Group USD						1000	
	40SMACRS	0		0	0		1000	
	80 Insurance	0		0	0		1000	
				-				

Figure 6-22. Depreciation area

Figure 6-23 shows it after the changes.

794888 8								
Dalog Structure Daset class								
Ci Deprecation areas	Chart of dep.							
	Ar. Dep. area	Deact	ОерКу	Use	Per 2	dex	Layou	
	01Book deprec.	8					1000	-
	10/	0		0	0		2000	
	11/	0		0	0		1000	
	12/	0		0	0		1000	
	138	0		٥.	0		2000	
	14Book deprec.	۲		0	0		1000	
	15Book deprec.	S(S)S		0	0		1000	
	16Book deprec.	8		0	0		1000	
	30Group USD						1000	
	31 Group Curr	۲					1000	
	32BkDep(g.cur)	۲					1000	
	34 Group USD	۲					1000	
	35 Group USD						1000	
	34 Group USD	8					1000	
	405944085	8					1000	
	803naurance	0	0000	0	0		1000	
				_		_		

Figure 6-23. Depreciation area

After Corrections, Sub ID - FI_AA_ASSETCLASS is no longer displayed (see Figure 6-24).

Vendew	Num	
• O Check started at	No.	(AV) (7. 1
Oreck ended at	1	- DO DO 40 DO
Oreck total run time is 0 seconds	1	Type Message Text
Smolfcaton Item Catalog source: Fetched from SAP	1	Libe weight ser
The simplification item catalog version used for the check was downloaded from SAP at	1	
 Tarpet version: SAP 5/4HANA 2020 [02 (05/2021) FP] 		
 A prolemented version 147 of SAP Note 2090707 is not up to date. 	1	
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1	
 	1	
O 1 tems checked for consistency	i	
Oreck tem "SID: FPL AA"	48	
Ø Highest consistency check return code: 8	1	
 Consistency error found. To skp the error, create an exemption for it after other errors 	1	
 A have been resolved. 	1	
Oreck started at	1	
Oveck class: 0.5453C_FL_AA	1	
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1	
 A Implemented version:90. 	1	
 D Check ended at 1 	1	
 Consistency check running time: 0 seconds 	1	
Consistency check result	1	
Oheck Sub-ID: "FL_AA_OUST_DEPROHART", return code = 8.	6	
 Oheck Sub-3D:"FI_AA_COMPONENTS", return code = 7. 	3	
 Oheck Sub-3D:"FI_AA_CUST_LEDGER", return code = 8. 	19	
 Oheck Sub-ID:"FL_AA_OUST_DEPRAREA", return code = 8. 	7	
 Oneck Sub-ID:"FI_AA_OUST_FISCYEAR", return code = 8. 	2	

Figure 6-24. Consistency Check results

Sub ID - FI_AA_CUST_LEDGER (see Figure 6-25).

🗓 😡 4/* Technical Information 🛛 🚺		
verview	Nam	@ AVN 13 7. 2.5. 20.2.
 Oheck tem "SI2: FIN_AA" 	48	•
 Ø Highest consistency check return code: 8 	1	
 Consistency error found. To skip the error, create an exemption for it after other errors 	1	Type Message Text
 A have been resolved. 	1	
Check started at	1	
Check class: 0L5453C_FL_AA	1	
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1	
 A Implemented version:90. 	1	
Oheck ended at	1	
 Consistency check running time: 0 seconds 	1	
Onsistency check result	1	
Oheck Sub-ID: "FL_AA_CUST_DEPROHART", return code = 8.	6	
 Oheck Sub-ID: "FL_AA_COMPONENTS", return code = 7. 	3	
Oneck Sub-ID:"FL_AA_CUST_LEDGER", return code = 8.	19	-
G Ledger 5 ^o defined in CoCd 2 is not active in chart of depreciation 2 - See note: G 2618022	1	
 Ø Ledger LL defined in CoCd : I is not active in chart of depreciation 2) - See note: Ø 2618023 	1	
German See note: Germ	1	
G Ledger & defined in CoCd : is not active in chart of deprecation : See note: G 2618023	1	
 Ø Ledger LL defined in CoCd : "" is not active in chart of depreciation : - See note: Ø 2618023 	1	U.
 Dedger TX defined in CoCd 2::: is not active in chart of depreciation 7::) - See note: 2618023 	1	
 Ø Ledger Ø defined in CoCd 1 is not active in chart of depreciation (****) - See note: Ø 2618023 	1	0

Figure 6-25. Consistency Check Results

Correction Action

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Organizational Structure ➤ Copy Reference Chart of Depreciation/Depreciation Areas

T-code: OADB (see Figure 6-26).

art					
	of dep. 1710 Chart of Depreciation 1710				
Defi	ne Depreciation Areas				X. M.
Ar.	Name of Depreciation Area	Real	Trgt Group	Acc.Princ.	G/L
1	Book Depreciation	Image: A state of the state	OL	USAP	l Area Posts in Real Time 🔹 💌
31	Local GAAP in group currency	v	OL	USAP	0 Area Does Not Post 🔹
32	IFRS in local currency	•	2L	IFRS	l Area Posts in Real Time 💌
33	IFRS in group currency	•	2L	IFRS	0 Area Does Not Post 🔹
90	Federal Tax ACRS/MACRS		OL	USAP	0 Area Does Not Post 🔹
90	Alternative Minimum Tax		OL	USAP	0 Area Does Not Post 🔹
	Alternative Minimum Tax				
90 91 92	Adjusted Current Earnings	•	OL	USAP	0 Area Does Not Post 🔹

Figure 6-26. Define depreciation area

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Depreciation Area ➤ Specify Transfer of APC Values

T-code: OABC (see Figure 6-27).

Chan	ge View "Depreciation a	areas: Rules fo	r value t	aked	over": Overview
2 🖒					
art of d	lep. 1710 Chart of Depreciat	tion 1710			
Ar. I	Name of Depreciation Area		ValAd	Id [
018	Book Depreciation		00		•
31L	ocal GAAP in group currency		01		•
321	FRS in local currency		00		
331	FRS in group currency		32	\checkmark	
90F	ederal Tax ACRS/MACRS		01		
91/	Alternative Minimum Tax		90	\checkmark	
92/	Adjusted Current Earnings		90	\checkmark	
930	Corporate Earnings & Profits		90		

Figure 6-27. Specify transfer of APC values

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Valuation ➤ Depreciation Area ➤ Specify Transfer of Depreciation Terms

T-code: OABD (see Figure 6-28).

Ar. Name of depreciation area	TTr	Identica	
12Adjusted Current Earnings (0L- LC)			•
13Corporate Earnings & Profits(0L- LC)			*
14 (LL- LC)			
15 (IF- LC)			
16 (TX- LC)			
30Book Dep Group Currency (0L- GC)	01	•	
31Consolidated bala sh group currency (0L- LC)	01		
32 Consolidated B/S in LC (0L-LC)	01	•	1
34 (0L- GC)	14		
35 (IF- GC)	15		
36 (TX- GC)	16		
40 State modified ACRS (0L- LC)			v

Figure 6-28. Specify transfer of APC values

Sub ID - FI_AA_CUST_DEPRCHART (see Figure 6-29).

lverview	Nu.
The simplification item catalog version used for the check was downloaded from SAP at	1
• 11.11.2021 06:43:22 UTC	1
 Target version: SAP S/4HANA 2020 [02 (05/2021) FP] 	1
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1
 Items have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
Ø. Check item "SI2: FIN_AA"	47
• 💓 Highest consistency check return code: 8	1
 A Consistency error found. To skip the error, create an exemption for it after other errors 	1
 A have been resolved. 	1
 Check started at 16.11.2021 05:56:10 EST 	1
Check class: CLS4SIC_FI_AA	1
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 A Implemented version:90. 	1
 Check ended at 16.11.2021 05:56:11 EST 	1
 Consistency check running time: 1 seconds 	1
 Consistency check result 	1
Check Sub-ID:"FI_AA_CUST_DEPRCHART", return code = 8.	6
 M Invalid assignment of chart of depreciation ODE to company code 0001 - See note: 2618023 	1
 M Invalid assignment of chart of depreciation ODE to company code RECO - See note: 2618023 	1
 M Invalid assignment of chart of depreciation ODE to company code REOB - See note: 2618023 	1
 M Invalid assignment of chart of depreciation ODE to company code RERF - See note: 2618023 	1
 Maintoin and the state of the s	1

Figure 6-29. Consistency check result

Path: /nspro ➤ Financial Accounting ➤ Asset Accounting ➤ Organizational Structure ➤ Assign Chart of Depreciation to Company code.

T-code: OAOB

Figure 6-30 shows before the changes.

Chai	nge View "Maintain	company	y code in Asset Accountin	g": Overview
0				
CoCd	Company Name	Chrt dep	Description	
0001	SAP A.G.	7		^
0003	SAP US (IS-HT-SW)			-
0MB1	IS-B Musterbank Deutschl.			
1710	Company Code 1710	1710	Chart of Depreciation 1710	

Figure 6-30. Assign chart of depreciation to company code

Figure 6-31 shows after the changes.

Char	Change View "Maintain company code in Asset Accounting": Overview						
% 🖒							
CoCd	Company Name	Chrt dep	Description	11			
TR01	Country Template TR	ſ	0	*			
TW01	Country Template TW			*			
UA01	Country Template UA						
US01	Country Template US						
VE01	Country Template VE						
ZA01	Country Template ZA						

Figure 6-31. Assign chart of depreciation to company code

Sub ID - FI_AA_CUST_DEPRAREA (see Figures 6-32 and 6-33).

rview	Nu	
Check Sub-ID:"FI_AA_CUST_DEPRAREA", return code = 8.	25	
 Ø Deprec. area 01 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 13 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 14 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 15 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 01 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 13 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 14 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 15 in ch.of dep. 2000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 01 in ch.of dep. 5000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 13 in ch.of dep. 5000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 14 in ch.of dep. 5000 is not set for gross transfer posting - See note: Ø 2618023 	1	
 Ø Deprec. area 15 in ch.of dep. 5000 is not set for gross transfer posting - See note: Ø 2618023 	1	
Check Sub-ID:"FI_AA_CUST_FISCYEAR", return code = 8.	2	
 CoCd 1000: Fiscal year 2020 is not yet closed - See note: 2618023 	1	

Figure 6-32. Consistency check result

T-code: OABE

Figure 6-33 shows it before changes.

	nge View "Depreciaton areas: Gros	•
of	dep. 1710 Chart of Depreciation 1710	
Ar.	Name of Depreciation Area	GrossTr
01	Book Depreciation	
31	Local GAAP in group currency	
32	IFRS in local currency	
33	IFRS in group currency	
90	Federal Tax ACRS/MACRS	
91	Alternative Minimum Tax	
92	Adjusted Current Earnings	
~~	Corporate Earnings & Profits	

Figure 6-33. Gross Asset Transfer

Figure 6-34 shows after the changes.

of	dep. 1710 Chart of Depreciation 1710		
r.	Name of Depreciation Area	GrossTr	
	Book Depreciation		
31	Local GAAP in group currency		
32	IFRS in local currency		
33	IFRS in group currency	v	
90	Federal Tax ACRS/MACRS	v	
91	Alternative Minimum Tax	V	
92	Adjusted Current Earnings		
93	Corporate Earnings & Profits	V	

Figure 6-34. Gross asset transfer

Sub ID - FI_AA_COMPONENTS (see Figure 6-35).

🕄 😰 松 Technical Information 🚹	
Overview	Nu
 A Implemented version 147 of SAP Note 2399707 is not up to date. 	1
 A Implemented version 90 of SAP Note 2502552 is not up to date. 	1
 Items have been skipped for consistency check in total. 	1
 I items checked for consistency 	1
Meck item "SI2: FIN_AA"	25
 Highest consistency check return code: 8 	1
 Consistency error found. To skip the error, create an exemption for it after other errors 	1
 A have been resolved. 	1
 Check started at 16.11.2021 10:34:54 EST 	1
 Check class: CLS4SIC_FI_AA 	1
 A Check class might be out-of-date. Implement latest version of SAP Note 2502552. 	1
 	1
 Check ended at 16.11.2021 10:34:54 EST 	1
 Consistency check running time: 0 seconds 	1
 Consistency check result 	1
Check Sub-ID:"FI_AA_COMPONENTS", return code = 7.	3
 Ø FI-AA (new) is not compatible with old deprec. calculation; see long text - See note: 	1
• 💓 2618023	1
Check Sub-ID:"FI_AA_CUST_DEPRAREA", return code = 8.	9
 Ø Deprec. area 01 in ch.of dep. 5000 is not set for gross transfer posting - See note: 	1
• 🖉 2618023	1
 Ø Deprec. area 13 in ch.of dep. 5000 is not set for gross transfer posting - See note: 	1
• 🖉 2618023	1
 Deprec. area 14 in ch.of dep. 5000 is not set for gross transfer posting - See note: 	1
• 🖉 2618023	1
 Deprec. area 15 in ch.of dep. 5000 is not set for gross transfer posting - See note: 	1
• 🖉 2618023	1
Check Sub-ID:"FI_AA_CUST_FISCYEAR", return code = 8.	2

Figure 6-35. Consistency check results

T-code: SFW5

The EA-FIN should be active (see Figure 6-36).

ness Function Set	*									
me	Description	Planned Status	Den	Doc	Rele	Softwarekomoon	Rele	Anwendungskompone	SAP	Test
<u> </u>			ocpin	oveni	The sector	our charge and a	Tresenti		C. II III	1000
ENTERPRISE EXTENSIONS	Enterprise Extensions									
• & /сим/мар	Compatible Units	0	4	0	0	EA-APPL	602	PM-WOC-MO		
· & /SDF/WS MON	Web Service Monitoring					ST-PI		SV-SMG-DIA	-	
· & EA-CP	Consumer Products	ă				EA-APPL	600	SD		
· & EA-DFP	DefenseForces&PublicSecurity	ă		0		EA-DFPS		IS-DF5		
· C EAFIN	Financials Extension	Business function remains switch		ŏ		EA-APPL	600	FI		
· & EA-FRC	FERC: Regulatory Reporting			-		EA-APPL	600	FL		
· & EA-FS	Financial Services	Business function remains switch		0		EA-FINSERV		TR		
· & EA-GLT	Global Trade Management			-		EA-GLTRADE		LO-AB		
• & EA-HR	Human Capital Management	õ		0		EA-HRRXX	600	PA-PA		
 В ЕА-ІСМ 	Incentive and Sales Force Mgmt.	ŏ		-	0	EA-APPL	600	ICM		
· & EA-ISE	Industry-Spec, Sales Enhancement	ñ			-	EA-APPL	600	SD		
· O EA-PLM	PLM Extension	Business function remains switch		0		EA-APPL	600	PLM		
· & EA-PS	Public Services			-		EA-PS		PSM		
· & EA-RET	Retail	ň		0		EA-RETAIL		LO-ISR-SWT		
· : () EA-SOM	SCM Extension	Business function remains switch		-		EA-APPL	600	PP		
· O EA-TRV	Travel Management Extension	Business function remains switch		0		EA-HRGXX	600	FI-TV		
- & JVA	Joint Venture Accounting			ŏ		EA-APPL	600	CA-JVA		
ENTERPRISE BUSINESS FUNCTIONS	Enterprise Business Functions			-						

Figure 6-36. EA-FIN is active

An Overview of the SAP Asset Accounting Migration Flow

As the first step of conversion, you should check if the prerequisites for the migration to new Asset Accounting have been met. If not, you need to do them manually. Here are the steps are to be considered for adjusting the chart of depreciation.

- Financial Accounting (New) ➤ Asset Accounting ➤ Organizational Structure ➤ Assign Chart of Depreciation to Company Code. This step is to verify assignment.
- 2. To verify currencies and accounting principles to the ledger/ company code, use the following steps.
- 3. SPRO: Financial Accounting (New) ➤ Financial Accounting Global Settings (New) ➤ Ledgers ➤ Ledger.
- 4. Which parallel currency areas are assigned for the accounting principles in your depreciation area?
- SPRO: Financial Accounting (New) ➤ Asset Accounting ➤
 Valuation ➤ Depreciation Areas ➤ Define Depreciation Areas.
- 6. Check the transfer of APC values for your parallel currency areas.

- CHAPTER 6 PREPARATION PHASE (PREPARATION FOR CONVERSION OF SAP ECC ASSET ACCOUNTING TO SAP S/4HANA NEW ASSET ACCOUNTING) PART 2
 - 7. SPRO: Financial Accounting (New) ➤ Asset Accounting
 ➤ Valuation ➤ Depreciation Areas ➤ Specify Transfer of APC Values:
 - a) Check the copy rules for depreciation terms for your parallel currency areas.
 - b) SPRO: Financial Accounting (New) ➤ Asset Accounting
 ➤ Valuation ➤ Depreciation Areas ➤ Specify Transfer of Depreciation Terms.
 - c) Check the currencies that are assigned to your depreciation areas.
 - d) SPRO: Financial Accounting (New) ➤ Asset Accounting ➤
 Valuation ➤ Currencies ➤ Define Valuation Areas for Foreign Currencies.
 - e) Check the currency types/valuations that are assigned to your depreciation areas.
 - f) SPRO: Financial Accounting (New) ➤ Asset Accounting ➤
 Valuation ➤ Currencies ➤ Specify the Use of Parallel Currencies.
 - 8. Perform period-end closing:
 - a. Need to lock the system and users to avoid postings during migration
 - b. Execute period-end closing for the previous month in Asset Accounting.
 - c. Reconcile the general ledger with the Asset Accounting.
 - 9. Check the prerequisites automatically:

Run Simplification Item Checks (SI checks) to check the prerequisites for conversion. Ask the consultant to take a backup.

- 10. Then run SUM to install SAP S/4HANA.
- 11. After SUM, run the following steps (see Figure 6-37).

D ¹					
Display .	IMG				
रु 👪 🖻	Existing BC Sets	${\mathbin{\circledast}}{\!$	\mathcal{R} Activated BC Sets for Activity	Change Log	Wher
Structure					
* 🛃 🕹 SA	P Customizing Imple	ementation Guide			
•	Commercial Project	t Management			
• 🛃 🕀	Activate Business I	Functions			
•	Conversion of Acc	ounting to SAP S/4HANA			
• 🕞	Info: SAP S/4H	IANA Customizing and Dat	a Migration		
•	Preparations ar	nd Migration of Customizing	9		
•	🛃 🕒 Check Cust	omizing Settings Prior to M	ligration		
•	🛃 🕀 Set Numbe	r of Jobs for Activities in N	lass Data Framework		
•	Preparation	s and Migration of Custom	nizing for General Ledger		
•	Preparation	s and Migration of Custom	nizing for Accrual Engine		
-	Preparation	s and Migration of Custom	nizing for Asset Accounting		
	 Migratio 	n from Classic to New Ass	et Accounting		
	 Adjustn 	nents in New Asset Accou	nting		
•	Preparation	s and Migration of Custom	nizing for Controlling		
•	Preparation	s and Migration of Custom	nizing for Material Ledger		
•	Preparation	s for Migration of House B	ank Accounts		
•	Preparation	s for Migration of Financial	Documents to Trade Finance		
•	Preparatory	Activities and Migration o	f Customizing for Credit Managemen	t	

Figure 6-37. Preparation and migration of customizing for Asset Accounting

Run the steps sequentially. That means the Asset Accounting step is after the GL and Accrual Engine preparations steps.

12. Migration to new Asset Accounting in SAP S/4HANA (see Figure 6-38).

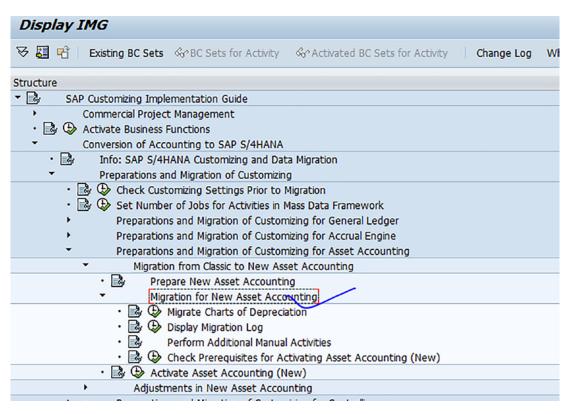


Figure 6-38. Migration for New Asset Accounting

Then perform additional customizing settings manually, as shown in Figure 6-39.

	CHECK FICIEQUEICES TOLACTIVALITY ASSET ACCOUNTING (NEW)
	• 🗟 🕀 Activate Asset Accounting (New)
•	Adjustments in New Asset Accounting
	 Info: Adjustments in New Asset Accounting
	• 🗟 🕀 Adjust Parameters in Chart of Depreciation
	🔹 🕒 Display Migration Log

Figure 6-39. Adjustments in New Asset Accounting

You check if all the prerequisites for activating New Asset Accounting are met (see Figures 6-40 and 6-41).

Check of Prerequisites for Parallel Valuation in FI-AA (New)				
۵				
Mode				
⊙ Check Before Import	Activation Check Before Import of Customizing Switch			

Figure 6-40. Prerequisites for parallel valuation

Display logs						
🕄 🔞 🗞 Technical Information 📘	I					
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program
17.11.2021 11:51:17	2	RACHECK_ACT	Fixed Assets A	Miscellaneous	FAA_CHE	RACHEC
 Problem class very important 	1					
 Problem class Medium 	1					
<u>~. 87887.</u> 2.	×.	B 🕹 . 🕲		⊘ 1 △0 🔲	1	
T Message Text						LTxt
System activity: checking data before	ore acti	vating the Cust. sv	witch			2
See			· · · · · · · · · · · · · · · · · · ·			

Figure 6-41. Prerequisites to Activate New Asset Accounting

Finally, you need to activate new Asset Accounting (see Figure 6-42).

Change View "New Asset Accounting: Activa	ation": Details
"У ю́ Щ В;	
New Asset Accounting	

Figure 6-42. Activate New Asset Accounting

There are two possibilities when you are activating new Asset Accounting:

- 1. The activation is successful in the client system.
- 2. The activation is partially successful in the client system.

With a partial successful activation, you need to analyze the errors in Customizing for Asset Accounting (New), Check Prerequisites for Activating Asset Accounting (New) (execute the FAA_CHECK_ACTIVATION transaction). See Figures 6-43 and 6-44.

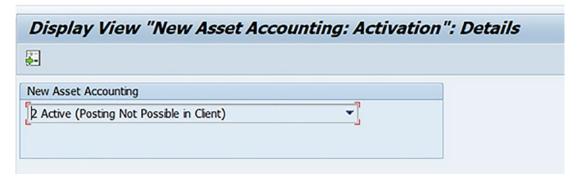


Figure 6-43. New Asset Accounting details view

Date/Time/User	Nu	External ID	Object text	Subobject Text	Transactio	Program	Mode	Log number
• 12/11/2019 21:56:43	4	SAPFGLBCF	SFIN	SFIN Balance Carr	FAGLGVTR	CL_FINS_FL	Dialog proces	. 000000000000
*. A T () (T. T. H	. 80		0 0 3 🛆 0 🖬 1					
Type Message Text			(manufacture)	And the second se		17.4	-	-
Test run			Performance					i ×
 No changes made Correct the following errors and repeater 	a the Dalace	Conducad	C					
 Posting not possible; new Asset Accord 			Posting not	possible; new Ass	et Account	ing is incon	sistent	~
			-	•				
			Message no. A	CC_AA119				
			Diagnosis					
				being switched to SAP Accounting is available				
			classic Asset A	ccounting to the new A	sset Accountin	g, or complete	the migration	
			of Asset Accou again.	nting. Only then is it po	ssible for you	to post in Asse	t Accounting	
			a statistica and a statistical statistical statistics and a statistics and a statistical statistics and a statistics and a statistical statistics and a statistical statistics and a statisti					
			The following a	pplies to the Customizi	ng switch:			
				ent, the Customizing si Preparation.	witch for new /	Asset Account	ng has the	
			status A accorda	e client the Customizin ctive (Posting Not Poss nce with the new logic i ring the import (for exar	uble in Client). in the local sys	It is not possi tem. The check	ble to post in	

Figure 6-44. FAA_CHECK_ACTIVATION

To force activation in non-productive systems, use transaction code FAA_DO_ ACTIVATION. Authorization object S_TABU_DIS is necessary with ACTVT = '02' and DICBERCLS. Activate new Asset Accounting using the FAA_DO_ACTIVATION transaction. You have to correct all of the errors before finally activating. It should appear as shown in Figure 6-45.

Display logs							
🕄 📀 🕼 Technical Information 🚺]						
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transactio	Program	Mod
12/11/2019 22:05:55	2	RACHECK_ACTIV	Fixed Assets Acco	Miscelaneous	FAA_CHECK	RACHECK A	Dialo
Problem class Medium	2						
*•• 270 07.2.	.		0 🛆 0 🗖 2				
						LTxt	
Type Message Text							
Type Message Text No error found; requirements to a	ctivate Custimiz	ing switch have been	met				

Figure 6-45. FAA_DO_ACTIVATION

Configuration of Chart of Depreciation Under Ledger Approach

During migration to Asset Accounting (new) or during the activation of Asset Accounting (new), the system checks the prerequisites. If the system does configure properly, it throws error messages. Ledgers assigned to the company code and the ledgers that are to be posted via the chart of depreciation should be identical. If they are not, it is not possible to migrate to Asset Accounting (new) and activate it.

In Asset Accounting (new) of SAP S/4HANA, you must make sure that all ledgers in which the company code updates its balances in the general ledger are also updated via Asset Accounting.

For example, you might have assigned two ledgers to the company code. In Asset Accounting, you might have only one ledger assigned in the chart of depreciation. Because all the ledgers are not assigned to the chart of depreciation, the system throws error messages.

Parallel Accounting Using the Ledger Approach

This example helps to ensure that both settings are correct before the system conversion process. Define the accounting principles and the Assign Accounting principles to Ledger groups (see Figure 6-46).

New En	ntries 咱 🖬 🕼 📑		
ssignment	of Accounting Principl	e to Target Ledger Group	
Accountin.	Target Ledger G	Description	
FRS	đ	Ledger 2L	•
G	OL	Ledger OL	~

Figure 6-46. Assignment of accounting principles to target ledger group

Define Settings for Ledgers and Currency Types (see Figures 6-47 to 6-49).

💖 New Entries 脑 🖬 🔊		All Table Views								
Dialog Structure	Ledger									
Currency Types	Ledger	Ledger Name	Leading	Ldgr Type	ExtLdgrTyp	Underlying Ledger	Valuation View	Subtype Val	Man.Pstgs Not Allwd	AcctgPrinc o
Global Currency Conversi Global Currency Conversion Set	0C	Management Accounting		Extension Ledger	- Line items	OL		•		
Currency conversion set CalLedger	OE	Commitment/Order Entry	0	Extension Ledger	- Line items	oc		*		
 Company Code Setti 	OL	Ledger OL		Standard Ledger	* Standard jo *			•		
Accounting Princ	EL	diger 2L	- n	Standard Ledger	* Standard 10_ *			*	0	IFRS

Figure 6-47. Change view ledger overview

💖 New Entries 🛅 🔂) 🗟 🖪 🗟 🖧 🖓 All Ta	able Views
Dialog Structure Currency Types Global Currency Conversi Currency Conversion Set	Company Code 1710	Ledger OL Company Code 1710
• 🗋 Ledger		r Ledger and Company Code
 Company Code Setti 	Accounting Principle	Name of Accounting Principle
 Accounting Princ 	and a second sec	Local GAAP

Figure 6-48. Change View Accounting Principles for Ledger and Company Code

New Entries: Overvi		ies	
Dialog Structure Currency Types Global Currency Conversi Currency Conversion Set Ledger	Company Code 1710	Ledger 2L Ledger and Company Code	
 Company Code Setti 	Accounting Principle	Name of Accounting Principle	
• 🗇 Accounting Princ	IFRS	International Financial Reporting Standards	

Figure 6-49. Define Settings for Ledgers and Currency Types

Choose Asset Accounting > General Valuation > Depreciation Areas > Define Depreciation Areas > Define Depreciation Areas. The chart of depreciation with two ledgers (0L and 2L) is shown in Figure 6-50.

art o	f dep. 1710 Chart of Depreciation 1710]			
Defir	e Depreciation Areas						
Ar.	Name of Depreciation Area	Real	Trgt Group	Acc.Princ.	G/L		
1	Book Depreciation		OL	USAP	Area Posts in Real Time	-	1
31	Local GAAP in group currency		OL	USAP	Area Does Not Post	-	2
32	IFRS in local currency	V	2L	IFRS	Area Posts in Real Time	-	
33	IFRS in group currency	•	2L	IFRS	Area Does Not Post	-	
90	Federal Tax ACRS/MACRS	V	OL	USAP	Area Does Not Post	-	
91	Alternative Minimum Tax		OL	USAP	Area Does Not Post	-	
92	Adjusted Current Earnings	V	OL	USAP	Area Does Not Post	-	
			OL	USAP	Area Does Not Post	-	

Figure 6-50. Define Depreciation Areas

With Asset Accounting (new), the posting indicator supports the following four values (see Figure 6-51).

Posting in the General Ledger
○ Area Does Not Post
Area Posts in Real Time
O Area Posts Depreciation Only
○ Area Posts APC Immediately, Depreciation Periodically

Figure 6-51. Posting indicators

For the depreciation areas, choose the correct posting indicator. For the ledger approach, the leading area of the parallel valuation also contains the Area Posts in the Realtime option.

Specify Transfer of APC Values

Verify the "Specify Transfer of APC Values" option for depreciation areas that post their APC to general ledger accounting in real-time. Leading areas need to be set to 00. Those depreciation areas never use values from a different depreciation area. Set the key to initial; the system displays the key 00 for the depreciation area when you press Enter.

Check the entry. Depreciation areas 01 and 32 should have entry 00.

Choose Financial Accounting under Asset Accounting > General Valuation > Depreciation Areas > Specify Transfer of APC Values (see Figure 6-52).

	dep. 1710 Chart of Depreciation 1710				
۸r.	Name of Depreciation Area	ValAd	Id		
01	Book Depreciation	þo	đ	•	
31	Local GAAP in group currency	01	•	•	
32	IFRS in local currency	00			
33	IFRS in group currency	32	•		
90	Federal Tax ACRS/MACRS	01			
91	Alternative Minimum Tax	90	•		
02	Adjusted Current Earnings	90	•		
92		90	-		
	Corporate Earnings & Profits				

Figure 6-52. Specify transfer of APC values

Specify Transfer of Depreciation Terms (see Figure 6-53).

1				
t o	f dep. 1710 Chart of Depreciation 1710			
Ar.	Name of Depreciation Area	TTr	Identica	al 🎞
0	1Book Depreciation	þor		^
3	Local GAAP in group currency	01	-	-
3	2IFRS in local currency	00		
3	3 IFRS in group currency	32	-	
9	0Federal Tax ACRS/MACRS			
9	1 Alternative Minimum Tax			
9	2Adjusted Current Earnings			
	3Corporate Earnings & Profits			

Figure 6-53. Specify Transfer of Depreciation Terms

Specify the Use of Parallel Currencies (see Figure 6-54).

Cha	ange View	"Set Up Parallel Curre	encie	s": 0	verv	iew		
99	s 🗠 🖪 🖪	B B						
art o	f dep. 17	10						
Set I	Jp Parallel Currer	ncies						
Ar.	Dep. Area	Currency/Valuation T		ValAd	IdAPC	TTr	IdntTrm	
1	Book Deprctn	5	•	0		0		•
31	LocGAAPGrCry	Group Currency	-	1	-	1	v	-
32	IFRS loc cur		-	0		0		33
33	IFRS grp cur	Group Currency	•	32	•	32	✓	
90	ACRS/MACRS		•	1				
91	ALT MIN		•	90	-			
92	ACE		•	90	•			
93	E&P		•	90	-			

Figure 6-54. Specify the Use of Parallel Currencies

Technical Clearing Account for Integrated Asset Acquisition

You can assign the technical clearing account by choosing Accounting > Asset Accounting > Integration with General Ledger Accounting > Technical Clearing Account for Integrated Asset Acquisition > Define Technical Clearing Account for Integrated Asset Acquisition (see Figure 6-55).

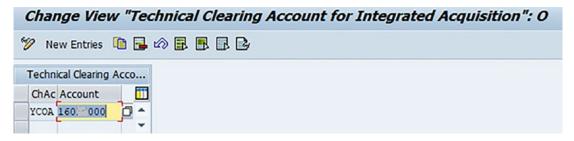


Figure 6-55. Define Technical Clearing Account for Integrated Asset Acquisition

The balance of this account is zero at any time. With the ledger approach, it balances to zero per ledger and account assignment. With the account approach, you need to assign the technical clearing account for integrated asset acquisition together with the contra account.

The Technical Clearing Account Parameters account is a balance sheet created as a reconciliation account for fixed asset accounts.

There is no need to set management of line items because the account is a reconciliation account (see Figures 6-56 and 6-57).

Display G/L Ac	count Centrally
哈 🍄 🗠 🚳 🍕 🕨	📅 🖹 🛛 Edit financial statement version 🛛 Edit set 🛛 Time-Dependent Attributes
	Technical Cirng Acct Integrated Asset Acquisition Dany Code 1710
Type/Description Control Control in Chart of Accounts YCC	
G/L Account Type	Balance Sheet Account
Account Group	Fixed assets accounts
Detailed Control for P&L Stater	nent Accounts
Functional Area	
Description	
Short Text	TecCing Int AAcqu
G/L Acct Long Text	Technical Clrng Acct Integrated Asset Acquisition

Figure 6-56. Technical Clearing Account Parameters

S/L Account 160.000 Technical Clrng Acct Integrated Asset Acquisition Company Code 1710 Company Code 1710 With Template Type/Description Control Data Create/bank/interest Key word/translation I Account control in company code Account currency USD United States Dollar Babances in Local Crcy Only - Only input tax allowed	/L Account 160.000 Technical Clrug Acct Integrated Asset Acquisition ompany Code 1710 Company Code 1710 With Template Type/Description Control Data Create/bank/interest Key word/translation I Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Image: Company Code Image: Company Code	/L Account 160.000 Technical Clrng Acct Integrated Asset Acquisition ompany Code 1710 Company Code 1710 With Template Type/Description Control Data Create/bank/interest Key word/translation I Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Only input tax allowed Posting without tax allowed Assets	💖 📙 Display G/L Acco	ount Centrally
Company Code 1710 Company Code 1710 With Template Image: Company Code Type/Description Control Data Create/bank/interest Key word/translation I Image: Company Code Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Image: Company Code Image: Company Code Tax Category Image: Company Code Image: Company Code	Type/Description Control Data Create/bank/interest Key word/translation I Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Tax Category Only input tax allowed Posting without tax allowed Recon. Account for Acct Type	ompany Code 1710 Company Code 1710 With Template Type/Description Control Data Create/bank/interest Key word/translation Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Tax Category Only input tax allowed Posting without tax allowed Recon. Account for Acct Type Assets Alternative Account No.	rt 🏭 🔊 💿 🗲 🕨 🛛	🖥 📄 🛛 Edit financial statement version 🛛 Edit set 🛛 Time-Dependent Attribute
Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Tax Category - Only input tax allowed	Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only Tax Category - Only input tax allowed Posting without tax allowed Recon. Account for Acct Type Assets	Account control in company code Account currency USD United States Dollar Balances in Local Crcy Only		
Account currency USD United States Dollar Balances in Local Crcy Only	Account currency USD United States Dollar Balances in Local Crcy Only Tax Category - Only input tax allowed Posting without tax allowed Recon. Account for Acct Type Assets	Account currency USD United States Dollar Balances in Local Crcy Only	Type/Description Control Da	ta Create/bank/interest Key word/translation I
Balances in Local Crcy Only Tax Category Only input tax allowed	Balances in Local Crcy Only Tax Category Only input tax allowed Posting without tax allowed Recon. Account for Acct Type Assets	Balances in Local Crcy Only Tax Category Only input tax allowed Posting without tax allowed Recon. Account for Acct Type Assets Alternative Account No.	Account control in company code	
Tax Category - Only input tax allowed	Tax Category - Only input tax allowed Posting without tax allowed - Recon. Account for Acct Type Assets	Tax Category - Only input tax allowed Posting without tax allowed	Account currency	USD United States Dollar
	Posting without tax allowed Recon. Account for Acct Type Assets	Posting without tax allowed Recon. Account for Acct Type Assets Alternative Account No.	Balances in Local Crcy Only	
Posting without tax allowed	Recon. Account for Acct Type Assets	Recon. Account for Acct Type Assets Alternative Account No.	Tax Category	 Only input tax allowed
rosting minoue tax aloned		Alternative Account No.	Posting without tax allowed	
Recon. Account for Acct Type Assets	Alternative Account No.		Recon. Account for Acct Type	Assets 👻
Alternative Account No.		Account Management in Company Code	Alternative Account No.	

Figure 6-57. Technical Clearing Account Parameters

This account must be given only in the configuration shown above, not in the A090. (The account cannot be defined in the account determination for Asset Accounting, such as with tables T095, T095B, and T095P.)

Be sure to remember these points:

- It is not possible to reverse Finance and Asset Accounting documents (FB08, AB08) that have been posted before conversion, so you need to verify if you have any business need to reverse them as a part of preparation activity. Once the system is converted, you can post a manual transfer posting rather than use FB08 and AB08. Negative postings are not supported after conversion. Identify the need for these well in advance.
- Batch input is no longer supported for AB01.
- Transaction types restricted to depreciation areas are not supported.
- You can use AB01L in place of ABS0_OLD.

SAP S/4HANA New Asset Accounting has many benefits that help you meet different business needs. Consider these examples:

- Flexible leading valuation.
- One depreciation area for each accounting principle/valuation that posts in real-time.
- Delta areas are no longer needed to portray a parallel valuation.
- Different fiscal year variants can be assigned to different ledger groups. A prerequisite is that the variants should have the same start and end date.
- We can see separate documents for each accounting principle.
- The depreciation areas have equal status. No need for the hard coupling of depreciation area 01 as the "leading depreciation area."
- For each accounting principle or valuation system, post in real-time.
- No redundancy in data storage.
- Reconciliation between G/L and AA is ensured by design.
- Reconciliation step in financial close is not required.
- All nonstatistical items are updated as universal journal entries.
- Reporting for previous fiscal years is possible even after migration.
- Assignment of depreciation area to accounting principle.
- Simplified chart of depreciation.
- New document display AB03.
- New transactions for ledger group.
- Flexible account determination.
- Simple close, fast close, and soft close.
- Transparency throughout the period.
- Plan values in real-time. These values will be updated with every master data change and every asset transaction.
- Elimination of reconciliation steps as Asset Accounting and GL posts to single universal journal entry table ACDOCA.
- Fast depreciation posting run AFAB. New program for depreciation.

- CHAPTER 6 PREPARATION PHASE (PREPARATION FOR CONVERSION OF SAP ECC ASSET ACCOUNTING TO SAP S/4HANA NEW ASSET ACCOUNTING) PART 2
 - The system creates a corresponding ledger group-specific document.
 - Automatic postings are made to the technical clearing account for integrated asset acquisitions.
 - You can post to accounting principles or depreciation areas in transaction AB01L.
 - Only relevant accounting principles are represented on the asset.
 - If a certain accounting principle is not needed to post APC online to the general ledger, the posting is redirected to account for the non-operating expenses (T095-KTNAIB field).
 - You can assign the settlement rule for each line per depreciation area using transaction AIAB.
 - Accounting principle-specific postings can also be posted from Controlling.
 - FAGLGVTR helps for balance carry forward in Asset Accounting. No need to execute twice—once for GL and the other run for AA. A single run works for both.
 - The Display Asset Worklist app shows a clear picture of the fixed asset masters that you are responsible for.

Configuration of a Chart of Depreciation Using the Account Approach

Define the accounting principles and assign them to ledgers as shown here:

Define accounting principles in Customizing for Financial Accounting under Financial Accounting Global Settings > Ledgers > Parallel Accounting > Define Accounting Principles (see Figure 6-58).

han	ge View "Accounting Principles": Overview	
Ne	w Entries 🗎 🚘 🕼 🖪 🖪	
cour	iting Principles	
	Name of Accounting Principle	1
AAP	Generally Accepted Accounting Principles	-
AS	International Accounting Standards	
FRS	International Financial Reporting Standards	
	Tax Standards	

Figure 6-58. Define Accounting Principles

Assign Accounting Principle to Ledger Groups (see Figure 6-59).

Change	View "Assigni	ment of Accounting Principle to Targe	et Ledger Group
🤣 New Ent	tries 🔋 🔒 🖒 📑	1 🖪 🗟	
Assignment	of Accounting Princip	e to Target Ledger Group	
Accountin	. Target Ledger G	Description	
GAAP	OL	🗗 iding Ledger	^
IAS	LL	Local Statutory Ledger	·
IFRS	IF	IFRS Ledger	
TAX	тх	TAX Ledger	

Figure 6-59. Assign Accounting Principle to Ledger Groups

Define Ledger Groups as follows:

Financial Accounting (New) ➤ Financial Accounting Global Settings (New) ➤ Ledgers ➤ Ledger ➤ Define Ledger Group (see Figure 6-60).

		Overview	
👂 New Entries 🛯 🔂 🕼			
alog Structure	Ledger Grou	p	
Cledger Group	Ledger Grp	Description	
 Ledger Assignment 	OL	Leading Ledger	-
	0 IF	Leading and IFRS	×
	рит	Leading, IFRS and TAX	11
	0 LL	Leading and Local Ledgers	
	0 TX	Leading and Tax Ledgers	

Figure 6-60. Define Ledger Group

Enter OL and select the representative ledger in the Group field (see Figure 6-61).

Change View "Ledg	er Assign	ment": Overvie	w
💖 New Entries 項 🔒 🖄) B B B		
Dialog Structure ▼ □ Ledger Group • □ Ledger Assignment	Ledger Group		
	Ld	Rep.Ledger	
	OL		^
	IF		▼

Figure 6-61. Ledger Assignment

Enter OL and select the representative ledger in the Group field (see Figure 6-62).

Change View "Ledg	er Assigi	nment": Overview	v	
💖 New Entries 🐚 🔒 🛱		L		
Dialog Structure Cledger Group Cledger Assignment	Ledger Grou	JD 0 LL		
	Ledger A	ssignment		
	Ld	Rep.Ledger		
	OL		<u>^</u>	
	LL		Ť	

Figure 6-62. Ledger assignment

Define Settings for Ledgers and Currency Types: Financial Accounting ➤ Financial Accounting Global Settings ➤ Ledger ➤ Define Settings for Ledgers and Currency Types (see Figure 6-63).

Company Code Setting	e				
Fiscal Year Variant	Cal. Year, 4 Special Periods	-			
Pstng period variant	Variant 1710	-	Accounting Principle	LG	
Local Currency - 1st FI	Currency				
Currency Type	10 Company Code Currency (U	SD - US Dollar)	Source Currency Type	00	1

Figure 6-63. Define Settings for Ledgers and Currency Types

You get a message, as shown in Figure 6-64.

🖻 Co	onsist	ency Check: Display messages
		F
Тур	Ite	Message Text
	000	You have set indicator Parallel Accounting by G/L Accounts

Figure 6-64. Information message

Press Enter to accept. We have to add both accounting principles to the 0L ledger (see Figure 6-65).

New Entries: Overvi	ew of Added End	nes	
🎾 🖬 🖩 🖪 🖧 🖓 A	I Table Views		
Dialog Structure	Ledger OL	Ledger 0L	
Currency Types	Company Code		
 Global Currency Conversi Currency Conversion Set 		-	
	the second se		
• DLedger	Accounting Principles fo	or Ledger and Company Code	
	and the second	Name of Accounting Principle	
	Accounting Principle		

Figure 6-65. Overview of Accounting principle to ledger

Chart of depreciation (see Figures 6-66 and 6-67).

C	ha	nge View "Define Depreciation Areas"	: Overv	iew			
sego	Ģ	🛿 🛅 😼 🕼 🖪 🖪 BC Set: Change Field Values	B				
Chart	to	f dep. 1710 Chart of Depreciation 1710					
De	efin	e Depreciation Areas					
A	vr .	Name of Depreciation Area	Real	Trgt Group	Acc.Princ.	G/L	
A 1		Name of Depreciation Area Book Depreciation		Trgt Group OL		G/L Area Posts in Real Time ▼	- -
1 3.			V		USAP		_

Figure 6-66. Change Define Depreciation Areas view

Change View "Define Depreciation Areas": Details	
🎾 🛅 🔜 🖒 😓 🛃 BC Set: Change Field Values 📴	
	1
Posting in the General Ledger	4
O Area Does Not Post	
O Area Posts in Real Time	
O Area Posts Depreciation Only	
Area Posts APC Immediately, Depreciation Periodically	

Figure 6-67. Chart of depreciation

Specify Transfer of APC Values (see Figure 6-68).

C	hai	ge View "Depreciation areas: Rule	s for value takeover": Overview
5 D			
Char	t of	dep. 1710 Chart of Depreciation 1710	
	Ar.	Name of Depreciation Area	ValAd Id
	01	Book Depreciation	þo [7]) 🔶
	31	Local GAAP in group currency	01 🗸 👗
	32	IFRS in local currency	00
	33	IFRS in group currency	32 🗸

Figure 6-68. Specify transfer of APC values

Specify Transfer of Depreciation Terms (see Figure 6-69).

Change view "Depreciation areas: Rules	s for takeover of deprec. terms":
> ~ = = = =	
hart of dep. 1710 Chart of Depreciation 1710	
Ar. Name of Depreciation Area	TTr_Identical 🛄
Ar. Name of Depreciation Area 01Book Depreciation	TTr Identical 🛄
	TTr Identical
01Book Depreciation	

Figure 6-69. Specify transfer of depreciation terms

Check Active Charts of Depreciation for Asset Accounting: Financial Accounting ➤ Asset Accounting ➤ Overview for Experts ➤ Check Active Charts of Depreciation for Asset Accounting (see Figure 6-70).

🕄 🔞 😚 Technical Information [
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
* • 19.11.2021 11:32:20	1	RACHECK_ARE	Fixed Assets A	Miscellaneous	FAA_CHE	RACHECK	Dialog pro	
 Problem class Medium 	1							
	1					20000		
- A 7 M R 7. 2.	1	L 0 . Q .		0 40 0 1				
A マは P ア・ E・ T. Message Text	- 	10.0	III 😰 💌	0 🛆 0 🖬 1				

Figure 6-70. Check active charts of depreciation for Asset Accounting

Conclusions

Before a system conversion to SAP S/4HANA, you must perform year-end closing for the previous years and period-end closing activities for the current fiscal year and the current period in Asset Accounting and other subledgers. This must be done to make sure a clear cutoff is made for the conversion. Reconcile GL with all other subledgers (submodules FI) along with FI-AA.

A few advantages of New Asset Accounting are the following:

- The New Fixed Asset Accounting based on ACDOCA.
- No redundancy in data storage. It posts only in the universal journal entry table.
- Reconciliation between G/L and AA is ensured by design. So reconciliation time can be saved.
- All non-statistical items are updated in ACDOCA.
- Even after migration, reporting for previous fiscal years is possible.
- Transparent assignment of depreciation area to ledgers and accounting principles.
- Depreciation posted with all details.
- Accumulated depreciation and depreciation cost by asset.
- Auditability and simplicity.
- Independent and complete depreciation areas of equal power.

- Simplified chart of deprecation:
 - New document display
 - New transactions for ledger group specifics
 - Quick and transparent throughout the period
 - Asset balances in real time
 - APC postings not needed anymore
 - Plan values in real-time
 - Elimination of reconciliation steps
 - Fast depreciation posting run
 - New data structures and parallel processing
 - Navigation and drill-down per accounting principle and ledger
 - Posting to different periods is now possible

This chapter covered Credit Management Preparations for Conversion, Material ledger Preparation for Conversion, Actual Costing Preparation for Conversion, Trade Finance Preparation for Conversion, Revenue Recognition Preparation for Conversion, and Preparation for Classic Cash Management for Conversion. The next chapter covers the most important preparation activities of SAP S/4HANA conversion.

CHAPTER 7

Preparation Phase (Preparation Prior to Conversion) – Part 3

This chapter provides an overview of the preparation and migration activities that are needed during SAP S/4HANA conversion related to the following functional core areas:

- Credit Management Preparations for Conversion
- Material Ledger Preparation for Conversion
- Actual Costing Preparation for Conversion
- Trade Finance Preparation for Conversion
- Revenue Recognition Preparation for Conversion
- Preparation for Classic Cash Management for Conversion

Credit Management Preparations for Conversion

Consultants working on the conversion project should verify use of the SAP Credit Management. If the current source system has FI-AR-CR-based credit management, or FI-AR Credit management along with FSCM-based Redit Management FIN-FSCM-CR, then you have to plan for preparation and migration after SUM. (After the system conversion process.) You need not do anything before SUM. You only need to identify the use of the Credit Management in the source system. If FSCM-based credit management is in practice in the source system, no activity is required. But due to technical reasons, it is better to run migration steps even if the source system has FSCM based Credit Management.

Determining if the Source System Has Credit Management Functionality

Ask the client if they are using transaction FD31/ FD32 (master data) or verify at table level KNKK and KNKA (see Figures 7-1 and 7-2).

General Table	Display					
Background N	umber of Entries	8 8 8 5 6/	ll Entries 🔰 🚱 🛛 🚭			
Table	KNKK		Customer master cre	dit man	agement:	Control area data
Text table			No texts	_		
Layout	🔄 Number of Entr	ies Found	×			
Maximum no. of hits	Entries found	519.566]			
Selection Criteria						
Fld name			X	More	Output	Technical name
Client					1	MANDT

Figure 7-1. Table KNKK

General Table	e Display					
🕒 Background N	Number of Entries	B B B B B A	ll Entries 🛛 🚱 🗳			
Table	KNKA		🚱 Customer master cre	dit man	agement:	Central data
Text table	Rumber of Entr	ias Found	X	2		
Layout	Le Number of Entr	les Found				
Maximum no. of hits	Entries found	1.666	1			
			-			
Selection Criteria						
Fld name			X	More	Output	Technical name

Figure 7-2. Table KNKA

Also verify with the client whether they are using the VKM1 to VKM4 transaction codes (to release blocked sales orders).

Identifying the Use of FSCM-CR (FSM-Based Credit Management)

Verify with the client whether they are using transaction BP/UKM_BP. Or you can verify this at the table level, by using UKMBP_CMS_SGM (see Figure 7-3).

General Table	Display	
Background N	umber of Entries 🛛 🗐 📑 📑	🖬 🔚 All Entries 🛛 🧔 🚭
Table	UKMBP_CMS_SGM	ි 🕼 SAP Credit Management: Master Data for Credit Account
Text table		No texts
Layout		
Maximum no. of hits	500	Maintain entries

Figure 7-3. Table UKMBP_CMS_SGM

Or to process sales documents, you can use the UKM_CASE transaction.

If FI-based (SD-based) credit management is in use, you have to FIN-FSCM-CR after SUM. This movement includes configuration and master data, credit exposure, and credit decision data.

Prerequisites for Migrating to SAP Credit Management

- 1. To finish all documents associated with payment, guarantee a letter of credit to be mentioned to the client.
- 2. Complete the accounting data migration.
- 3. Refer to SAP Notes 2227014 and 2270544.

The Influence on User Activity and Business Processes

I provide some of the transactions here, but you should verify these based on SAP Help or the SAP Guide, or notes about complete changes.

F.28, F.31, F.32, F.33, F.34, FCV1, FCV2, FCV3, FD32, FDK43, VKM1, VKM2, VKM3, VKM4, VKM5, and so on.

Credit Management Preparation and Migration Activities After SUM

After SUM, find the menu path shown in Figure 7-4 in the SAP S/4HANA system.

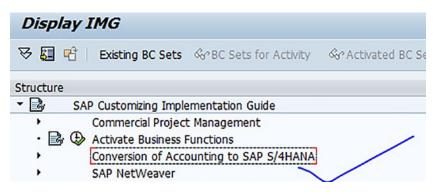


Figure 7-4. The SPRO path

You can find three parts for "Conversion of Accounting to SAP S/4HANA" (see Figure 7-5).

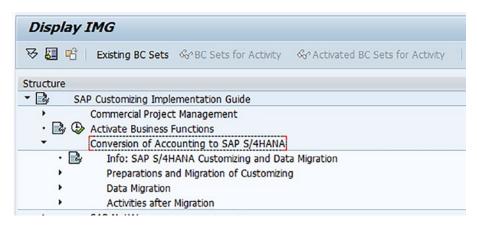
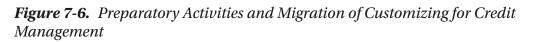


Figure 7-5. SPRO path: Conversion of accounting to SAP S/4HANA

- 1. Preparations and migration of customizing
- 2. Data migration
- 3. Activities after migration

In the first part, "Preparations and Migration of Customizing," you'll find Preparatory Activities and Migration of Customizing for Credit Management. See Figure 7-6.

Display I	MG				
ଷ୍ଟ 🚺 🖷 🛛	Existing BC Sets	Sets for Activity	℅ Activated BC Sets for Activity	Change Log	Where Else Used
Structure					
👻 🛃 SAP	Customizing Imple	ementation Guide			
· (Commercial Project	t Management			
• 🛃 😔 /	Activate Business F	Functions			
• (Conversion of Acco	ounting to SAP S/4HANA			
• 🛃	Info: SAP S/4H	IANA Customizing and Dat	ta Migration		
•	Preparations an	nd Migration of Customizin	g		
• 🗟	🕏 🤄 Check Cust	comizing Settings Prior to I	Migration		
• 📃	🌢 🕀 Set Numbe	er of Jobs for Activities in I	Mass Data Framework		
•	Preparation	ns and Migration of Custon	nizing for General Ledger		
•	Preparation	ns and Migration of Custon	nizing for Accrual Engine		
•	Preparation	ns and Migration of Custon	nizing for Asset Accounting		
•	Preparation	ns and Migration of Custon	nizing for Controlling		
•	Preparation	ns and Migration of Custon	nizing for Material Ledger		
•	Preparation	ns for Migration of House E	Bank Accounts		
•	Preparation	ns for Migration of Financia	Documents to Trade Finance		
•	Preparatory	Activities and Migration of	of Customizing for Credit Managemer	nt	



Under that, you can find the following:

- Define Settings for Credit Management Migration
- Migrate Credit Management Customizing
- Define Credit Analyst Group as Business Partner Group
- Assigning Credit Representative Group to Credit Analyst Group
- Define Customer Credit Group
- Assign Credit Management Group to Customer Credit Group
- Assign Credit Management Processor to Credit Analyst Group
- Check and Define Credit Management Customizing
- Check Customizing Settings

Once you complete these, the last step is checking the customizing settings. You should not get any errors, as shown in Figure 7-7.

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) - PART 3

🕄 🔞 🗞 Technical Informa	tion	E						
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log numbe
24.12.2021 11:00:20	4	FINS_MIG_CRE	SFIN	SFIN Migration	FINS_MIG	CL_FINS_F	. Dialog pro	\$000001
<u> </u>								
T Massage Text								
T Message Text Creditsegments checked								
T Message Text Creditsegments checked Risk Classes checked								
Creditsegments checked								

Figure 7-7. Check customizing settings

Figure 7-7 shows whether the setup for credit management customizing is accurate for the migration or not. If you get any warning or errors, that means you are missing something or something is wrong with the setup of FSCM based customizing.

After the preparation activities are completed, you can migrate to credit management.

Find an IMG task: Credit Management Migration under Data Migration (see Figure 7-8).

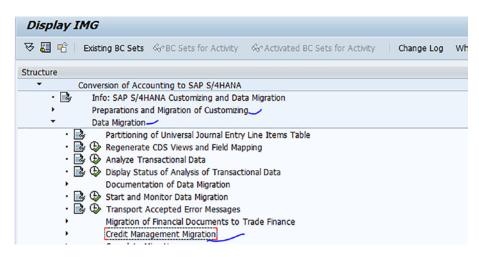


Figure 7-8. Credit Management Migration

The Credit Management Migration Task includes the following subtasks :

• Migrate Credit Management Master Data

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) – PART 3

- Display Status of Migration of Credit Management Master Data
- Migrate Credit Management Exposure
- Display Status of Credit Management Exposure Migration
- Initialize Documented Credit Decisions
- Display Status of Initialization of Documented Credit Decisions
- Reconcile Documented Credit Decisions (see Figure 7-9)

Display 1	IMG			
ତ୍ୟ 👪 🖷	Existing BC Sets	\mathcal{R} BC Sets for Activity	& Activated BC Sets for Activity	Change L
Structure				
•	Migration of	Financial Documents to	Trade Finance	
-	Credit Mana	gement Migration		
	 By (b) Display 9 By (b) Migrate By (b) Display 9 By (b) Display 9 By (b) Display 9 By (b) Display 9 	Credit Management Expo Status of Credit Managem Documented Credit Deci	dit Management Master Data osure nent Exposure Migration isions Documented Credit Decisions	

Figure 7-9. Credit Management Migration tasks

Once the first step of the "Migrate Credit Management Master Data" process is done, you can find screen in the second step. Display the screen shown in Figure 7-10. You should not get an error.

Display Status of Credit Manageme	ent Master i	Data	Migration	,		
장순) ()) (<mark>) (() (</mark> (() () () () () () () () () () () () ()			technical detail Proc. Step ID	and the second se	Unfinished	Fin
• @CO 000 SAP AG	Non 10	LIC	Proce Scep 10	To Do	onnioned	
				Finished		
 First Run 				Finished	0	7
 Credit Management Master Data 			MK1_1	Finished	0	
COB Finished			MK1_1	Finished	0	1

Figure 7-10. Display the status of credit management

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) - PART 3

As per SAP Note 2518127, as part of the credit management master data migration, the credit accounts are created in FIN-FSCM-CR credit management only for the account numbers of the customers with the credit limit specification (KNKK-KNKLI). No credit accounts are created for the customer numbers (KNKK-KUNNR) if they differ from the credit accounts (KNKK-KNKLI). If you need additional credit accounts in the case of deviating customer numbers, you must create them after the migration.

If a credit limit check is performed for the customer in FI-AR-CR credit management, the credit limit of the customer defined in KNKK-KNKLI is used for the check. As a result, there is a parent-child relationship between the two customers. The migration does not transfer a relationship of this kind to the Business Partner. If the customer used in KNKK-KUNNR is a subordinate credit account to the customer defined in KNKK-KNKLI in FIN-FSCM-CR credit management, you must create a corresponding Business Partner relationship after the migration. Note that in FIN-FSCM-CR credit management, you must specify a credit limit for both Business Partners. This is because the credit limit check is performed for both Business Partners in the case of a credit assignment for the subordinate Business Partner.

Material Ledger Preparation for Conversion

The data model changes, and simplification makes using the Material Ledger compulsory. It is part of SAP S/4HANA. Even if the source ECC system does not have ML, it automatically activates ML during conversion. Whereas Actual Costing is optional and not mandatory to use.

After conversion, when using the system, if customers add plants, then you need to activate the Material Ledger (ML) manually using the OMX1 transaction code.

- Currency customizing of Material Ledger is to be done using the OMX2 and OMX3 transaction codes.
- Default Material Ledger Type 0000 is no longer used.
- You can define up to three currencies for ML Type. Defining the currency and valuation types that are fitting for the Material Ledger is mandatory.

Here are the steps to be implemented:

- 1. Use the OMX2 transaction code for currencies.
- 2. Use the OMX3 transaction code to assign this ML type to plants or valuation areas.

Before SUM (Before System Conversion)

Before running SUM, all costing runs should be completed whether or not Actual Costing CKMLCP/CKMLCPAVR is in use. If they are in use, you must complete them without any errors. The post-closing step should be positively executed, which means no materials with an "open" status exist. After conversion, it will no longer be possible to alter the costing runs created prior to system conversion. Make sure there are no incomplete costing runs.

Material Ledger Preparation Activities

Once the system is converted (after SUM), you can find the "Conversion of Accounting to SAP S/4HANA" option in SPRO (see Figure 7-11).

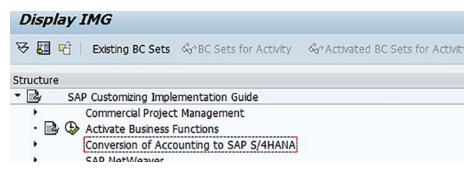


Figure 7-11. The Cockpit in SPRO

You can find the "Preparations and Migration of Customizing for Material Ledger" option using this menu path:

SPRO>>>>> Conversion of Accounting to SAP S/4HANA>>>> Preparations and Migration of Customizing ➤ Preparations and Migration of Customizing for Material Ledger >>>> Migrate Material Ledger Customizing (see Figure 7-12).

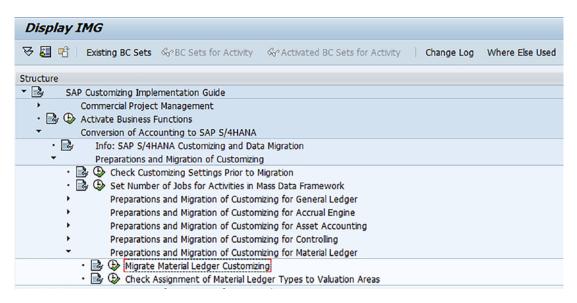


Figure 7-12. The Migrate ML Customizing screen

The Material Ledger is required if the current system has Materials Management -Inventory Management. It is mandated that you migrate the Material Ledger even if you are using ML in the source system and using a simple Finance system. It is not needed when you are upgrading from SAP S/4HANA 1610 to 2021 or higher versions.

This step helps in migrating the customizing settings for the ML. Note that this step has to be performed only after "Preparations and Migration of Customizing for GL" and other the previous steps.

Execution in the background is not recommended. Contact SAP if there are any error messages during this step.

Once this step is completed, the ML customizing settings will be migrated. After migration, check the assignment of Material Ledger types to plant or valuation areas. If assignments do not happen, you can assign them manually (see Figure 7-13).

Change Vie	w "Assignme	nt of Materia	l Ledge	r Types to	o Valuation Areas"	2
💖 New Entries	🐚 🖬 🗠 🖪 🛛	8 🖪				
Valuation area	Company Code	Mat. ledger type	Status			
0001		9000		•		1

Figure 7-13. The correct assignment

ML type should be the same for all valuation areas within a company code.

Material Ledger Data Migration

Refer to this menu path:

SPRO >>>> Conversion of Accounting to SAP S/4HANA >>>> Data Migration >>>> Start and Monitor Data Migration (see Figure 7-14).

Display IMG				
😽 👪 📸 Existing BC Sets 🖓 BC	Sets for Activity	𝚱 Activated BC Sets for Activit	Change Log	Where Else Use
Structure				
 SAP Customizing Implementat 	tion Guide			
Commercial Project Manag Commercial Project Manag Activate Business Function Conversion of Accounting Info: SAP S/4HANA Cu Preparations and Migrat Data Migration	ns to SAP S/4HANA ustomizing and Data			
 Partitioning of Univ. Regenerate CDS V Regenerate CDS V Regenerate CDS V Display Status of A Documentation of Regenerate Administration 	riews and Field Map nal Data nalysis of Transacti Data Migration	ping		

Figure 7-14. The Migration Monitor IMG

Start and Monitor Data Migration

After the preparation activities, you start the Data Migration Monitor. This monitor covers "Migration of Material Ledger data" as well.

Step M10 of the Migration Monitor

Step M10 is called Migrate Material Ledger Master Data. Since it is mandatory in SAP S/4HANA, this step must be performed to activate ML for all valuation areas. This creates ML master data tables: CKMLHD, CKMLPR, CKMLPP, and CKMLCR in all ML currencies for periods more recent than the last period of the previous year. All aggregate tables—such as inventory aggregate values stored in tables MBEW, EBEW, QBEW, OBEW, and their historic data tables MBEWH EBEWH, QBEWH, and OBEWH—are migrated into ACDOCA, the new universal journal entry table.

This migration does not activate Actual Costing.

Step M11 of the Migration Monitor

Step M11 is called Migrate Material Ledger Order History.

If ML was not in use in any of the valuation areas earlier to such conversion, this activity step converts all current purchase order history data stored in the EKBE, EKBEH, EKBZ, and EKBZH tables and the production order history data stored in the MLAUFCR and MLAUFCRH tables into the ML currencies.

Step M21 of the Migration Monitor

Step M21 is called Check ML Production Order and Purchase Order History.

The task is to verify whether all production order history and purchase order history table data is converted into the ML currencies.

Under Preparations and Migration of Customizing, verify SAP Note 2345739.

Once Material Ledger Data Migration is completed by the monitor, you can see that information, as shown in Figure 7-15.

Prep	are migration													
Overview	w Contro	I Tables	1											
ligration R	uns													
				12	60									
Run ID St	tart Date	U External ID	Manual	Delta	CCode Spec	Finished	Compon	ent Release						
1 07	7.11.2021	J FINS_MIG_	FULL X			Х	S4CORE	100						
tatus of M	ligration Run	1												
	ligration Run													
D 🖓 .							Status Pr	roc. Status	Current Date	Σ Runtime	∑ Net Time	Act. Jobs	Completion	Errors
D 🖓 .		Activity	rial Ledger Ma	ster Dal	la			roc. Status nished	Current Date 08.11.2021	Σ Runtime 0:00		Act. Jobs	Completion 100%	Errors 0
D 🖓 .	Activity Id	Activity Migrate Mate	rial Ledger Ma			c	CO Fi				0:00	Act. Jobs		
D (0) .	Activity Id	Activity Migrate Mate		ter Data	1	0	COD Fir	nished	08.11.2021	0:00	0:00	Act. Jobs	100%	0

Figure 7-15. Successful Material Ledger data migration from Steps M10 to M21

A common error during migration is with the OMX1 transaction. You will not be able to see the valuation area with Material Ledger Type 9000. The reason is that the order of customizing steps for assigning a ML type to the valuation area has been changed as of S/4HANA 1610 (see Figure 7-16).

			Louge	er": Overv	iew
Company Code	Mat	Status	ML Act.	Price Deter.	Price Det. Bin
	9000			2	đ
	9000			2	
		Company Code Mat 9000	Company Code Mat Status	Company Code Mat Status ML Act.	Company Code Mat Status ML Act. Price Deter.

Figure 7-16. The order of customizing steps for assigning a ML type to the valuation area has been changed as of S/4HANA 1610

The sequence is as follows:

- Define Material Ledger type in transaction OMX2 .There is no default Material Ledger Type 0000 anymore. Customizing in Financial applications allows you to assign more than three currency and valuation types as being relevant in your company code. As the Material Ledger still supports only three currency and valuation types, you can no longer use an ML Type that references currency settings defined in FI or CO (the "Currency Types from FI" and "Currency Types from CO" flags). Instead, you have to explicitly define the currency and valuation types that are relevant to the Material Ledger.
- 2. Assign corresponding Material Ledger type to the valuation area in OMX3.
- 3. Activate Material Ledger for the corresponding valuation area in OMX1.

For periods before the migration, you must use only the CKM30LD transaction. For periods after the migration, it may have new data as well as migrated, old data. The migrated data is summed up on category level (receipts, consumption and so on). KM3 shows an overview for migrated data as well as new data. For individual lines of old data, use transaction CKM30LD. The warning for "Unmigrated Data" should be shown in CKM3 if there is old data in table MLCD in the period and ML Actual Costing is active and productive. In the CKM30LD transaction before migration, you can see single-level and multi-level price differences from table MLCD (as explained previously). For the data that was migrated from ECC to S/4HANA, check the details provided in SAP Note 2426371.

Actual Costing Preparation for Conversion

Before running SUM, and during the preparation phase, you have to verify that you can validate if ML (Material Ledger) and Actual Costing are active in the source system

Choose SPRO >>>> Controlling >>>> Product Cost Controlling >>>> Actual Costing/Material Ledger >>>> Actual Costing (see Figure 7-17).

Change View "Activate	actual costing": 0	Overview		
2 ad 🖪 🖪 🖪 🕞				
Activate actual costing				
Pint Name 1	Act. Costing	ActAct	CreditCCt	1
Werk 0001		ſ	đ	-
Plant 0003 (-
Plant 1 US	<	2		
Plant 2 US				
Plant 1 IT	✓	2		
Plant 1 CA		2		

Figure 7-17. Actual Costing SPRO screen

If you see the checkbox, that means that Actual Costing is active for that plant. You can see this at the table level also. Table T001W, field MGVUPD.

In SAP S/4HANA, the data model for ML has been changed and the processes are simplified. Before starting the ML conversion, install notes are specified in SAP Note 2345739.

Material Ledger is mandatory but Actual Costing is not. If the source system has Actual Costing, the data will be migrated to new data structures to aid fast and resourceful cost calculations.

You must have a run cost cockpit before the system reaches downtime and you should not have any errors in the CKMLCP log.

As the posting logic Actual Costing has changed, you need to do some adjustments in the account determination:

- 1. Transaction OBYC
- 2. Transaction PRL

- 3. Transaction GBB/Account Modification AUI
- 4. Transactions PRV and KDV

Refer to SAP Note 2345739 for all the prerequisite SAP Notes to be installed for Actual Costing as a part of preparation activity. Refer to SAP Note 2352383 as well.

Refer to SAP Note 2387172, in addition to Actual Costing, if the source system has the Actual Cost Component Split (the OMXF transaction) or you have activated WIP at Actual Costs (the OMXW transaction).

Trade Finance Preparation for Conversion

Consultants working on SAP S/4HANA conversion activities should verify if the source system has the Foreign Trade functionality in the areas SD-FT or MM-FT. This feature is unaccommodated in SAP S/4HANA, post-conversion. If a system has related custom code, it does not work after system conversion. The Foreign Trade (SD-FT) functionality will not be available; customers can use SAP S/4HANA for international trade once they move to SAP S/4HANA.

If customers are interested in using Trade Finance Transactions like Letter of Credit in SAP S/4HANA, they have to migrate from SD-FT to TRM-TF. This is integrated with Sales.

Option 1: SAP S/4HANA International Trade

Option 2: SAP GTS

To perform these activities, refer to the following SAP Notes along with the SAP S/4HANA Conversion Guide and other SAP Help documents

- 2223144
- 2376556
- 2869019
- 2267310

Pre-Transition Checks

Legal Control Service related: Refer to the SAP Note 2213485

Letter of Credit Related: SAP Note 2213485.

Preference Management Related: SAP Note 2213485

All the preparation activities must be performed before SUM. Once SUM is completed and in SAP S/4HANA, you have preparation activities related to Foreign Trade. These are the activities after SUM in SAP S/4HANA system, not in the ECC system.

Choose SPRO >>>> Conversion of Accounting to SAP S/4HANA >>>> Preparations and Migration of Customizing >>>> Preparations for Migration of Financial Documents to Trade Finance (see Figure 7-18).

Display 1	[MG				
ତ 🚺 🖻	Existing BC Sets	℃ BC Sets for Activity	\mathcal{R} Activated BC Sets for Activity	Change Log	Where Else
Structure					
🝷 🌛 🛛 SAF	Customizing Imple	ementation Guide			
• 🗟 🔂	Commercial Project Activate Business F Conversion of Acco				
· 🗟 •		IANA Customizing and Dat ad Migration of Customizing	-		
•	5 6	omizing Settings Prior to N r of Jobs for Activities in N	-		
•	Preparation	s and Migration of Custom	nizing for General Ledger		
•	Preparation	s and Migration of Custom	nizing for Accrual Engine		
•	Preparation	s and Migration of Custom	nizing for Asset Accounting		
•	Preparation	s and Migration of Custom	nizing for Controlling		
,	Preparation	s and Migration of Custom	nizing for Material Ledger		
,		s for Migration of House B			
· · ·	Preparation	s for Migration of Financial	Documents to Trade Finance		
	Preparatory	Activities and Migration o	f Customizing for Credit Managemen	t	

Figure 7-18. The IMG screen for Preparations for Migration of Financial Documents to Trade Finance

Preparing for Migration of Financial Documents to Trade Finance

Here are the preparation steps:

- 1. Set the migration needs
- 2. Map SD-FT Financial Document Types with TRM 850 Product Types
- 3. Map SD-FT Presented Document with TRM TF Document Types
- 4. Set bank function for advising bank
- 5. Map SD-FT Banks with Business Partners

- 6. Map company codes in SD-FT and in trade finance
- 7. Check and define customizing for integration with sales
- 8. Check customizing settings

Once this configuration is completed, check the customizing settings. You should not see any errors. See the example in Figure 7-19.

Date/Time/User	Nu	. External ID	Object text	Subobject Text	Transac	Program	Mode	Log numbe
• 24.12.2021 18:33	56 J 11	FINSTF_MIG_C	. SFIN	SFIN Migration	FINSTF	CL_FINS_F	Dialog pro	\$000001
***	4 >							
				🗐 🖉 0 🖾	0 11			
Message Text								
Mapping of SD-FT fir								
Mapping of SD-FT pr			oc. types checked					
TRM Customizing set	ing checke	d						
Bank function for No	tifying Bank	checked						
Notifying Bank settir	checked							
Activation of integra	ion with S/	4HANA Sales chec	ked					
Payment guarantee	forms for Tr	ade Finance check	ked.					
Incoterms location t	pes checke	ed.						
Mappings of trade fit	ance locatio	ons to Incoterms I	ocation types chee	cked.				
Assignment of Incot	erms locatio	n types to Incote	rms checked.					
	ontrol check							

Figure 7-19. Successful execution of the "Check Customizing Settings" step

Choose Data Migration >>>> Migration of Financial Documents to Trade Finance (see Figure 7-20).

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) – PART 3

Display I	MG				
🏷 🚺 🖻 ।	Existing BC Sets	& BC Sets for Activity	\mathcal{R} Activated BC Sets for Activity	Change Log	Where
Structure					
▼ (Conversion of Acco	ounting to SAP S/4HANA			
• 🛃	Info: SAP S/4H	ANA Customizing and Dat	a Migration		
•	Preparations an	d Migration of Customizing	g		
-	Data Migration				
•	Partitioning	of Universal Journal Entry	Line Items Table		
•	🎍 🕀 Regenerate	CDS Views and Field Map	pping		
•	🌡 🕀 Analyze Tra	nsactional Data			
•	🎍 🕒 Display Stat	us of Analysis of Transact	ional Data		
•	Documenta	tion of Data Migration			
•	🕹 🕒 Start and M	Ionitor Data Migration			
•	🕹 🕒 Transport A	ccepted Error Messages			
• ·	Migration of	Financial Documents to T	Trade Finance		
•	Credit Mana	nement Migration			

Figure 7-20. The "Migration of Financial Documents to Trade Finance" path

Here are the migration steps:

- 1. Migrate master data of financial documents
- 2. Display migration status of master data of financial documents
- 3. Assign sales orders to trade finance transactions
- 4. Display status of assignments of sales orders to trade finance
- 5. Initialize risk check decisions
- 6. Display status of initialization of risk check decisions
- 7. Reconcile risk check decisions

Business Case 2

If Foreign Trade migration is not needed, then you have to set status at follows:

SPRO >>>> Conversion of Accounting to SAP S/4HANA >>>> Preparations and Migration of Customizing >>>> Preparations for Migration of Financial Documents to Trade Finance >>>> Set Migration Need (see Figure 7-21).

Change View	"Set Migration Need": Details	
″∕ B		
Set Migration Need		
Migration Needed	No	

Figure 7-21. Migration not needed

Revenue Recognition Preparation for Conversion

SD-based revenue recognition will not be available after moving to SAP S/4HANA. The new functionality is called "Revenue Accounting and Reporting". This should be used after converting the system to SAP S/4HANA. This provisions the revenue accounting standards as specified in IFRS15 and by local GAAPs.

Business Process

As SD-based revenue recognition will not be available after converting the system, the older functionality will work.

Which Transaction Codes Are Affected?

The following transaction codes are affected: OVACT, OVEP, VF42, VF43, VF44, VF45, VF46, VF47, and VF48. Refer to the SAP Notes/SAP Help for more information.

The Simplification Item Check Report shows the items related to revenue recognition.

To migrate SD Sales orders and subsequent documents to the Revenue Accounting solution, the operational load process has been introduced. Refer to SAP Note 2267342 to understand the need for a migration and a pre-check if SD Revenue Recognition data exists. See the following SI Check Item (see Figures 7-22 and 7-23).

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) – PART 3

-	SAP						
	C A	8 00	881	🛛 🔎 🖽 🕒 🔂 Check Co	nsistency for All 🕒 Check Consistency Details 🖾 Display Consistency	Check Log Apply/Revoke Exempl	tion Display Exemption Log
	Simplif	fication	Item L	ist - SAP S/4HANA 20	21 [Initial Shipment Stack]		and the second statement in the second statement
R	Relevance	Last Co	Exempti	ID	Title	Lob/Technology	Business Area
	۵	0	۵.	SI5: Logistics MM-IM	S4TWL - Performance optimizations within Material Doc.	Supply Chain	Inventory
	4	۲	0	SI5: MasterData PM	S4TWL - Simplification of copy/reference handling	Database and Data Management	Enterprise Information Manager
	Δ	۲	Δ	SI5: SD RRn	S4TWL - ERP SD Revenue Recognition	Finance	Advanced Accounting and Finar
	Δ	۲	Δ	SI6: FIN MISC ML	S4TWL - Conversion to S/4HANA Material Ledger and A	Finance	Cost Management and Profitabi
	۵		4	SI6:MasterData PM	S4TWL - Foreign Trade fields in Material Master	Finance	Enterprise Risk and Compliance

Figure 7-22. SI check report

Overview ▼ Consistency check overall information • Consistency check performed in system • Software Update Manager(SUM) mode: No. • Check performed in background mode (sy-batch): No. • Check started at 24.12.2021 11:13:01 CET • Check ended at 24.12.2021 11:13:02 CET • Check total run time is 1 seconds • Simplification Item Catalog source: Fetched from SAP • The simplification item catalog version used for the check was downloaded from SAP at • 22.12.2021 12:32:11 UTC • Target version: SAP S/4HANA 2021 [Initial Shipment Stack] • Latest version 149 of SAP Note 2309707 is implemented. • Latest version 92 of SAP Note 2502552 is implemented. • 0 • Latest version 92 of SAP Note 2502552 is implemented. • 0 • Items checked for consistency check feturn code: 7 • A Skip-able consistency error found, exemption can be applied to the item in simplification • A tem list. • Check dats: CLS4SIC_SD_BIL_RA • Check ended at 24.12.2021 11:13:02 CET •		istency check result & Technical Information ा 🚺 Help
 Consistency check overall information Consistency check performed in system Software Update Manager(SUM) mode: No. Check performed in background mode (sy-batch): No. Check started at 24.12.2021 11:13:01 CET Check total run time is 1 seconds Simplification item catalog source: Fetched from SAP The simplification item catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. I tems have been skipped for consistency check in total. I tems checked for consistency Check started at 24.12.2021 11:13:01 CET A Skip-able consistency check return code: 7 A Skip-able consistency check return code: 7 Check class: CL54SIC_5D_BIL_RA Check class: CL54SIC_5D_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	Overview	1
 Consistency check performed in system Software Update Manager(SUM) mode: No. Check performed in background mode (sy-batch): No. Check started at 24.12.2021 11:13:01 CET Check ended at 24.12.2021 11:13:02 CET Check total run time is 1 seconds Simplification item catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2309707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. I tems have been skipped for consistency check in total. I tems checked for consistency Check trutm "SIS: SD_RRn" Kliphest consistency check return code: 7 A Skip-able consistency check return code: 7 Check started at 24.12.2021 11:13:01 CET Check cass: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7 . 		
 Software Update Manager(SUM) mode: No. Check performed in background mode (sy-batch): No. Check started at 24.12.2021 11:13:01 CET Check ended at 24.12.2021 11:13:02 CET Check total run time is 1 seconds Simplification Item Catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2309707 is implemented. Latest version 92 of SAP Note 2309707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Kiphest consistency check return code: 7 A Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check running time: 1 seconds Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7 . 		
 Check performed in background mode (sy-batch): No. Check started at 24.12.2021 11:13:01 CET Check ended at 24.12.2021 11:13:02 CET Check total run time is 1 seconds Simplification Item Catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2399707 is implemented. I tems have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Check started at 24.12.2021 11:13:01 CET Check class: CL54SIC_SD_BIL_RA Check class: CL54SIC_SD_BIL_RA Check sub-ID: "SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 		
 Check started at 24.12.2021 11:13:01 CET Check ended at 24.12.2021 11:13:02 CET Check total run time is 1 seconds Simplification Item Catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Kinghest consistency error found, exemption can be applied to the item in simplification A skip-able consistency error found, exemption can be applied to the item in simplification Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check result Check Sub-ID: "SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 		
 Check total run time is 1 seconds Simplification Item Catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Highest consistency check return code: 7 A Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check class: CL54SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:01 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 		
 Simplification Item Catalog source: Fetched from SAP The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Kip-able consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check class: CL54SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:01 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖬	Check ended at 24.12.2021 11:13:02 CET
 The simplification item catalog version used for the check was downloaded from SAP at 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Kip-able consistency error found, exemption can be applied to the item in simplification A skip-able consistency error found, exemption can be applied to the item in simplification Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7 . 	· 🛛	Check total run time is 1 seconds
 22.12.2021 12:32:11 UTC Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Klighest consistency error found, exemption can be applied to the item in simplification A item list. Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:01 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7 . 	• 🖬	Simplification Item Catalog source: Fetched from SAP
 Target version: SAP S/4HANA 2021 [Initial Shipment Stack] Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Kip-able consistency error found, exemption can be applied to the item in simplification A item list. Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:01 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖬	The simplification item catalog version used for the check was downloaded from SAP at
 Latest version 149 of SAP Note 2399707 is implemented. Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check rouning time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖬	22.12.2021 12:32:11 UTC
 Latest version 92 of SAP Note 2502552 is implemented. 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖬	Target version: SAP S/4HANA 2021 [Initial Shipment Stack]
 0 items have been skipped for consistency check in total. 1 items checked for consistency Check item "SI5: SD_RRn" Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🗖	Latest version 149 of SAP Note 2399707 is implemented.
 I items checked for consistency Check item "SI5: SD_RRn" Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖬	Latest version 92 of SAP Note 2502552 is implemented.
 Check item "SI5: SD_RRn" Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID: "SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🗖	0 items have been skipped for consistency check in total.
 Highest consistency check return code: 7 Skip-able consistency error found, exemption can be applied to the item in simplification item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	• 🖸	1 items checked for consistency
 A Skip-able consistency error found, exemption can be applied to the item in simplification A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7 . 	- 👻 🎽	Check item "SI5: SD_RRn"
 A item list. Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	🧭 Highest consistency check return code: 7
 Check started at 24.12.2021 11:13:01 CET Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	Skip-able consistency error found, exemption can be applied to the item in simplification
 Check class: CLS4SIC_SD_BIL_RA Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	△ item list.
 Check ended at 24.12.2021 11:13:02 CET Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	Check started at 24.12.2021 11:13:01 CET
 Consistency check running time: 1 seconds Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	Check class: CLS4SIC_SD_BIL_RA
 Consistency check result Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7. 	•	Check ended at 24.12.2021 11:13:02 CET
Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7.	•	Consistency check running time: 1 seconds
	•	Consistency check result
 Migration from SD Revenue Recognition to Revenue Accounting required. See SAP note 2777486 	•	Check Sub-ID:"SAP_SD_BIL_RA_CHECK_REVFIX", return code = 7.
		• 🏽 Migration from SD Revenue Recognition to Revenue Accounting required. See SAP note 2777486

Figure 7-23. SI Check Report: Revenue recognition Item details

How Do You Resolve This Error?

The resolution as per SAP Note 2777486 is the following error message:

```
Migration from SD Revenue Recognition to Revenue Accounting required.
No SD Revenue Recognition Lines (VBREVE) with REVFIX = M have been found.
286
```

Because the VBREVE-REVFIX (Fixed Revenue Line Indicator) flag is set to "M" during the migration process with FARRIC_OL, it means that no data has been migrated.

Refer to SAP Note 2777486. Before conversion, you must migrate those sales orders and contracts that are not entirely delivered or invoiced or both, processed by SD Revenue Recognition to SAP Revenue Accounting and Reporting. It should also include deferred revenue yet to be realized for which you suppose subsequent actions, for example growth in quantity, create credit memo, or withdraw invoice.

First you must evaluate, before you start conversion to SAP S/4HANA, whether a migration to SAP Revenue Accounting and Reporting is conceivable for your business. Refer to SAP Notes 2227824 and 2267342.

The complete migration guide for SD Revenue Recognition processes has been released for customers in SAP Note 2733866.

Preparation for Classic Cash Management for Conversion

This section speaks about the preparation activities needed for cash management prior to SUM during the SAP system conversion process.

Once customers move to SAP S/4HANA, the best cash management solution is SAP S/4HANA Finance for cash management. The SAP ECC classic Cash Management and Liquidity Planner are not available after moving to SAP S/4HANA.

Cash and Liquidity Management to SAP S/4HANA

Consultants working on the conversion project need to verify if the customer's ECC system has classic Cash and Liquidity Management functionality in use. If the customer has been using classic cash management, they have to convert their system first. Then they have to implement SAP S/4HANA Finance for cash management as a separate task.

To determine if Classic Cash management is in use, access transaction 0BY6. The checkbox for "Check Cash Management" will indicate whether Cash and Liquidity Management are active per company code. Refer to SAP Note 2149337. You can also find data in the classic cash management tables in SAP ECC (see Figure 7-24).

CHAPTER 7 PREPARATION PHASE (PREPARATION PRIOR TO CONVERSION) – PART 3

	0001	Discourre dase is net value	
Inflation Method		Financial Assets Mgmt active	
Crcy transl. for tax		Purchase acct proc.	
CoCd -> CO Area	2	JV Accounting Active	
Cost of sales accounting actv.	2	Hedge request active	
Negative Postings Permitted		Enable amount split	
✓ Activate CM		Tax Reporting Date Active	

Figure 7-24. Check cash management

Go to transaction code OBY6. If the Activate CM checkbox is checked, Cash Management is active for the company code.

Also verify cash management usage in tables. Sometimes during implementation consultants might check this knowingly or unknowingly, so verify usage of this functionality in tables shown here:

- FDM1 and FDM2
- FDS1 and FDS2
- FDSB and FDSB2
- FDD1 and FDES
- FDESDIST and FDFIEP
- FDI1, FDRE, FDLF, and FDLF2

If there are entries in those tables, speak with your customer and know the usage of this functionality. Also verify if FLQSUM and FLQSUM_FC have entries. If you see entries in those tables, Liquidity Planner has been used.

The classic Cash and Liquidity Mgt. FIN-FSCM-CM and FIN-FSCM-LP are not part of SAP S/4HANA. You have to use S/4HANA Finance for cash management based on FSCM. If classic cash management is in use, you can migrate master data and transactional data to SAP S/4HANA. But refer to the SAP Notes and guide for more information.

After Accounting Conversion

If you are using classic Cash and Liquidity Management, you can migrate relevant master data and transactional data to SAP S/4HANA. You can do this after completion of migration of accounting. Then change and assign necessary roles to the user IDs.

You have assigned roles to users. Activate the business function FIN_FSCM_CLM. Then configure full scope for Cash Management Scope. Refer to SAP Note 2769531 and check for prechecks.

Then, you must complete all the necessary configurations for cash management in SAP S/4HANA.

Conclusions

To optimize the move to SAP S/4HANA, it is ideal to demonstrate the benefits of SAP Credit Management (Component: FIN-FSCM-CR). For example, demonstrating the advanced and automated credit management processes, HANA-based reporting and analytics, SAP Fiori apps for credit management, and so on, will help SAP customers to plan for the future and enhance their credit-management functionalities.

Similarly, identifying uses of SD Revenue Recognition in advance will help customers understand the functionalities of Revenue Accounting and Reporting. It will help show them the need for additional time to spend on the Revenue Accounting migration process before conversion.

One of the most important tasks in conversion is Foreign Trade. Consultants working on the project should verify if they can set the status "Not Needed for Migration" if foreign trade is not in use. If that is relevant, they must plan for migration of FI transactions to trade finance. It is important to check whether foreign trade processes are in use in third-party foreign trade systems.

The next chapter is an overview of the SUM tool. It covers the Conversion Cockpit preparation activities, the Data Migration Monitor, and the activities after the conversion activities.

CHAPTER 8

Realization Phase (Preparation and Migration of Customizing)

After the preparation phase, consultants start working with the SUM (Software Update Manager) tool. This tool is used to convert the system to SAP S/4HANA. Consultants might have executed the Maintenance Planner before the SUM. The SUM tool requires the stack.xml file that's generated by the Maintenance Planner as an input.

The Role of the Software Update Manager (SUM) Tool

SUM does the following:

- Database migration
- Installation of the SAP S/4HANA software
- Logistics data migration (finance data will be migrated by the Conversion Monitor during execution of the Conversion Cockpit, not by SUM)

The SUM has six steps—Extraction, Configuration, Checks, Preprocessing, Execution, and Postprocessing (see Figure 8-1).

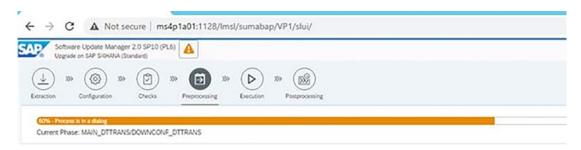


Figure 8-1. SUM steps (on the top)

Note that from the Execution step, you can consider it as downtime until you close the Conversion Cockpit.

Usually, consultants who run SUM will let other consultants and customers know when they have to release all the transport requests to have a clean development cut. They also inform customers on the Development lock phase. The selection Lock is likely if upgrade media (upgrade DVDs) happens. Once they lock, no developments can be done. So you cannot do SE80 or Note implementations, no importing requests, or releasing requests, and so on.

When Is the SPDD Activity Completed?

At the beginning of the SUM procedure, the ABAP consultants will take care of the SPDD modification adjustment.

How Do Users Know When SUM Reaches Downtime and What Activities Will Be Done by the Administrator?

When SUM reaches downtime, the consultant who runs SUM will notify the business users and other consultants working on the project, lock all users, stop batch jobs, stop all interfaces to avoid dumps, and so on. They also do some other activities and ramp down activities as specified in the SUM and conversion guides. They also take a backup at this stage. That way, they will be able to go back to this stage if they get any errors. You must educate users not to log on during this downtime phase.

When Will the SPAU Activities Be Done?

The SPAU modification adjustment will be done at the end of the SUM.

After post-processing, you can consider that SUM ends after the end of the technical downtime. But in conversion projects, after SUM, you cannot release the system for user activity, as Finance Consultants have to prepare the system for conversion and do the data migration. Post-migration activities can be done during uptime. But the ideal way is for users to not work. So, after post processing, business downtime is not finished. Users should remain locked until data migration is completed.

After post processing, we will complete SUM and start preparations on SAP S/4HANA system for executing the Conversion Cockpit (see Figure 8-2).

₽¢	Software Update Manager 2.0 SP12 (PL3) S/4HANA Conversion using DMO with System Move (Target Host)
Extraction) » () » () » () » () » () » () » () »
	6 - Process has finished vare Update Manager
Proce	dure Completed

	* YOUR SUM PROCEDURE IS COMPLETE *

Note: Y	ou have to perform follow-up activities. For more information, see the SUM Guide.
Furth	er Actions:
Click he	re to open the Technical Downtime Optimization app.
Choose	"Cleanup" from the "More" menu to use the Software Update Manager again.
>	i Reschedule Background Jobs
>	i Maintain Switchable Authorization Checks
>	i Check Table HTTPURLLOC

Figure 8-2. The end of SUM

As soon as SUM completes, users cannot post transactions. The Conversion Cockpit preparation and data migration must first be completed. If not, you'll get an error similar to Figure 8-3.

Correct the Customizing settings for ledgers for the universal journal

Figure 8-3. Error after SUM and before actual data conversion

The next step after SUM is the conversion of accounting to SAP S/4HANA.

What Is the Menu Path for the Conversion Cockpit?

Here is the menu path for SAP S/4HANA Conversion Cockpit: SPRO >>> Conversion of Accounting to SAP S/4HANA (see Figure 8-4).

Display IMG	
😼 👪 🖷 🕴 Exist	ng BC Sets & BC Sets for Activity & Activated BC Sets for Activity Change Log Where
Structure	
- SAP Cust	mizing Implementation Guide
 Comm 	ercial Project Management
• 🛃 🕀 Activa	te Business Functions
- Conve	rsion of Accounting to SAP S/4HANA
• 🛃 In	o: SAP S/4HANA Customizing and Data Migration
Pr	eparations and Migration of Customizing
Date	ta Migration
► Ac	tivities after Migration

Figure 8-4. IMG path for conversion of accounting to SAP S/4HANA

Converting Accounting to SAP S/4HANA

After the technical conversion step (after SUM), the Cockpit must be configured and executed. There are three broad steps for converting Accounting to SAP S/4HANA.

- 1. Preparations and migration of customizing
- 2. Data migration

3. Activities after migration

The steps in the Cockpit are sequential. You should not execute them randomly (see Figure 8-5).

Display IMC	
😾 🚺 📸 🕴 Exi	ting BC Sets 🗞 BC Sets for Activity 🛛 🗞 Activated BC Sets for Activity 🕴 🕻
Structure	
- 🗟 SAP Cus	comizing Implementation Guide
 Com 	nercial Project Management
• 🗟 🕀 Activ	ate Business Functions
- Conv	ersion of Accounting to SAP S/4HANA
• 🛃 • I	nfo: SAP S/4HANA Customizing and Data Migration
۲ (reparations and Migration of Customizing
• [ata Migration
× 4	ctivities after Migration

Figure 8-5. SPRO screen of the Conversion Cockpit

Let's first look at the Preparations and Migration of Customizing. These are the preparation activities for the Cockpit. These tasks must be completed based on the source system. For example, if the source system does not have an Accrual Engine or manual accruals, you can skip this. Similarly, trade finance is based on the source system, so you need to complete its preparation activities.

Before you start preparation, verify in the converted system if there is any data in ACDOCA. As soon as SUM finishes, the ACDOCA table must not show any entries. It should be empty (see Figure 8-6).

로 <u>T</u> able Display <u>E</u> d	it <u>G</u> oto	Extr <u>a</u> s	System	<u>H</u> elp
Ø	• <		۵ 🚱	
General Table	Display	,		
Background N	umber of En	tries		3
Table	ACDOCA			
Text table				
Layout				
Maximum no. of hits	500			
Get Field				
Selection Criteria	:::			
No values found		SAP	SAPLS	E16N -

Figure 8-6. The ACDOCA table entries after SUM and before executing the Conversion Cockpit

Special Authorizations to Execute the Cockpit

The most important is that authorizations to be added to the user ID to execute Data Migration and to monitor and migrate the house banks.

Here are the objects that are to be added to the user ID to the concerned consultant, so they can execute steps related to the Cockpit.

- 1. Authorization F_CLM_BAM, activity 01 and 02
- 2. SAP_FI_BL_BANK_MASTER_DATA or SAP_BR_AP_ACCOUNTANT
- 3. Authorization object CO-CCA: Cost Element Master (K_CSKB)
- Authorization for activity 16 (Execute) of the FINS_MIG authorization object as well as developer authorization (authorization object S_DEVELOP)

 To be able to perform the migration, make sure you are assigned the authorization In particular, on role SAP_SFIN_ MIGRATION. FINS_MIG authorization object

Preparations and Migration of Customizing

Preparations and migration of customizing for GL (see Figure 8-7):

- 1. Preparations and Migration of Customizing for Accrual Engine
- 2. Preparations and Migration of Customizing for AA
- 3. Preparations and Migration of Customizing for CO
- 4. Preparations and Migration of Customizing for Material Ledger
- 5. Preparations for Migration of House Bank Accounts
- 6. Preparations for Migration of Financial Documents to Trade Finance
- 7. Preparatory Activities and Migration of Customizing for Credit Management

Display IN	1G				
🏵 👪 🖻 । ।	Existing BC Sets	$\mathcal{C} \mathfrak{S} \mathfrak{C}$ Sets for Activity	𝚱 Activated BC Sets for Activity	Change Log	Where Else Used
Structure					
- Co	onversion of Acco	ounting to SAP S/4HANA			
• 🛃	Info: SAP S/4H	ANA Customizing and Da	ta Migration		
•	Preparations an	d Migration of Customizin	Ig		
• 🕞	🕒 🕀 Check Cust	omizing Settings Prior to	Migration		
• 📑	🕒 🕀 Set Numbe	r of Jobs for Activities in	Mass Data Framework		
•	Preparation	s and Migration of Custor	nizing for General Ledger		
•	Preparation	s and Migration of Custor	nizing for Accrual Engine		
•	Preparation	s and Migration of Custor	nizing for Asset Accounting		
•	Preparation	s and Migration of Custor	nizing for Controlling		
•	Preparation	s and Migration of Custor	nizing for Material Ledger		
•	Preparation	s for Migration of House I	Bank Accounts		
•	Preparation	s for Migration of Financia	l Documents to Trade Finance		
•	Preparatory	Activities and Migration	of Customizing for Credit Managemer	nt	

Figure 8-7. Preparation steps and activities from the Conversion Cockpit

Data Migration

During the data migration step, you move the finance data to SAP S/4HANA Finance. The table ACDOCA (Universal Journal Entry Line Items) is filled with data from General Ledger, Controlling, Material Ledger, and Asset Accounting. This is based on the data volume in the source system's number of records. If you have a large number of records, you can consider partitioning the ACDOCA table in order to prevent negative effects. As per the SAP Help document, if you expect significantly fewer than 1 billion records, including future growth, you don't have to consider partitioning.

If you expect the number of records to reach or exceed 1 billion records, follow the instructions of SAP Note 2289491, "Best Practices for Partitioning of Finance Tables."

- 1. Partitioning of Universal Journal Entry Line Items Table
- 2. Regenerate CDS Views and Field Mapping
- 3. Analyze Transactional Data
- 4. Display Status Analysis of Transactions
- 5. Documentation of Data Migration
- 6. Start and Monitor Data Migration
- 7. Transport Accepted Error Messages
- 8. Migration of Financial Documents to Trade Finance
- 9. Credit Management Migration
- 10. Complete Migration
- Complete Migration of Financial Documents to Trade Finance (see Figure 8-8)

Display .	IMG						
रु 🚺 🖻	Existi	ng BC Sets	& BC Sets for Activity	�∕r Activated BC Sets for Activit	y	Change Log	Where Else Used
Structure							
-	Conve	sion of Acco	ounting to SAP S/4HANA				
• 🛃	Inf	o: SAP S/4H	ANA Customizing and Dat	ta Migration			
•	Pre	parations an	d Migration of Customizin	g			
•	Dat	ta Migration-					
·	B.	Partitioning	of Universal Journal Entry	/ Line Items Table			
· [🛃 😔	Regenerate	CDS Views and Field Mag	pping			
· [🗟 😔	Analyze Tra	insactional Data				
· [🗟 😔	Display Stat	us of Analysis of Transact	tional Data			
•		Documenta	tion of Data Migration				
· [🛃 😔	Start and M	Ionitor Data Migration				
· [🛃 🕀	Transport A	Accepted Error Messages				
•		Migration of	f Financial Documents to	Trade Finance			
•		Credit Mana	gement Migration				
•		Complete M	ligration				
+		Complete N	ligration of Financial Docu	ments to Trade Finance			

Figure 8-8. Data Migration steps

The "Start and Monitor Data Migration" step has the following internal steps:

- 1. Migration of Cost Elements
- 2. Technical Check of Transactional Data
- 3. Material Ledger Migration
- 4. Enrichment of Data
- 5. Migration of Line Items
- 6. Migration of Balances
- 7. Migration of General Ledger Allocations to Journal Entry Tables
- 8. Calculation of Depreciation and Totals Values
- 9. Migration of House Bank Accounts

Note All these steps will be executed sequentially by the monitor. If there are any issues, they are displayed in the log. Consultants should clear error logs and can repeat the steps again.

Activities After Migration

- 1. Transfer Application Indexes
- 2. Display Status of Transfer of Application Indexes
- 3. In FI Documents, fill the Offsetting Account
- 4. Display Status of Filling the Offsetting Account in FI Documents
- 5. Enrichment of Balance Carryforward
- 6. Manual Activities for Trade Finance
- 7. Manual Activities for Credit Management
- 8. Migration of Accrual Engine Data

Tasks Before Starting Preparation Activities for the Cockpit

Before you start the conversion activities, always read the full text of the conversion guide for SAP S/4HANA. Also refer to SAP Note 2332030.

It is most important to run the steps in order, not randomly. Don't skip any of the errors and be sure to understand the warning messages fully. You can execute some IMG buttons only once. Don't run them twice. Don't set the migration to completion until business validates the reports and confirms you. If you set the status to completed, you cannot reset the status. Users can create postings after you have set the migration status to completion.

Before starting "Conversion of Accounting to SAP S/4HANA" in SPRO, verify the active business functions. See if the SAP S/4HANA always-on business functions are activated or not. Refer to the following to see this: SPRO ➤ Activate Business Functions (see Figures 8-9 and 8-10).

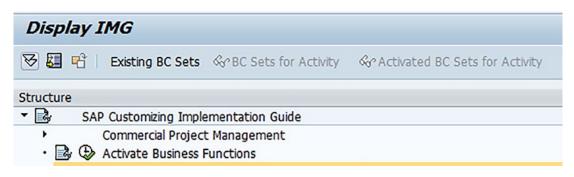


Figure 8-9. IMG for Activating Business Functions

DEV - Switch Framewo	ork: Change	Business Function Status				
Discard Changes	<table-of-contents> Activate Cha</table-of-contents>	nges 🛛 🗟 Switch Framework Browser 🥳	Display Legend			
Business Function Set						
Name		Description	Planned Status	Dep	Doc	Software Co
▼ □						
ENTERPRISE_EXTENSION	S	Enterprise Extensions				
ENTERPRISE_BUSINESS_	FUNCTIONS	Enterprise Business Functions				
 S/4H_ALWAYS_ON_FUNC 	TIONS	S/4H Always ON Business Functions				
 AIF/EXTENDED_FEAT 	TURES	AIF Switch for extended features (Reversi.	Business function (reversible) will			SAP_BASIS
 Occee/Loc_01 		FI,LO Localization for Central and Eastern	. Business func. will remain activated		6	S4CORE
· OF LAND COEX_IPPE_BO	DM	PLM Coexistence IPPE BOM	Business func. will remain activated		0	S4CORE
 Operation (Control of the second s		Engineering Record Development in PLM	Business func. will remain activated	6	0	S4CORE
 Or PLMU/ER_2 		Engineering Record Development in PLM	Business func. will remain activated	6	6	S4CORE
 OF /PLMU/GSS_E2M 		Synchronization of EBOM with MBOM	Business func. will remain activated	6	6	S4CORE
 OF /PLMU/IPPE_INT 		PLM IPPE Integration	Business func. will remain activated	_	6	S4CORE
· A: /PLMLI/TPPE INT 2		PLM, Product Structure and Assembly Man	Business funct will remain activated	8	Ä	S4CORE

Figure 8-10. All always-on business functions are in activation mode correctly

Preparations and Migration of Customizing

The menu path is SPRO ➤ Preparations and Migration of Customizing ➤ Check Customizing Settings Prior to Migration.

In this step, you need to check whether the customizing settings are correct for migration to SAP S/4HANA Finance. You will do this check to determine whether the ledger, company code, and controlling area settings meet all the prerequisites for conversion. Refer to SAP Note 2129306 (see Figure 8-11).

Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program
 A 26.10.2021 04:52:32 	6	FINS_MIG_PRE	SFIN	SFIN Migration	FINS_MIG	FINS_MIG.
 A Problem class Other 	6					
	- 76 - 1) @ 0	Ø0 △6 🖪	0	
	. 🧏 .	20.0		∅ 0 △6 🗖	0	
) #] / @ 0	<u>Ø0 △6</u> 🛢	0	
T Message Text	prated by d	lesign in S/4HANA		₩ 0 △6 ■	0	
T Message Text CO and FI-GL postings are integ	prated by d lient 110: 1	lesign in S/4HANA) (2 0) (2 6) (2	0	
T Message Text △ CO and FI-GL postings are integ △ Max. severity of messages for c	prated by d lient 110: 1 : 110	lesign in S/4HANA Warning. See SAP	Note 2245333) (2 0) (2 6) (2	0	
T Message Text △ CO and FI-GL postings are integ △ Max. severity of messages for c △ Begin of check results for client	prated by d lient 110: 1 : 110 mented; m	lesign in S/4HANA Warning. See SAP nigration might not	Note 2245333 be possible) (2 0) (2 6) (2	0	

Figure 8-11. Successful execution of the Check Customizing Settings Prior to Migration step

The next step before starting preparation is to set number of jobs for activities in mass data framework. The menu path is SPRO ➤ Preparations and Migration of Customizing ➤ Set Number of Jobs for Activities in Mass Data Framework.

This divides the data into packages and starts parallel jobs to process the data in parallel. in this step, you define the number of jobs for each activity, into which the system divides the dataset to be migrated. Refer to SAP Note 2351294.

Figure 8-12 shows ten jobs for each activity. You may increase or decrease the number of jobs.

mber of Jobs for Migration Activities			
ctivity		Target no of Jobs	
xecute After-Import Methods in Upgrade	•	10	-
nitial Depreciation Calculation		10	-
heck Customizing Settings	•	10	
igrate House Bank Account (T012K) to Bank Account	-	10	
efault Assignment for Cost Elements	•	10	
ata Migration into Unified Journal: Aggregate Deltas	•	10	
nrich Transactional Data	•	10	
heck Consistency of G/L Accounts and Cost Elements	•	10	
igrate Material Ledger Master Data	•	10	
igrate Material Ledger Order History	•	10	
heck Material Ledger Master Data	•	10	
heck ML Production Order and Purchase Order History	•	10	
AP Accounting on HANA: Data Migration	•	10	
ata Migration into Unified Journal: Line Items	•	10	
nalysis of Transactional Data	•	10	
econciliation of Transactional Data	•	10	
heck Enrichment of Transactional Data	•	10	
heck Migration of Journal Entry	•	10	
heck Migration of Balances	•	10	-

Figure 8-12. Set the number of jobs and activities in the Mass Data framework

Preparations and Migration of Customizing for GL

After the previous two steps, you'll start the Preparations and Migration of Customizing for General Ledger. The menu path is SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing for General Ledger.

This process has the following substeps:

1. Check and adopt fiscal year variants

- 2. Define currency settings for migration
- 3. Migrate General Ledger customizing
- 4. Define settings for ledgers and currency types
- 5. Additional settings
- 6. Review the assignment of ledger and company code to Acc. principles
- 7. Define the ledger for CO version
- 8. Define document types for postings in CO
- 9. Define document type mapping for CO business transactions
- 10. Check and define default values for postings in CO
- 11. Define offsetting account determination type
- 12. Define the Source Ledger for migration of balances
- 13. Check and define settings for substitution for cost-of-sales accounting
- 14. Check and define settings of the Controlling Area
- Execute consistency check of General Ledger settings (see Figure 8-13)

Display IMG				
🏷 🚺 🖷 🕴 Existing I	BC Sets & BC Sets for Activity	$\mathcal{C}\!$	Change Log	Where Else Used
Structure				
 Conversion 	n of Accounting to SAP S/4HANA	A Contraction of the second seco		
• 🗟 🛛 Info: S	SAP S/4HANA Customizing and Da	ata Migration		
	rations and Migration of Customizi			
	eck Customizing Settings Prior to	-		
	t Number of Jobs for Activities in			
	eparations and Migration of Custo			
= :	Check and Adopt Fiscal Year Va			
	Define Currency Settings for Mig			
	Migrate General Ledger Custom			
	 Define Settings for Ledgers and 	Currency Types		
, B.A.	Additional Settings	and Company Code to Acc. Driverials		
		er and Company Code to AccPrinciple	5	
=	 Define Ledger for CO Version Define Document Types for Post 	tings in Controlling		
	 Define Document Type Mapping 			
	 Check and Define Default Value 			
	 Define Offsetting Account Dete 			
	 Define Source Ledger for Migrat 			
		ubstitution for Cost-of-Sales Accounting		
= :	 Check and Define Settings of Co 		9	
	• Execute Consistency Check of C			
V	Execute consistency cileck of t	Serierar Leuger Settings		

Figure 8-13. The substeps for preparing the Migration of GL

The following is a brief explanation of the previous steps.

Check and Adopt Fiscal Year Variants

Here, you need to compare the fiscal year variants between controlling areas and their assigned company codes. When executing this IMG activity, the system compares fiscal year variants between Controlling and Financial Accounting.

If the system does not meet the conversion prerequisites, it sends a proposal for the configuration change upon executing this IMG task.

If the source system has multiple controlling areas, it must be run for all controlling areas used in production (see Figures 8-14 and 8-15).

Compare Fiscal Yea	ar Variants Betwee	n CO and FI	
(b)			
Input Parameter			
Controling Area		to	\$

Figure 8-14. Program input screen

C Information	×
No changes required for fiscal year variants	2
	V®

Figure 8-15. Output and SAP recommendation

Define Currency Settings for Migration

Here, you configure currency settings for migration. This IMG task helps in creating currency settings for migration to ensure that the universal journal contains amounts for the needed currency types. If you don't provide the exchange rate type here, the affected items will be migrated with an amount of zero. First define the exchange rate type (see Figure 8-16).

Change View "Defin	e Exchange Rate	e Types": Details	
🎾 🖬 🗠 🟭 📴			
Dialog Structure	Define Exchange Rate	Туреѕ	
Calculate Amounts for Pi	Exchange rate type	M Standard translation at average rate	_

Figure 8-16. An example of configuration

The calculation depends on the posting date and the exchange rate types you specify here. In my example, I configured the sub-screen "Calculate Amounts for Prev. CO Specify. Currencies," as shown in Figure 8-17.

Define Exchange Rate Types Or previously CO specific currencies
Define Exchange Rate Types Or previously CO specific currencies Define Exchange Rate Types Or previously CO specific currencies
Cl Calculate Amounts for Prev. CO Specif. Currencies
E de la companya de
For previously CO specific transaction currencies 1 Use Document Currency for All Valuations

Figure 8-17. Calculate Amounts for Prev. CO Specify. Currencies

Migrate General Ledger Customizing

Here, you migrate the General Ledger customizing to the new S/4HANA configuration.

The following settings are migrated:

- Assignment of company codes to ledgers
- Currency settings of the ledgers
- Fiscal year variant of the ledgers
- Open period variant of the ledgers
- Settings for real-time integration of CO-FI (see Figures 8-18 and 8-19)

View Cluster Mainten	FINSVC_LEDGER
Request	Customizing request
Short Description	test- Not to transport

Figure 8-18. Customizing request step. This can be moved to QAS and PRD

Messages								
🕄 🔞 😚 Technical Information	B							
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
26.10.2021 03:52:43	2	FINS_ACDOC	SFIN	SFIN Migration	FINS_MIG	CL_FINS_F	Dialog pro	0000000000003011061
Ser. A 영영() (3) 또. 3 T. Message Text						LTxt		
Ledger OL successfully migrated	1							
	stomizing s	uccessfully perform	ed			1		

Figure 8-19. The output of "migrate General Ledger Customizing" when there is only one ledger

If you have more ledgers in the source system, the Migration screen appears, as shown in Figure 8-20.

N A	-							
S 🔞 🖓 Technical Information	1							
Date/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
30.12.2021 05:33:12	5	FINS_ACDOC	SFIN	SFIN Migration	FINS_MIG	CL_FINS_F	Dialog pro	000000000000143724
	. 1966 .	B. 6 - Ca		<u>()</u> @(0) (∆0)	05			
Karia (M)	. <u>%</u>	B (0, (2)		9 0 \(0 \)	05	LTxt		
T Message Text	 .][%]	8 <mark>. 619</mark>		X 0 (40)	05	LTxt		
T Message Text	. <u>%</u> .) (1) () (1) (1)		1 20 (05	LTxt		
T Message Text D Ledger OL successfully migrated	. <u>%</u> .) (2) (7) (8)) (0 () () () () () () () () () (<u>s</u>	LTxt		
 Ledger 0L successfully migrated Ledger IF successfully migrated)(0 0)(00)(<u>s</u>	LTxt		

Figure 8-20. If the source system has multiple ledgers, you'll see this after executing the "Migrate General Ledger Customizing" step

Note that if the source system has multiple ledgers, they migrate all at once. The system creates customizing requests. You can move the requests to QAS and PRD without requiring re-execution in the QAS and PRD systems.

Define Settings for Ledgers and Currency Types

The currency types and currency conversion settings that you use in Accounting can be edited. You can also define ledger settings and assign accounting principles for ledgers to the company codes.

This is a mandatory configuration and company codes should have been configured with currency, fiscal year variant, and open period variant (see Figure 8-21).

💔 New Entries 🛅 强 🖒		60 60 All Table Views							
Dialog Structure	Ledger								
Currency Types	Ledger	Ledger Name	Leading	Ldgr Type	ExtLdgrTyp	Underlying Ledger	Valuation View	Subtype Val	Man.Pstgs Not All
Global Currency Conversi Global Currency Conversion Set Gledger	OL	Leading Ledger		Standard Ledger	▼ Standard jo_ ▼			•	
Company Code Setti Accounting Princ									

Figure 8-21. Define the settings for ledgers and currency types

During this step, if there is profit center activation needed, the system sends messages like the ones shown in Figure 8-22.

Change View "Ledge	er".	: OI	/er	view						
💖 New Entries 🗈 🖬 🕼	B	.	ß	🚰 🚰 All Table Views						
Dialog Structure		edge	r							
Currency Types		Ledg	er	Ledger Name	Leading	Ldgr Type	ExtLdgrTyp	Underlyi	ng Ledger	Va
Global Currency Conversi Gurrency Conversion Set		OL		Leading Ledger	✓	-	-			
 Calledger 		🖙 Consistency Check: Display messages 🛛 🕅								
 Company Code Setti 	Ι,									
Carter Accounting Prince		Тур	Ite	Message Text				LI	Ixt	_
	-[Δ	000	Some internal inconsiste	ncies ha	ve been found:		6		_
				"FI-GL (new)" scen. FIN_						
	-		000	"FI-GL (new)" scen. FIN_	PCA used	in ldgr IF; activa	te PrCtr Acctng	in 👔	2	-

Figure 8-22. Requirements of profit center activation

After the system conversion is completed, you'll need to configure basic settings for profit center accounting.

Additional Settings

The configuration steps shown in Figure 8-23 are self-explanatory. You should not need more explanation about this.

	benne becongs for Longers and canoney Types
-	Additional Settings
• 🛃	Define Accounting Principles
• 🛃	Assign Accounting Principle to Ledger Groups
• 🛃	Define Valuation Areas
	Assign Valuation Areas and Accounting Principles

Figure 8-23. Additional configuration needed

Review the Assignment of Ledger and Company Code to Acc.-Principles

This IMG task provides an overview of which accounting principles are assigned to which combinations of ledger and company code. You can delete unwanted assignments of ledger and company code settings. Refer to the SAP Help before you complete this configuration (see Figure 8-24).

	rw Entries	1 1 100 1				
lssign	ment of Ledg	er and Comp	any Code to AccPrinciples			
Le	Company	Acc.Princ.	Name of Accounting Principle	Company Name	Ledger Name	
OL		60	JFRS / PI	SAP A.G.	Ledger OL	•
OL		GAAP	Generally Accepted Accounting Principles	SAP A.G.	Ledger OL	
OL .	-	IAS	International Accounting Standards	SAP A.G.	Ledger OL	
OL		USAP	USA GAAP	SAP US (IS-HT-SW)	Ledger OL	
OL		60	IFRS / PI	IS-8 Musterbank Deutschl.	Ledger OL	
OL		60	IFRS / PI	Country Template AR	Ledger OL	
OL		60	IFRS / PI	Country Template AR	Ledger OL	
DL		60	JFRS / PI	Country Template AT	Ledger OL	
OL		60	IFRS / PI	Country Template AU	Ledger OL	

Figure 8-24. Review the assignment of ledger and company code to Acc.-Principles

Define Ledger for CO Version

Here, you assign G/L ledgers to control (CO) versions. CO version 0 must be assigned to the Leading Ledger. You can't assign a CO version to an extension ledger.

The Leading Ledger 0L must be always assigned to CO version 0. The Leading Ledger is representative of Controlling (see Figure 8-25).

New Entrie	s 🐚 🔂 🕼 🗒	888				
Ledger From W	hich CO Reads Acts	ual Data				
CO Area	Version	Ledger (Compat.)	Controling Area Name	Version Description	Ledger Name	
	0	011	Chtroling Area A000	Plan/actual version	Ledger GL	
	0	05	Country Template UAE		Ledger GL	
	0	05.	Kostenrechnungskreis	Plan/Actual Version	Ledger GL	
	0	30	Kostenrechnungskreis	Plan/Act - Version	Ledger GL	
	0	05	Kostenrechnungskreis	Plan/Actual Version	Ledger GL	
	0	05.	Kostenrechnungskreis	Plan/actual version	Ledger CL	
	0	0L	Kosterrechnungskreis	Plan Version 0	Ledger GL	

Figure 8-25. Ledger for CO version

Define Document Types for Postings in CO

Here, you have to create new document types for postings in the Controlling. This task has to be done using transaction OBA7. In SAP S/4HANA, we have a separate document type for controlling postings with the indicator G/L account set. In SAP S/4HANA, all controlling business transactions also use document type CO (see Figures 8-26 and 8-27).

Change	e View "Documen	t Types": Overview
2 🕄 Ne	ew Entries 🛯 🔒 🖒 🛛	
Туре	Description	
AA	Asset Posting	A
AB	Journal Entry	
AD	Accruals/Deferrals	
AF	Depreciation Pstngs	
AN	Net Asset Posting	
AP	Periodic asset post	
cc	Sec. Cost CrossComp.	
СН	Contract Settlement	
CL	CL/OP FY Postings	
со	Secondary Cost	

Figure 8-26. Newly created document types for CO and CC

New Entries: Details of Adde	ed Entries	
[™] 😼 🗟 🗟		
Document Type CC		
Properties		
Number range 24 Reverse Document Type CC Authorization Group Image: Colored Co	Number range information	
Account types allowed	Control data	
 Assets Customer Vendor Material ✓ G/L Account ✓ Secondary Costs 	 Net document type Cust/vend Check Negative Postings Permitted Inter-Company Enter trading partner 	
Special usage	Default values	
BI Only	Exchange Rate Type for FC Documents	
Required during document entry	Joint venture	
Reference Number Document Header Text	Debit Rec.Indic Rec.Ind. Credit	

Figure 8-27. CC document type properties

Normal postings and cross-company postings will have separate document types per business transaction. So create the CC document type for cross-postings.

Defining the CO Document Type

See Figures 8-28 and 8-29.

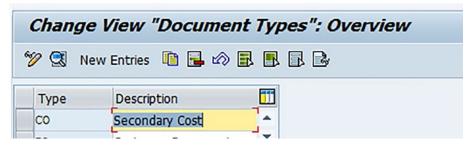


Figure 8-28. Document types overview

Change View "Document Types	s": Details
🎾 New Entries 🐚 🖬 🖒 🕼 👪 🔜	,
Document Type CO Secondary Cost	
Properties	
Number range 23 Reverse DocumentType CO	Number range information
Authorization Group	
Account types allowed	Control data
Assets	Net document type
Customer	Cust/vend Check
Vendor	✓ Negative Postings Permitted
Material	Inter-Company
✓ G/L Account	Enter trading partner
Secondary Costs	
Special usage	Default values
BI Only	Exchange Rate Type for FC Documents
Required during document entry	Joint venture
Reference Number	Debit Rec.Indic
Document Header Text	Rec.Ind. Credit

Figure 8-29. Creation of CO document type and its properties to be configured

Define Document Type Mapping for CO Business Transactions

Here, you define a mapping variant that maps CO business transactions to document types. This is to be assigned to all CO business transactions that do actual postings.

The mapping variant 000000100 is provided as an example. This variant maps all CO business transactions to the document type CO (see Figures 8-30 and 8-31).

🞾 New Entries 🗈 🔂 🕼				
Dialog Structure	Variant for Mapping CO T	ransact. to Doc. Types		
Variant for Mapping CO	DocType Mapping Var.	Text	Default Variant	6
Mapping of CO Bus.	0000000001	Standard	1 0	1 7
	000000A000	CO-FI Real-Time Integration for s-innovations		

Figure 8-30. CO Mapping variant

 Variant for Mapping CO * 	DocType Mapping Var	. 000000100			
 Mapping of CO Bus. 	Mapping of CO Bus.	Transactions to Document Types			
	CO Business Tra		Document Type	Cross-Company Document Type	
	AAAT	Univ. Allocation Top Dw. Dist.	CO	cc	-
	лсал	Univ. Allocation CC Act. Assm.	co	cc	¥
	ACAD	Univ. Allocation CC Act. Dist.	CO	cc	
	AMAA	Univ. Allocation PA Act. Assm.	co	cc	
	CPPA	ABC Actual process assessment	co	cc	
	GPDP	Distribution Primary Costs	CO	cc	
	GPDS	Distribution Secondary Costs	CO	cc	
	JRIU	JV-Seg.adjustm.assessment	CO	cc	
	JRIV	JV-Seg.adjustm.distribution	CO	cc	
	JVIU	JV Actual assessment	CO	cc	
	JVIV	JV Actual distribution	co	00	
	JV01	JV Reposting costs	CO	cc	
	KAFD	External data transfer	CO	[cd]	
	KAMV	Manual cost allocation	CO	cc	
	KAZI	Actual cost center accrual	co	cc	
	KAZO	Down payment	CO	cc	
	KFPI	Transfer price allocation	CO	cc	
					٠ >

Figure 8-31. CO document types assigned to the mapping variant

Check and Define Default Values for Postings in CO

Here, you define the default values for use in CO business transactions whose user interfaces do not allow you to enter a document type or a ledger group for posting purposes (see Figure 8-32).

		for Postings in Contr 9		
Default Values for Pos	tings in Controlling			
Company Code	Valid From	Default Ledger Group	DocType Mapping Var.	
	01.01.1900	ſ	00000001	-
	01.01.1900		000000001	-
	01.01.1900		000000001	
	01.01.1900		000000000000000000000000000000000000000	
	01.01.1900	OL	00000000000	
	01.01.1900	OL	0000000000	
	01.01.1900		000000001	

Figure 8-32. Check and define default values for postings in CO

Define Offsetting Account Determination Type

SAP recommends choosing the highest amount option, as shown in Figure 8-33.

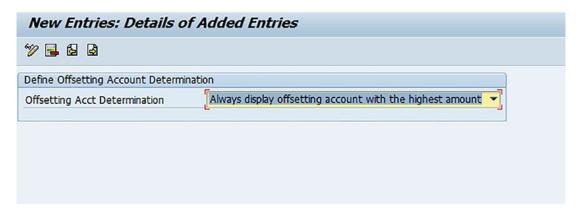


Figure 8-33. Configuration needed for "Define Offsetting Account Determination Type"

Define Source Ledger for Migration of Balances

In this activity you define the source and target ledgers. In the following example, the current ECC system has a new GL. So, there is a source 0L and a target 0L (see Figure 8-34).

Ch	ang	e View	"Source Le	edger	for Migration of Balances": Overview
9	N 🕄	ew Entries	🐚 🖬 🕼 🛛		R B
Sou	rce Le	dger for Mi	igration of Balan	ces	
Ld	CoCd	Year	Src.Ledger		
OL		2007	้อป		

Figure 8-34. New GL as source

If the current system has a classic GL, the source ledger is 00 and 0L is used as the target ledger (see Figure 8-35).



Figure 8-35. New classic GL as source

If the customer used the first classic ledger and then moved to a new GL, this entry should be shown as follows (see Figure 8-36):

Entry 1:

```
Target Ledger: 0L
Company Code: 1000
From Year: 2000
Source Ledger: 00
Entry 2:
Target Ledger: 0L
```

Company Code:1000 From Year: 2008 Source Ledger: 0L

Cha	ang	e View	"Source L	edge	er for Migration of Balances": Overview
9	3 N	ew Entrie	s 🛅 🔂 🖒	88	
Sour	ce Le	dger for I	ligration of Balan	ces	1
Ld	CoCd	Year	Src.Ledger	1	3
OL		2000	00	0 -	•
OL		2008	OL		

Figure 8-36. Source ledger configuration (00 for Class GL entry/0L for New GL entry)

Check and Define Settings for Substitution for Cost-of-Sales Accounting

This task is relevant when you are using functional areas for cost-of-sales accounting (see Figure 8-37).

Char	ige Vi	iew "Substit	tution for Cost-	of-Sales Accounting": Overview
P Ne	w entrie	s 🗈 🖬 🗠 🛛	8 🖪 🖪	
CoCd	CallPnt	Substitution	Activtn level	
	6	DUMMY	D	^
	6	DUMMY	1	· · · · · · · · · · · · · · · · · · ·
_	6	DUMMY	1	
				33
				1

Figure 8-37. Check and define settings for substitution for cost-of-sales accounting

Check and Define Settings of Controlling Area

This task is to check the settings of controlling areas, activate components/control indicators, and indicate the CoCd validation at least for the current fiscal year and all future fiscal years.

You cannot make postings to account assignment objects such as cost centers or orders in SAP S/4HANA from company codes other than the company code defined in the master data of the account assignment object (see Figure 8-38).

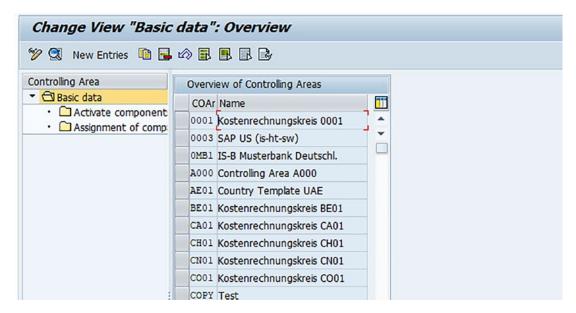


Figure 8-38. Controlling area configuration

Execute Consistency Check of GL Settings

This check should not have any error messages, as shown in Figure 8-39.

M	essages								
g	Son Technical Information								
Dat	e/Time/User	Nu	External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
۰.	△ 26.10.2021 04:13:34 SRAVI	4	CURR_CONV_S	SFIN	FINS_CUST_CH	FINS_CUS	CL_FINS_F	. Dialog pro	0000000000003011062
Sel	. A 7 M B 7. 2		20,6		Θ 0 Δ2 (12			
	. AVM BV. Z	. 🏂 .	BØ.C		Ø0 △2 (2	LTxt		
&r T ∆	L				Ø 0 (∆2 (2			
T	Message Text	n Contro	ling for comp. c	ode mai is OL	₩ 0 △2 (2	LTxt @		
T	Message Text Default ledger group for postings i	n Contro	ling for comp. c	ode mai is OL	₩ 0 △2 (2			

Figure 8-39. Execute consistency check of General Ledger settings

After all of these steps are complete, the first preparation activity is done. The next preparation activity is "Preparations and Migration of Customizing - Accrual Engine."

You must now verify activation of the Business Functions for S/4HANA Finance (see Figure 8-40).

CES - Switch Framewor	rk: Change Busi	iness Function Status		
Geneck 🖒 Discard Changes	👫 Activate Changes	Switch Framework Browser	🚱 Display Legend	
Business Function Set		•		
Name	Descr	ription	Planned Status	Dep
· :0: FIN_FSCM_INTEGRATI · :0: FIN_GL_CL_1 · :0: FIN_GL_CL_2 · :0: FIN_GL_CL_3	New G	Integration Seneral Ledger Accounting Seneral Ledger Accounting 2 Seneral Ledger Accounting 3	Business func. will remain activated Business func. will remain activated Business func. will remain activated Business func. will remain activated	4

Figure 8-40. FIN_GL_CI_1 to 3 Business Functions activation verification

Preparation and Migration of Customizing: Accrual Engine

Here are the substeps:

- Preparations and Migration of Customizing Accrual Engine
- Migration Precheck for Customizing
- Migrate Customizing for Accrual Engine
- Manual Migration Steps for Account Determination
- Manual Migration Steps for Validation

- Transform Customer-Developed Accrual Methods into ABAP Classes
- Replace BAdI Implementations Used to Modify Accrual Postings
- Preparation of Migration of Transactional Data

These steps are necessary if the current system has an Accrual Engine. You must migrate customizing settings for the Accrual Engine.

Migration Precheck for Customizing

A new Accrual Engine has been released with SAP S/4HANA 1809. It integrates with the General Ledger and supports all currencies in the General Ledger.

As of now, the old Accrual Engine still exists and is still being used by applications such as the following:

- Accruals for Rights Management
- Revenue Recognition for License Sales
- Accruals for License Acquisitions
- Accruals for Real Estates

After a conversion or upgrade to release S/4HANA 1809 or higher, you need to migrate old data to the new tables of the S/4HANA Accrual Engine. Refer to SAP Note 2795791. Verify if this is relevant for your system

The migration is necessary after an upgrade from SAP S/4HANA version less than 1809 to a version higher than or equal to 1809, or when you are converting the system from ECC or Simple Finance.

The transactional data of the Accrual Engine consists of Accrual Objects and Accrual Postings.

The S/4HANA Accrual Engine has changed the data model of customizing and transactional data. Several of the old tables have been replaced with new tables. Both types of tables, customizing and transactional data, need to be migrated after the customer has upgraded to S/4HANA 1809 or higher.

Consultants can perform the migration of Accrual Engine customizing with the SPRO task to migrate customizing for the Accrual Engine. The transaction code is ACE_MIGRATE_CUST.

The menu path is as follows: SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Accrual Engine.

Or you can use the ACEMIGIMG transaction (see Figure 8-41).

Disp	olay IMG
∀ 🚛	🖷 Existing BC Sets 🔗 BC Sets for Activity 🔗 Activated BC Sets for Activity Chan
Structu	re
•	Accrual Engine Data Migration
•	Migration of Customizing for Accrual Engine
•	Migration of Transactional data of Accrual Engine

Figure 8-41. IMG transaction ACEMIGIMG

This transaction has documentation, which you can access by pressing the F1 button.

Step 1: Migration of Accrual Engine Customizing. The menu path is Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Accrual Engine.

Step 2: The menu path is Migration of Accrual Engine Transactional Data (= accrual objects and accrual postings): Conversion of Accounting to SAP S/4HANA >>> Activities after Migration >>> Migration of Accrual Engine Data. This migration can only be performed after the migration of all other postings in the system (see Figure 8-42).

Structure	isting BC Sets & BC Sets for Activity Activated BC Sets for Activit Data Migration Activities after Migration Transfer Application Indexes Display Status of Transfer of Application Indexes
· B	Activities after Migration Transfer Application Indexes Display Status of Transfer of Application Indexes
· B G	Activities after Migration Transfer Application Indexes Display Status of Transfer of Application Indexes
· 🗟 🤃	Display Status of Transfer of Application Indexes
· 🗟 🤅	 Fill the Offsetting Account in FI Documents Display Status of Filling the Offsetting Account in FI Documents Enrichment of Balance Carryforward Manual Activities for Trade Finance Manual Activities for Credit Management Migration of Accrual Engine Data

Figure 8-42. The menu path of Migration of ACE

Migration of Customizing and Migration of Transactional Data

The content of the customizing tables is migrated in the customizing system. Afterward, the result of this migration is transported into the productive system (see Figure 8-43).

Migration Precheck f	or Customizing		
₽			
eneral Data Selections			
Application Component	ACAC	_	

Figure 8-43. Migration precheck

Migrate customizing for the Accrual Engine (see Figure 8-44).

Migrate Customizing for A	ccrual Engine
• •	
General Data Selections Application Component	
Control Parameters	
 Reset ✓ Test Run 	
Log Display Section 2.1 Section 2.1	
Date/Time/User Nu External ID O. Transac Program • • • 02.11.2021 12:27:1 13 2021.11.02 12 ACE_MIG CL_ACE_MESSAGE_HANDLER==	Image: Control of the state of the stat

Figure 8-44. Migration of customizing

Using the ACEMIGIMG transaction, you can display the content of the account determination of the old Accrual Engine in the Display Pre-Migration Content folder (see Figure 8-45).

Disp	olay I	10				
∀ 🚺	rî	Existing BC Sets	& BC Sets for Activity	Activated BC Sets for Activity	Change Log	W
Structu	ire					
* • •	м В Ф	Migration Preche Migrate Customia	gration izing for Accrual Engine ck for Customizing ing for Accrual Engine Steps for Account Deter	mination		
	÷B,	Migrate and C	Configure Account Detern ermination for Manual Acc	nination Settings		
) +	Create Po	-Migration Content			
		_	and Edit Account Determ ed Account Determinatio			
· · ·		Transform Custo Replace BAdI In Preparation of M igration of Transa Run Project for I Set Status of Ma Display Status of	Steps for Validation mer-Developed Accrual M inplementations Used to M igration of Transactional D ttional data of Accrual Eng Migrating Transactional Da ss Data Project to Compl Projects for Accrual Engli Migration Projects for Co	Data gine ta of Accrual Engine eted ne Migration		

Figure 8-45. Display pre-migration content

Manual Migration Steps for Account Determination

This step restores the account determination settings so that you can use the manual accruals functions again after migration.

You can display your pre-migration account determination settings as a reference. Use these settings as a basis for your new account determination for manual accruals.

If you used the simple account determination in the old Accrual Engine, you need to enter two rows in the account determination of the SAP S/4HANA Accrual Engine for each row of the account determination of the old Accrual Engine.

In the simple account determination of the old Accrual Engine, each row contained a start account and a target account, while the account determination of the SAP S/4HANA Accrual Engine contains only one account in each row.

Can You Use the System Before the Migration of Accrual Engine Data?

Yes, you can use the system and perform all kinds of postings without performing this Accrual Engine migration. The applications related to Accrual Engine will not work until the Accrual Engine is migrated. At a different point in time, the Accrual Engine can be migrated. In my earlier projects, I planned this process on the weekend after the system went live.

Does the Authorization Change?

The S/4HANA Accrual Engine uses new authorization objects:

- F_ACES_DST contains the ledger instead of accounting principle.
- F_ACES_PST contains the application component and activity.

It does not contain the company code, because during posting the additional authorization object F_FAGL_LDR is checked, which contains the company code and ledger.

To restrict the posting authorization to a single application, components of the Accrual Engine object F_ACES_PST are used.

• To perform the adjustment, review and/or approval of periodic accrual amounts, use the auth object F_ACES_PER.

Preparation and Migration of Customizing for AA

After performing the "Preparation and Migration of Customizing - Accrual Engine" step, you are ready to move to the "Preparation and Migration of Customizing for AA" step.

The menu path is as follows SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Asset Accounting (see Figure 8-46).

Display I	TMG
ତ 🚺 🖻	Existing BC Sets & BC Sets for Activity & Activated BC Sets for Activity
Structure	
• 🗟 🕀	Activate Business Functions
-	Conversion of Accounting to SAP S/4HANA
• 🛃	Info: SAP S/4HANA Customizing and Data Migration
•	Preparations and Migration of Customizing
• [🛃 🕀 Check Customizing Settings Prior to Migration
• [🗟 🕒 Set Number of Jobs for Activities in Mass Data Framework
•	Preparations and Migration of Customizing for General Ledger
•	Preparations and Migration of Customizing for Accrual Engine
,	Preparations and Migration of Customizing for Asset Accounting

Figure 8-46. Preparation and Migration of Customizing for Asset Accounting

Asset Accounting migration can broadly be classified into two activities:

- Migration from Classic to New Asset Accounting
- Adjustments in New Asset Accounting

Migration from Classic to New Asset Accounting can be classified further:

- 1. Prepare New Asset Accounting
- 2. Migration for New Asset Accounting Migrate charts of depreciation and perform additional manual activities
- 3. Check prerequisites for activating the new AA
- 4. Activate Asset Accounting (New)

Adjustments in New Asset Accounting can be classified further:

- 1. Adjust parameters in chart of depreciation
- 2. Create the technical clearing account
- 3. Other basic configuration needed for using New Asset Accounting on SAP S/4HANA

If the source system is on a Classic Asset Accounting or a New Asset Accounting on SAP ECC, you have to migrate to New Asset Accounting on SAP S/4HANA. To do this, you have to complete certain activities. This is a mandatory activity.

Here is an overview of the preparation steps in the source ECC system before SUM:

- 1. Complete period-end closing for Asset Accounting for all the previous years and open the current fiscal year.
- 2. Complete reconciliation of the asset subsidiary ledger with the General Ledger.
- 3. Adjust chart of depreciation as per currencies and accounting principles (ledgers).
- 4. Run the RASFIN_MIGR_PRECHECK program. (This program is included in the SI Checks.)

Is Migration of Chart of Depreciation Needed for All Systems?

This is based on the source system's starting situations. Consider these example scenarios:

- New General Ledger Accounting, classic Asset Accounting, accounts approach Migration needed
- Classic General Ledger Accounting, classic Asset Accounting, accounts approach Migration needed
- New General Ledger Accounting, classic Asset Accounting, ledger approach Migration needed
- New Asset Accounting on EHP7 or Higher Migration needed New Asset Accounting on EHP7 on HANA Migration needed
- New Asset Accounting on Simple Finance 1503 or 1605 No need of chart of depreciation migration
- New Asset Accounting on 1610 or Higher and customer doing upgrade No migration needed.

Migrating a Chart of Depreciation

Once you verify all the preparation activities for migrating a chart of depreciation, you will follow the IMG path to migrate.

The menu path is SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing for Asset Accounting >>> Migration from Classic to New Asset Accounting >>> Migrate Charts of Depreciation (see Figure 8-47).

Display IMG			
😵 🛃 🖷 Existing BC Sets	\mathcal{R}° BC Sets for Activity	& Activated BC Sets for Activity	Change I
Structure			
	pare New Asset Accountin ation for New Asset Acco		
	Migrate Charts of Deprecia		
	Display Migration Log		
	Perform Additional Manual		
		ctivating Asset Accounting (New)	
• 🗟 😔 Acti	vate Asset Accounting (N	lew)	

Figure 8-47. Migration for New AA

Execute these steps:

- 1. Perform the migration in a test run.
- 2. Check the applicable log to correct any errors.
- 3. Execute the migration in the update run.

You can display the migration log of all migrations performed in a test run or an update run from the Customizing for Asset Accounting, under the Display Migration Log. (You can see the IMG task in Figure 8-47.)

You might wonder if there are errors while migrating charts of depreciation, whether you can do the changes to the chart of deprecation manually. Indeed you can. Verify the following and assign ledgers and other depreciation parameters properly

- Assign accounting principles and ledger groups to depreciation areas: SPRO >>> Asset Accounting >>> General Valuation >>> Depreciation Areas >>> Define Depreciation Areas
- Settings for posting to the GL: SPRO >>> Asset Accounting
 >> General Valuation >>> Depreciation Areas >>> Define
 Depreciation Areas
- Value transfer acquisition costs and production costs: SPRO >>> Asset Accounting >>> General Valuation >>> Depreciation Areas >>> Specify Transfer of APC Values

- Transfer of depreciation terms: SPRO >>> Asset Accounting >>> General Valuation >>> Depreciation Areas >>> Specify Transfer of Depreciation Terms
- Use of parallel currencies: SPRO >>> Asset Accounting >>> General Valuation >>> Currencies >>> Specify the Use of Parallel Currencies

Performing Additional Manual Activities

Once the chart of depreciation has been migrated successfully (either manually or by the program automatically), you can change other customizing settings before activating New Asset Accounting.

For example:

- Define Depreciation Area for Quantity Update: Asset Accounting
 >> Valuation >>> Depreciation Areas >>> Specify Depreciation
 Area for Quantity Update
- 2. Define Technical Clearing Account for Integrated Asset Acquisition: Asset Accounting >>> Integration with General Ledger Accounting >>> Technical Clearing Account for Integrated Asset Acquisition >>> Define Technical Clearing Account for Integrated Asset Acquisition
- 3. Specify Alternative Document Type for Accounting-Principle-Specific Documents: Asset Accounting >>> Integration with General Ledger Accounting >>> Integrated Transactions: Alternative Document Type for Ledger-Group-Specific Documents >>> Specify Alternative Document Type for Accounting-Principle-Specific Documents
- 4. Specify Revenue Distribution for Asset Retirement: Asset Accounting >>> Transactions >>> Retirements >>> Gain/ Loss Posting >>> Define Revenue Distribution for Fixed Asset Retirement

5. Post Net Book Value Instead of Gain/Loss: Asset Accounting >>> Transactions >>> Retirements >>> Gain/Loss Posting >>> Post Net Book Value Instead of Gain/Loss >>> Subactivity Specify Depreciation Areas for Net Book Value Posting

What Is a Technical Clearing Account?

This account is necessary to post an integrated asset acquisition in SAP S/4HANA. The system splits transactional data into an operational part and a valuating part:

- The operational part is the vendor invoice.
- The valuating part is asset posting with capitalization of the asset.

SAP S/4HANA system generates ledger-group-specific documents with this setup. It posts documents in all the accounting principles in one attempt.

How do you create this GL account? The menu path is /N Accounting >>> Financial Accounting >>> General Ledger >>> Master Records >>> G/L Accounts >>> Individual Processing >>> Centrally (transaction FS00) (see Figure 8-48).

Display G/L Acco	ount Centrally
🖬 i 🕹 i 🔊 🕲 i 🖓 👘 🖄	Edit financial statement version Edit set Time-Dependent Attributes
/L Account 16014000	Technical Clrng Acct Integrated Asset Acquisition
	y Code 1710 🔗 🖉 🗋 🗰 With Template 🗎 🗊
Type/Description Control Da	ta Create/bank/interest Key word/translation I
Control in Chart of Accounts YCOA	Standard Chart of Accounts
G/L Account Type	Balance Sheet Account
Account Group	Fixed assets accounts
Detailed Control for P&L Statemer	nt Accounts
Functional Area	
Description	
Short Text	TecCing Int AAcqu
G/L Acct Long Text	Technical Cirng Acct Integrated Asset Acquisition
Consolidation Data in Chart of Acco	unts YCOA Standard Chart of Accounts
Trading Partner No.	
Group Account Number	161600 Other property, plant and equipment
Display G/L A	ccount Centrally
ng ∰ ∞ ∞ ∢ →	📅 🖭 🛛 Edit financial statement version 🛛 Edit set 🛛 Time-Dependent Attrib
G/L Account 16014000	Technical Clrng Acct Integrated Asset Acquisition
· ·	npany Code 1710 🔗 🖉 🗋 🗂 With Template
company code 1710 com	
Type/Description Contro	Data Create/bank/interest Key word/translation I
Type/Description Contro	I Data Create/bank/interest Key word/translation I
Account control in company co	de
Account currency	USD United States Dollar
Balances in Local Crcy Only	
Tax Category	Only input tax allowed
Posting without tax allowed	
Recon. Account for Acct Type	Assets
Alternative Account No.	
Alternative Account No.	

Figure 8-48. GL account creation properties

Enter this G/L account into the account determination of Asset Accounting for your chart of accounts in SPRO (see Figure 8-49).



Figure 8-49. SPRO path for "Define Technical Clearing Account for Integrated Asset Acquisition"

Activate Asset Accounting (New)

The menu path is SPRO ➤ Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Asset Accounting >>> Activate Asset Accounting (New) (see Figures 8-50 and 8-51).

€	for Parallel Valuation in FI-AA (New)
lode	
Check Before Import	Activation Check Before Import of Customizing Switch

Figure 8-50. Activation check

🕄 😰 🗞 Technical Information 📘							
Date/Time/User	Nu External ID	Object text	Subobject Text	Transac	Program	Mode	Log number
 31.10.2021 18:22:48 	1 RASFIN_MIGR	Fixed Assets A	Miscellaneous	SE38	RASFIN_M	Dialog pro	\$000002
Problem class Medium	1						
Image: Second			(0 🛆 0 🗖 1				

Figure 8-51. Output of activation check program

Note If the chart of depreciation cannot be migrated automatically by the migration report, you need not worry. Consultants can do the necessary customizing and then perform the migration adjustments manually.

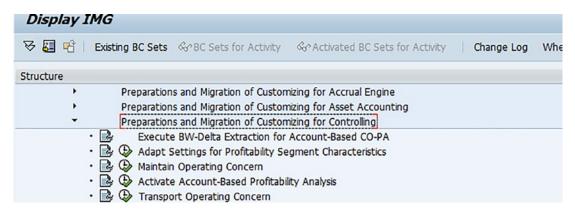
Verify and execute as shown here:

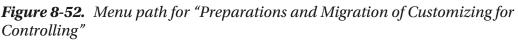
- 1. Check which depreciation areas need to be migrated.
- 2. Verify that the accounting principles are set up correctly.
- 3. Verify that the ledgers and ledger groups are set up.
- 4. Check assignment of accounting principles to ledger groups.
- 5. Verify that the depreciation areas are set up.
- 6. Verify that the accounting principles are assigned to a depreciation area.
- 7. Verify that the posting indicator for each depreciation area is correct.
- 8. Verify that the posting indicator for adoption of APC values is correct.
- 9. Verify that the posting indicator for adoption of depreciation terms is correct.
- 10. Verify the currency type of a depreciation area for parallel currency.

Preparation and Migration of Customizing for Controlling

Once the Asset Accounting preparations completed, you have to start Controlling preparations.

The menu path is SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Controlling (see Figure 8-52).





This task has the following substeps:

- 1. Execute BW-Delta extraction for account-based CO-PA
- 2. Adapt settings for profitability segment characteristics
- 3. Maintain operating concern
- 4. Activate account-based profitability analysis
- 5. Transport operating concern

Step 1: Execute BW-Delta Extraction for Account-Based CO-PA

As account-based CO-PA line items that are not extracted before the migration, they may be overlooked after the migration when the next delta is loaded. If you are not using BW-Delta Extraction for Account-Based CO-PA in our current source environment, this is not needed in your activity list.

Step 2: Adapt Settings for Profitability Segment Characteristics

nocess	ing mode						
			7				
✓ Tes	t run						
4 <i>P</i>							
ating con	cern						
song con		-					
Char.	Description	Not Used	Costing-Based	CostBased+Acc	Distribut,		
Char.	Description	Not Used	Costing-Based	CostBased+Acc	Distribut.	ancel	2
Char.	Description				O E C		٦
Char.	Description	0	0	0	O E C	ncel Profitab. Segment Characteristics" not supported in the finance add-on	
Char.	Description	0	0	0	O E C	"Profitab. Segment Characteristics" not supported	٦
Char.	Description		0	0 0 0	O E C	"Profitab. Segment Characteristics" not supported	٦
Char.	Description		0	0 0 0	O E C	"Profitab. Segment Characteristics" not supported	L L
Char.	Description		0 0 0 0	0 0 0 0	O E C	"Profitab. Segment Characteristics" not supported	L L
Char.	Description		0 0 0 0 0	0 0 0 0 0		"Profitab. Segment Characteristics" not supported	L L
Char.	Description		0 0 0 0 0	0 0 0 0 0 0		"Profitab. Segment Characteristics" not supported	L L
Char.	Description	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0				"Profitab. Segment Characteristics" not supported	L L
Char.	Description	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0				"Profitab. Segment Characteristics" not supported	, L
Char.	Description					"Profitab. Segment Characteristics" not supported	
Char.	Description					"Profitab. Segment Characteristics" not supported	L L

Figure 8-53. Adapt Settings for Profitability Segment Characteristics" execution output

Once you complete this task, you must adapt the settings for profitability segment characteristics (segment level characteristics) made in classic CO-PA (KEQ3), as the function is no longer available in S/4HANA.

Step 3: Maintain Operating Concern

The menu path is SPRO >>> Preparations and Migration of Customizing >>> Preparations and Migration of Customizing for Controlling >>> Maintain Operating Concern.

Here, you will activate operating concerns for account-based profitability analysis. If this setting is not made, the new profitability reporting will not be available. If the source system has COPA with costing-based functionality, you just activate account-based COPA. If the source system already has an account-based COPA, no action is needed. If the source system does not have COPA, no action is needed.

Next, generate the environment.

Important Points

During the conversion project and as a part of the conversion activity, you activate account-based profitability analysis, but don't completely do the configuration. Once the system is live, you will do configuration and testing based on the needs of your customer. Even after conversion, customers can use costing-based profitability analysis.

Preparations and Migration of Customizing for ML

This preparation has two steps, as shown in Figure 8-54.

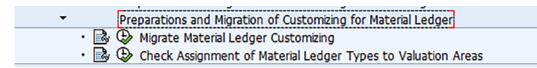


Figure 8-54. Preparation steps for ML

- Preparations and Migration of Customizing for ML
- Migrate Material Ledger Customizing

The Material Ledger is required in SAP S/4 HANA Materials Management. You have to migrate even if you are already using SAP S/4HANA Finance.

Execute this as a test run first. If you get any error messages, contact SAP support. Correct the errors before continuing. Then run it in update mode (see Figure 8-55).

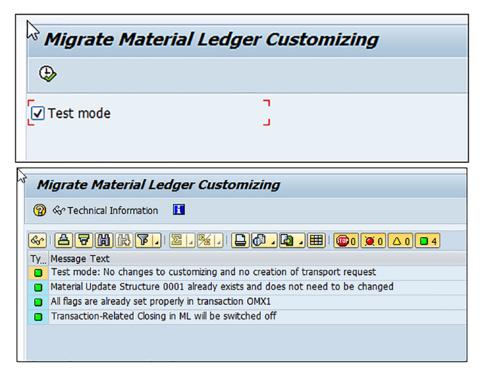


Figure 8-55. Migration of ML customizing

1. Check Assignment of Material Ledger Types - Valuation Areas (see Figure 8-56).

Change View	w "Assignme	nt of Materia	l Ledg	er Types to Valuation Areas":
🦅 New Entries	n 🖬 🗠 🖪 🛛	₿₿₿		
Valuation area	Company Code	Mat. ledger type	Status	
0 Valuation area		9000	Q 🛛	•
		9000		*
		0001		
		0001		22
		0001		
		0001		

Figure 8-56. ML assignments

Preparations for Migration of House Bank Accounts

In order to move house banks and house bank IDs from the ECC system to the SAP S/4HANA system, you need to prepare the system using the following steps.

This task has the following subtasks:

- 1. Define number ranges bank account IDs
- 2. Define number ranges for change requests
- 3. Assign number ranges
- 4. Define settings for the bank account master
- 5. Switch the migration program for the house bank accounts

The menu path is SPRO >>> Conversion of Accounting to SAP S/4HANA >>> Preparations and Migration of Customizing >>> Preparations for Migration of House Bank Accounts (see Figure 8-57).

Display 1	MG
ଷ୍ଟ 👪 🖻	Existing BC Sets & Sets for Activity Sets for Activity Change Log Where E
Structure	
•	Preparations and Migration of Customizing for Material Ledger
•	Preparations for Migration of House Bank Accounts
	🛚 📴 🕀 Define Number Ranges for Bank Account Technical IDs
	🛚 📴 🕀 Define Number Ranges for Change Requests
	🗟 🕀 Assign Number Ranges
	🖻 🕒 Define Settings for Bank Account Master Data
	😼 🕸 Switch Migration Program for House Bank Accounts

Figure 8-57. "Preparations for Migration of House Bank Accounts" menu path

Here are the configuration steps:

1. Define Number Ranges - Bank Account IDs

Create the number range intervals for the bank account technical IDs. The system automatically assigns a technical ID to a bank account when they migrate to S/4HANA (see Figure 8-58).

Edit Intervals:	Account ID, O	bject FC_ACCID	
🦻 🥖 🍣 🛃 层			
Number Range No.	From No.	To Number	

Figure 8-58. Number ranges for bank account technical IDs

2. Define Number Ranges for Change Requests

The intervals for change requests used in Bank Account Management are created as the number range (see Figure 8-59).

ý 🕫							
Q							
Number Range No.	From No.	To Number	NR Status	External			

Figure 8-59. Number ranges for change requests

3. Assign Number Ranges

Assign an interval for the change request IDs to a number range interval for the bank account IDs (see Figure 8-60).

Change View	"Configuration for Bank Account Management": Details
× = ~ = =	
Req. No. Range Tech. ID No. Range	b1 01

Figure 8-60. Number range assignments

4. Define Settings - Bank Account Master.

In this configuration step, you create basic settings for the bank account master data. Define bank account types based on the customer's business purposes. Account types also will be used for analysis in reporting and planning. This configuration is a must for the migration of house bank accounts. As of now, the activities on the left side of Figure 8-61 are not needed. You can define them after conversion based on the usage of the system for cash management.

Dialog Structure	Account T	ype Definition		
Account Type Definition	Туре	Account Type Description	Attribute	
Carl Sensitive Fields for Modification Process Define Selection Variants for Sensitive Fields	01	Current Account	01 Operating Account	•
Define Selection Variants for Sensitive Fields Define Import Methods for Bank Statements Define Payment Approver Groups Define Approval Patterns	02	Current Account (Internal)	01 Operating Account	-
	03	Deposit Account	02 Functional Account	-
	04	Loan Account	02 Functional Account	-
Assign Approval Patterns	05	Investment Account	02 Functional Account	-
 Define Automatic Approval/Rejection 	06	Tax Account	02 Functional Account	-
	07	Margin Account	02 Functional Account	-
	08	Salary Account	02 Functional Account	•
	09	Checking Account	02 Functional Account	-
	10	Lockbox Account	02 Functional Account	-

Figure 8-61. Account types

Another important activity is defining basic settings for Cash Management. Refer to the following menu path: SPRO >>> Financial Supply Chain Management >>> Cash and Liquidity Management >>> General Settings >>> Define Basic Settings (see Figure 8-62).

Display	IMG
ତ୍ର 🚺 🖷	Existing BC Sets & BC Sets for Activity & Activated BC Sets for Activity Cha
Structure	
•	Financial Accounting
-	Financial Supply Chain Management
•	Biller Direct
•	Billing Consolidation
-	Cash and Liquidity Management
-	General Settings
	Market Data
	• 🗟 🕀 Define Basic Settings
	Dank Account Management

Figure 8-62. Define the basic settings

Select Activate Directly to migrate existing houses from ECC to S/4HANA. The Cash Scope is based on the customer input (see Figure 8-63).

Change View "	General Settings for Cash Management": D	etails
🎾 🖶 🖒 🏭 🗟		
General Settings for Cas	h Management	
Cash Scope	Basic Scope	•
Request Grouping	Mass Change Pymt Appr: Group by Company Code	-
Bank Acct Activation	Activate Directly	•

Figure 8-63. Define the basic settings and properties

Data Migration Process

Introduction

Once the preparation activities are completed for conversion of Accounting to SAP S/4HANA on the SAP S/4HANA system (after SUM), and you don't have any errors, your system is then ready to execute the Data Migration Monitor. This lesson provides an overview on how data migration happens.

This activity has three broad activities:

- 1. Execute the migration activity.
- 2. Display the status of the activity.
- 3. Analyze warnings and error messages and fix them. If needed, contact SAP by opening an OSS message with SAP.

Data Migration

The menu path is SPRO>>>> Conversion of Accounting to SAP S/4HANA>>>> Data Migration (see Figure 8-64).

Display IMG			
😽 🛃 📸 Existing BC Se	s & BC Sets for Activit	y & Activated BC Sets for Activity	Char
Structure			
• 🗟 🚯 Activate Busine	s Functions		
 Conversion of A 	ccounting to SAP S/4HAI	IA	
• 🗟 🛛 Info: SAP S/	4HANA Customizing and	Data Migration	
	and Migration of Custom	zing	
 Data Migrati 			
• 🛃 Partition	ng of Universal Journal Er	try Line Items Table	
	ate CDS Views and Field	lapping	
5.6	Transactional Data		
• 📑 🕁 Display S	tatus of Analysis of Trans	actional Data	
	ntation of Data Migration		
5 6	Monitor Data Migration		
	t Accepted Error Messag		
-	of Financial Documents	o Trade Finance	
	anagement Migration		
	e Migration		
 Complet 	e Migration of Financial Do	cuments to Trade Finance	

Figure 8-64. Menu path for executing data migration monitor

Before running the "Start and Monitor Data Migration" task, you need to finish the following tasks sequentially. You need to address all the issues, even if issues persist.

- 1. Partitioning of universal journal entry line items table
- 2. Regenerate CDS views and field mapping
- 3. Analyze transactional data
- 4. Display status of analysis of transactional data

What Is Partitioning of Universal Journal Entry Line Items Table?

Transactional data from General Ledger, Controlling, Material Ledger, and Asset Accounting will be filled in the ACDOCA table once you execute the monitor.

If data volume in those areas is very high, you have to plan for partitioning the ACDOCA table. This helps you avoid performance and merging operations.

As per the IMG help documentation, if you have more than 1 billion records, consider partitioning. Refer to SAP Note 2289491. This activity is need-based and every system may not have this activity. Consultants working on this may consider this activity based on the need.

Executing the "Regenerate CDS Views and Field Mapping" Step

SAP recommends executing this step in batch mode. It needs additional authorization FINS_MIG and developer authorization object S_DEVELOP.

You can verify the progress of the program using the SLG1 transaction with the subobject FINS GENERATE.

Regenerate the compatibility and data migration views. Generate the redirection of SELECT statements from the concerned database tables to the corresponding compatibility views. Then regenerate the mapping of customer-specific fields in the data migration procedure.

Analyzing the Transactional Data Step

This task determines if there are inconsistencies in the transactional data of the current system. You have to analyze the inconsistencies and fix them before executing the monitor. You should not leave error messages unresolved. If you do this exercise in the SBX system, it is easy to handle the production environment.

Step R21 performs a complete check of transactional data. If you have multiple clients, you must run this activity in every client (see Figure 8-65).

7 A 🕅 🕒 , 🎟 , 🗿 🖬 🎸	Show workpackages	Show	technical detail							
Clent			Proc. Step ID		Unfinished	Finished	Warn. Msg	Error Msg	Accepted	Not Acc
Production Client				Finished						
COB First Run				Finished	0	32				
COB Repeated Run 1	1			Finished	0	32				
 Repeated Run 2 	2			Finished	0	32				
 REC_0_CO 	2		REC_0_CO	Finished	0	20				
COB Enshed	2		REC_0_CO	Finished	0	20	0	0		
GL - Analyse	2		REC_0_GL	Finished	0	12				
COB Finished	2		REC_0_GL	Finished	0	12	0	0		

Figure 8-65. Display status of analysis of transactional data

As you can see in Figure 8-65, no errors were found. After these four steps, you can start the Start and Monitor Data Migration process.

The Start and Monitor Data Migration Monitor has consolidated functionality and it covers the following tasks:

- 1. Migration of cost elements
- 2. Technical check of transactional data
- 3. Material Ledger migration
- 4. Enrichment of data
- 5. Migration of line items
- 6. Migration of balances
- 7. Migration of General Ledger allocations to journal entry tables
- 8. Calculation of depreciation and totals values
- 9. Migration of house bank accounts

Migration of Cost Elements

As G/L accounts and cost elements are merged in SAP S/4HANA, Cost elements will be moved to FS00 after executing the monitor as a first step.

The system verifies before it moves cost elements to FS00, if the cost elements are consistent.

You have to correct the indicated inconsistencies before the migration, or the G/L account may have the wrong account types after system conversion.

There is no KA02 after converting the system; the default account assignment will be migrated to OKB9. This also helps with redundancy.

Once the system is converted, consultants need to verify and adjust authorizations for creating cost elements, as there is a change in user activity after system conversion.

Consultants working on the project must also make sure they provide user training and manuals for this, as there is a different business process for creating cost elements and maintaining default account assignments. You can also create secondary costs, so you have to plan for authorization adjustments to create or change G/L accounts. Authorization object CO-CCA: Cost Element Master (K_CSKB). Default assignments are no longer possible at KA02. They will be done using transaction OKB9 (table TKA3A).

Figure 8-66 shows an example error at this step.

	🔁 Sh	ow De	tail 🗞 📇	18	M K T. Z. %. D Ø . Q	
	Ove	rvie	w of Issu	es		
	Туре	Тур	Message class	No.	Message Text	Number of Occurrences
	X	E	FINS_RECON	745	Cost element ** missing in chart of accounts ** for controlling area **	3
	Δ	W	FH	890	Primary cost element **/** (category **) does not exist in C/A **	81
	0	E	FINS_RECON	119	**/**: Zero-Bal-Clring account master data inconsistent: See Note 961937	1

Figure 8-66. Probable error

After fixing the error, you have to repeat the step shown in Figure 8-67.

Start a	nd Monit	or Migration												
🗿 🕀 Resi	ume migration													
Overvie	w Control	Tables												
Process Co	ntrol													
Current Activity		GCC C	Check Consistency of G/L Accounts and Cost Elements											
Migration Control Job No.		3	🕷 Stopped											
Load Balan	cing													
Active Job	s		0			E Start and	Monitor Migrati	on				×		
Target no	of Jobs		0											
Current CPU utilization (%)			0			Do you want to repeat the activity "Check								
Upper limit CPU utilization (%) 100 💅						istency of G/L A			nts"?					
Status of Current Migration Run						-								
		Repeat Check 🖾 S	et Halt 🖄 Nex	t activity 🖻			Yes	No						
Next Step	Activity Id	Activity			Status	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Errors		
ध्	GCC	Check Consistency of G/L	Accounts and	Cost Elements	000	Issues found	07.11.2021	0:00	0:00		100%	4		
	GCM	G/L Account and Cost Ele	ement Merge		000			0:00	0:00		0 %	0		
	DAA	Default Assignment for C	ost Flements	1	m			0:00	0:00		0 %	0		

Figure 8-67. How to repeat the step

You can find it after fixing the error (see Figure 8-68).

Resume migration										
Overview Control	Tables									
Process Control										
Current Activity	GCM G	/L Account and C	Cost Ele	ement Merge						
Migration Control Job No.		Stopped								
Load Balancing										
Active Jobs	0									
Target no of Jobs	0									
Current CPU utilization (%)	1									
Upper limit CPU utilization (%)	100 🦻									
Status of Current Migration Ru	IN									
B. B. C. C.	Repeat Check 🗐 Set Halt 🕼 Next	t activity 😰								
Next Step Activity Id Act	Mity		Status	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Errors
GCC Che	ck Consistency of G/L Accounts and	Cost Elements	000	Issues found	07.11.2021	0:00	0:00		100%	3
GCM G/L	Account and Cost Element Merge	c	000			0:00	0:00		0 %	0
DAA Def	ault Assignment for Cost Flements	-	~			0.00	0.00		0 %	0

Figure 8-68. After fixing the error

Figure 8-69 shows how the monitor moves automatically to other steps:

- 1. GCC (check consistency of G/L accounts and cost elements)
- 2. GCM (G/L account and cost element merge)
- 3. DAA (default assignment for cost elements)

Load Balanci	ing									
Active Jobs		8								
Target no o	of Jobs	10 🔺 🔻								
Current CPL	Jutilization (%	b) 14								
Upper limit	CPU utilization	(%) 100 💅								
Status of Cu	urrent Migratio	n Run								
		n Run								
	A		Status	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Errors
Next Step	A	Repeat Check Set Halt Next activity	Status	Proc. Status Issues found		Σ Runtime 0:00	Σ Net Time 0:00	Act. Jobs	Completion 100%	Errors 3
Next Step	Activity Id	Activity	and the second se					Act. Jobs		
Next Step	Activity Id	Activity Check Consistency of G/L Accounts and Cost Elements	000	Issues found	07.11.2021	0:00	0:00	Act. Jobs	100%	3
Next Step	Activity Id GCC GCM	Activity Gheck Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce	000	Issues found Finished	07.11.2021 07.11.2021	0:00	0:00	Act. Jobs	100% 100%	3 0
Next Step	Activity Id GCC GCM DAA	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge Default Assignment for Cost Elements	000 000 000	Issues found Finished Finished	07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00	0:00 0:00 0:00		100% 100% 100%	3 0 0
Next Step	Activity Id GCC GCM DAA R21	Activity Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconcilation of Transactional Data		Issues found Finished Finished	07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00	0:00 0:00 0:00 0:00		100% 100% 100% 22 %	3 0 0 0

Figure 8-69. Migration Monitor

The next step in the monitor is the "Technical Check of Transactional Data" step.

Technical Check of Transactional Data

When you run this step, the system verifies that all transactional data is complete and correct. If inconsistencies are found, you need to verify the reason for the errors and fix them. Always refer to the Help document for complete information. You can see it in Figure 8-70. No errors are found.

nesu	me migration											
Overviev	Control	Tables										_
Process Con	trol											
Current Act	ivity	ENR	Enrich Transactio	nal Data	D.							
Migration Co	ontrol Job No	19145600	Active									
Load Balanc	ing											
Active Jobs		9										
Target no o	of John	10										
Target no c	1 1005	10 -										
	Jutilization (9		JĽ									
Current CPU		6) 31										
Current CPL	Uutilization (9	6) 31										
Current CPU Upper limit	Uutilization (9	6) 31 (%) 100 100										
Current CPU Upper limit Status of Cu	J utilization (9 CPU utilization urrent Migratio	6) 31 (%) 100 100]									
Current CPU Upper limit Status of Cu	U utilization (% CPU utilization urrent Migratio	6) 31 (%) 100 🏏]	Status	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Error	s
Current CPU Upper limit Status of Co D D J Next Step	U utilization (% CPU utilization urrent Migratio	6) 31 (%) 100 🌮 on Run Set Halt	Next activity	Status	Proc. Status Issues found		∑ Runtime 0:00	۶ Net Time 0:00	Act. Jobs	Completion 100%		
Current CPU Upper limit Status of Cu Next Step	U utilization (% CPU utilization urrent Migration CPU utilization urrent Migration CPU utilization	6) 31 (%) 100 % on Run 1 <u>6a Repeat Check</u> Set Halt % Activity	Next activity						Act. Jobs		-	3
Current CPU Upper limit Status of Cu Next Step	U utilization (% CPU utilization urrent Migration CPU utilization urrent Migration CPU utilization Activity Id GCC	6) 31 (%) 100 9 on Run 1 6 Repeat Check 9 Set Halt 100 Activity Check Consistency of G/L Accounts :	Next activity S	000	Issues found	07.11.2021	0:00	0:00	Act. Jobs	100%	3	3
Current CPU Upper limit Status of Cu Next Step	U utilization (? CPU utilization urrent Migration Compared and the second Activity Id <u>GCC</u> <u>GCM</u>	6) 31 (%) 100 V an Run 1 G ² Repeat Check Set Halt V Activity Check Consistency of G/L Accounts : G/L Account and Cost Element Merce	Next activity S		Issues found Finished	07.11.2021 07.11.2021	0:00	0:00	Act. Jobs	100% 100%	3	3
Current CPU Upper limit Status of Cu Next Step	J utilization (% CPU utilization urrent Migration Activity Id <u>GCC</u> <u>GCM</u> DAA	6) 31 1 (%) 100 V an Run 1 Carl Repeat Check Set Hat V Activity Check Consistency of G/L Accounts : G/L Account and Cost Element Mero Default Assignment for Cost Element	Next activity S		Issues found Finished Finished	07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00	0:00 0:00 0:00	Act. Jobs	100% 100% 100%	(3 0 0 0
Current CPU Upper limit Status of Cu Next Step	J utilization (% CPU utilization urrent Migration Activity Id <u>GCC</u> <u>GCM</u> <u>DAA</u> <u>R21</u>	6) 31 (%) 100 V In Run Activity Check Consistency of G/L Accounts is G/L Account and Cost Element Merco Default Assignment for Cost Element Reconcilation of Transactional Data	Next activity S		Issues found Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00	0:00 0:00 0:00 0:00		100% 100% 100% 100%		3

Figure 8-70. No errors for technical check of transactional data

Material Ledger Migration

You have to migrate the Material Ledger, even if the source system does not have ML activated.

- **M10: Migrate Material Ledger Master Data.** This activity ensures that the Material Ledger is activated for all valuation areas.
- M11: Migrate Material Ledger Order History. If the Material Ledger was not active in any valuation area before SAP S/4HANA conversion, this activity ensures that all existing purchase order history table

records and production order history table records are converted into ML currencies.

- **M21: Check ML Production Order and Purchase Order History.** This task verifies that all production and purchase order history records have been converted into the Material Ledger currencies.
- M20: Check Material Ledger Master Data. This task checks the migrated data. For instance, existing values from the inventory and Material Ledger tables are compared to the aggregation via the ACDOCA table (see Figure 8-71).

Resu	me migration											
Overview	v Control	Tables										
in the D												
igration Ru												
3 7 (<u> 660</u>								
tun ID St	art Date	U External ID	Man De	ta CCode Spec	Finished Com	ponent Release						
1 07	7.11.2021	J FINS_MIG_FULL	X		S40	ORE 100						
30.	-				Stat	tus Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Erro
30.	la]	ransactional	Data	Stat	and a state of the second s	Current Date 07.11.2021	Σ Runtime 0:00	Σ Net Time 0:00	Act. Jobs	Completion	
30.	Activity Id	Activity		Data		Finished				Act. Jobs		
30.	Activity Id	Activity Reconcilation of Tr	al Data		000	Finished Finished	07.11.2021	0:00	0:00	Act. Jobs	100%	
30.	Activity Id R21 ENR	Activity Reconcilation of Tr Enrich Transaction:	al Data of Transact	tional Data	00	Finished Finished Finished	07.11.2021 07.11.2021	0:00	0:00 0:01	Act. Jobs	100% 100%	
30.	Activity Id R21 ENR R22	Activity Reconcilation of Tr Enrich Transaction: Check Enrichment	al Data of Transact Unified Joi	tional Data urnal: Line Items		Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021	0:00 0:01 0:00	0:00 0:01 0:00	Act. Jobs	100% 100% 100%	
30.	Activity Id R21 ENR R22 MUJ	Activity Reconcilation of Tr Enrich Transaction: Check Enrichment. Data Migration into	al Data of Transact Unified Jou Journal En	tional Data urnal: Line Items try		Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 08.11.2021	0:00 0:01 0:00 0:06	0:00 0:01 0:00 0:06	Act. Jobs	100% 100% 100% 100%	
30.	Activity Id R21 ENR R22 MUJ R23	Activity Reconcilation of Tr Enrich Transaction: <u>Check Enrichment</u> Data Migration into <u>Check Migration of</u>	al Data of Transact Unified Jou Journal Ent doer Maste	tional Data umal: Line Items try r Data		Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 08.11.2021 08.11.2021	0:00 0:01 0:00 0:06 0:01	0:00 0:01 0:00 0:06 0:01	Act. Jobs	100% 100% 100% 100% 100%	
30.	Activity Id R21 ENR R22 MUJ R23 M10	Activity Reconcilation of TI Enrich Transaction: Check Enrichment Data Migration into Check Migration of Migrate Material Led Migrate Material Led Migrate Material Led	al Data of Transact Unified Jou Journal En doer Master doer Master doer Order	tional Data umak Line Items try r Data Data History		Finished Finished Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 08.11.2021 08.11.2021 08.11.2021	0:00 0:01 0:00 0:06 0:01 0:00	0:00 0:01 0:00 0:05 0:01 0:00	Act. Jobs	100% 100% 100% 100% 100%	
30.	Activity Id R21 ENR R22 MUJ R23 M10 M20	Activity Reconcilation of Ti Enrich Transaction: <u>Check Enrichment</u> Data Migration info Check Migration of Migrate Material Led Check Material Led	al Data of Transact Unified Jou Journal En doer Master doer Master doer Order	tional Data umak Line Items try r Data Data History		Finished Finished Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:00 0:01 0:00 0:06 0:01 0:00 0:00	0:00 0:01 0:00 0:06 0:01 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100% 100%	
30.	Activity Id R21 ENR R22 MUJ R23 M10 M20 M11	Activity Reconcilation of Tr Enrich Transaction: Check Enrichment Data Migration into Check Migration of Migrate Material Le Check Material Le Check ML Producti	al Data of Transact Unified Jou Journal Eni doer Master doer Master doer Order on Order at	tional Data umak Line Items try r Data Data History		Finished Finished Finished Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:00 0:01 0:00 0:06 0:01 0:00 0:00 0:00	0:00 0:01 0:06 0:06 0:01 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100% 100% 100%	
Next Step	Activity Id R21 ENR R22 MUJ R23 MUJ R23 MUJ M20 M11 M21	Activity Reconcilation of Tr Enrich Transaction: Check Enrichment Data Migration into Check Migration of Migrate Material Le Check Material Le Check ML Producti	al Data of Transact Unified Joi Journal Eni doer Master doer Master doer Order an on Order an	tional Data urmal: Line Items try r Data Data History nd Purchase Order I		Finished Finished Finished Finished Finished Finished Finished Finished Finished Active	07.11.2021 07.11.2021 07.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:00 0:01 0:06 0:06 0:01 0:00 0:00 0:00	0:00 0:01 0:06 0:05 0:01 0:00 0:00 0:00 0:00		100% 100% 100% 100% 100% 100% 100%	Erroi

Figure 8-71. ML data migration

Migration of Line Items

This step has the following activities

- MUJ data migration into unified journal: line items
- R23 check migration of journal entry

The system migrates accounting documents from GL and the different subledgers to the ACDOCA table. After the migration, the resulting line items are checked (see Figure 8-72).

🕒 🕒 Resu	ime migration										
Overview	V Control	Tables									
Overview	Concor	16063									
igration R	uns										
	100 FI.	2,%, 0,, 5,~									
			1.0								
tun ID St		U External ID Man Delta CCode Spec Finishe	-								
1 0.	7.11.2021	J FINS_MIG_FULL X	S4COR	E 100							
1 🖓 .											
	Activity Id	Activity			Current Date			Act. Jobs			
	Activity Id GCC	Activity Check Consistency of G/L Accounts and Cost Elements	000	Issues found	07.11.2021	0:00	0:00	Act. Jobs	100%	3	3
	Activity Id GCC GCM	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge		Issues found Finished	07.11.2021 07.11.2021	0:00	0:00	Act. Jobs	100% 100%	3	3
	Activity Id GCC GCM DAA	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge Default Assignment for Cost Elements	000	Issues found Finished Finished	07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00	0:00 0:00 0:00	Act. Jobs	100% 100% 100%	3 0 0	3
	Activity Id GCC GCM DAA R21	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge Default Assignment for Cost Elements Reconcilation of Transactional Data		Issues found Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00	0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100%	3 0 0 0	3000
	Activity Id GCC GCM DAA R21 ENB	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data		Issues found Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00 0:01	0:00 0:00 0:00 0:00 0:01	Act. Jobs	100% 100% 100% 100% 100%	3 0 0 0 0	300000
	Activity Id GCC GCM DAA R21 ENB R22	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data Check Enrichment of Transactional Data		Issues found Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00 0:01 0:01	0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100%		30000000
	Activity Id GCC GCM DAA R21 ENB	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data		Issues found Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00 0:01	0:00 0:00 0:00 0:00 0:01	Act. Jobs	100% 100% 100% 100% 100%	3 0 0 0 0	
	Activity Id GCC GCM DAA R21 ENB R22	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merge Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data Check Enrichment of Transactional Data	COB COB COB COB COB	Issues found Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021	0:00 0:00 0:00 0:00 0:01 0:01	0:00 0:00 0:00 0:00 0:01 0:00	Act. Jobs	100% 100% 100% 100% 100%		
lext Step	Activity Id GCC GCM DAA R21 ENR R22 MUJ	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data Oheck Enrichment of Transactional Data Data Migration into Unified Journal: Line Items	COB COB COB COB COB COB	Issues found Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 08.11.2021	0:00 0:00 0:00 0:00 0:01 0:00 0:00	0:00 0:00 0:00 0:00 0:01 0:00 0:06		100% 100% 100% 100% 100% 100%	3 0 0 0 0 0 0 0 0 0	
lext Step	Activity Id GCC GCM DAA R21 ENB R22 MUJ R23	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconcilation of Transactional Data Enrich Transactional Data Check Enrichment of Transactional Data Data Mioration into Unified Journal: Line Items Check Migration of Journal Entry		Issues found Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 08.11.2021	0:00 0:00 0:00 0:00 0:01 0:00 0:06 0:06	0:00 0:00 0:00 0:01 0:01 0:00 0:06 0:00		100% 100% 100% 100% 100% 100% 100% 100%		3 0 0 0 0 0 0 0 0 0
Vext Step	Activity Id GCC GCM DAA R21 ENR R22 MUJ R23 M10	Activity Check Consistency of G/L Accounts and Cost Elements G/L Account and Cost Element Merce Default Assignment for Cost Elements Reconclation of Transactional Data Enrich Transactional Data Check Enrichment of Transactional Data Data Migration into Unified Journal: Line Items Check Migration of Journal Entry Migrate Material Ledger Master Data		Issues found Finished Finished Finished Finished Finished Finished	07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 07.11.2021 08.11.2021	0:00 0:00 0:00 0:01 0:01 0:00 0:06 0:00 0:00	0:00 0:00 0:00 0:01 0:00 0:06 0:06 0:00		100% 100% 100% 100% 100% 100% 100% 100%		

Figure 8-72. Line items moved to UJE (ACDOCA)

Migration of Balances

This activity ensures the migration of the documents. This task has the following activities

- DLT data migration to the universal journal entry: Deltas for totals
- R24 check migration of balances (see Figure 8-73)

Resu	ime migration										
Overview	W Control	Tables									
digration R	uns										
	BBF.	8 .%. 1 . 3									
Run ID S	tart Date	U External ID Man Delta CCode Spec Finished	Comp	onent Release							
Contraction of the second second		J FINS MIG FULL X	S4COF								
	ligration Run 1										
	igration kun .	L ₂									
90.	B . H .]									
	Activity Id	Activity	Status	Proc. Status	Current Date	Σ Runtime	۶ Net Time	Act. Jobs	Completion	Errors	
			Status	Proc. Status Finished	Current Date 08.11.2021	Σ Runtime 0:01	Σ Net Time 0:01	Act. Jobs	Completion 100%		-
	Activity Id	Activity						Act. Jobs			-
	Activity Id R23	Activity Check Migration of Journal Entry	000	Finished	08.11.2021	0:01	0:01	Act. Jobs	100%	0	+
	Activity Id R23 M10	Activity Check Migration of Journal Entry Migrate Material Ledger Master Data	000 000	Finished Finished	08.11.2021 08.11.2021	0:01 0:00	0:01	Act. Jobs	100% 100%	0	4 ¥
	Activity Id R23 M10 M20	Activity Check Migration of Journal Entry Migrate Material Ledger Master Data Check Material Ledger Master Data		Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00	0:01 0:00 0:00	Act. Jobs	100% 100% 100%	0 0	•
	Activity Id R23 M10 M20 M11	Activity Check Migration of Journal Entry Migrate Material Ledger Master Data Check Material Ledger Master Data Migrate Material Ledger Order History		Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00	0:01 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100%	0 0 0 0 0	4 >
	Activity Id R23 M10 M20 M11 M21	Activity Check Migration of Journal Entry Migrate Material Ledger Master Data Check Material Ledger Master Data Migrate Material Ledger Order History Check ML Production Order and Purchase Order History	COB COB COB COB	Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:00	0:01 0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100%	0 0 0 0 0 0 0	4 •
	Activity Id R23 M10 M20 M11 M21 DLT	Activity <u>Check Migration of Journal Entry</u> <u>Migrate Material Ledger Master Data</u> <u>Check Material Ledger Master Data</u> <u>Migrate Material Ledger Order History</u> <u>Check ML Production Order and Purchase Order History</u> <u>Data Migration into Unified Journal: Aggregate Detas</u>		Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:00 0:03	0:01 0:00 0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100%	0 0 0 0 0 0 0 0 0 0	4 •
Next Step	Activity Id R23 M10 M20 M11 M21 DLT R24	Activity <u>Check Migration of Journal Entry</u> <u>Migrate Material Ledger Master Data</u> <u>Check Material Ledger Master Data</u> <u>Migrate Material Ledger Order History</u> <u>Check ML Production Order and Purchase Order History</u> <u>Data Migration into Unified Journal: Aggregate Detas</u> <u>Check Maration of Balances</u>		Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:03 0:03 0:01	0:01 0:00 0:00 0:00 0:03 0:03 0:01	Act. Jobs	100% 100% 100% 100% 100% 100%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 •
Next Step	Activity Id <u>R23</u> <u>M10</u> <u>M20</u> <u>M11</u> <u>M21</u> <u>DLT</u> <u>R24</u> <u>AFA</u>	Activity Check Migration of Journal Entry Migrate Material Ledger Master Data Check Material Ledger Master Data Migrate Material Ledger Order History Check Migration Order and Purchase Order History Data Migration into Unified Journal Aggregate Detas Check Migration of Balances Initial Depreciation Cakulation	COB COB COB COB COB COB COB COD COD	Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:03 0:03 0:01 0:00	0:01 0:00 0:00 0:00 0:00 0:03 0:01 0:00	Act. Jobs	100% 100% 100% 100% 100% 100% 100%	000000000000000000000000000000000000000	
Next Step	Activity Id 823 M10 M20 M11 M21 DLT 824 AFA 825	Activity Check Maration of Journal Entry Migrate Material Ledger Master Data Check Material Ledger Master Data Migrate Material Ledger Order History Check ML Production Order and Purchase Order History Data Migration into Unified Journal: Aggregate Detas Check Migration of Balances Initial Depreciation Calculation Check Initial Depreciation Calculation	COB COB COB COB COB COB COB COD COO	Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:03 0:03 0:01 0:00 0:00	0:01 0:00 0:00 0:00 0:03 0:01 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100% 100% 0 %	0 0 0 0 0 0 0 0	•

Figure 8-73. Migration of balances

Check Migration of Balances (R24) verifies that all balances have been migrated correctly using the compatibility views.

House Bank Migration

The FCLM_BAM_MIGRATION_REPORT program, accessed via SE38, can be used for the manual activity. Normally, house banks and bank accounts are automatically migrated by the Cockpit from the T012K table to FCLM_BAM_ACLINK2. You can verify this using the SLG1 transaction if there are any errors during house bank migration. Sometimes surprisingly there are errors, even when the status is green. You can see this migration of house banks in migration monitor as CM1.

Migration of House Bank Accounts

You must migrate existing house bank accounts from the T012K table to the FCLM_BAM_ AMD table. You must have the authorization F_CLM_BAM, activity 01 and 02, before you do this activity (see Figure 8-74).

Resu	me migration														
Overview	v Control	Tables													
ligration Ru	INS														
		. Z .%. [3 🖽 .	. 3	60										
Run ID St	art Date	U External ID	Man	Delta	CCode Spec	Finished O	ompo	nent Release							
1 07	7.11.2021	J FINS_MIG_FULL	X				4COR								
D .						S	tatus	Proc Status	Ourrent Date	Σ Runtime	Σ Net Time	Act Jobs	Completion	Errors	
	Activity Id		Journa	al Entry				Proc. Status Finished	Current Date 08.11.2021	Σ Runtime 0:01	Σ Net Time 0:01	Act. Jobs	Completion		
D Ø.		Activity	and the second se	and the second second second	313	α	0					Act. Jobs			٠
D Ø.	Activity Id R23	Activity Check Migration of	dger M	laster D		α		Finished	08.11.2021	0:01	0:01	Act. Jobs	100%	0	٠
D Ø.	Activity Id R23 M10	Activity Check Migration of Migrate Material Le	dger Ma	laster D ster Dal	ta			Finished Finished	08.11.2021 08.11.2021	0:01 0:00	0:01	Act. Jobs	100% 100%	0	٠
D Ø.	Activity Id R23 M10 M20	Activity Check Migration of Migrate Material Led Check Material Led	dger Ma Iger Ma dger O	laster D ster Dal order His	ta story			Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00	0:01 0:00 0:00	Act. Jobs	100% 100% 100%	0 0	٠
D Ø.	Activity Id R23 M10 M20 M11	Activity Check Migration of Migrate Material Le Check Material Led Migrate Material Le	dger Ma Iger Ma dger O ion Ord	laster D ster Dal Irder His er and I	<u>ta</u> story Purchase Order H	CC CC History CC		Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00	0:01 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100%	0 0 0 0 0	٠
D Ø.	Activity Id R23 M10 M20 M11 M21	Activity Check Migration of Migrate Material Le Check Material Led Migrate Material Le Check ML Producti	dger Ma Iger Ma dger O ion Ord Unifier	laster D ster Dai Inder His er and I d Journ	<u>ta</u> story Purchase Order H	CX CX History CX History CX		Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:00	0:01 0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100%	0 0 0 0 0 0 0	٠
D Ø.	Activity Id R23 M10 M20 M11 M21 DLT R24 AFA	Activity Check Migration of Migrate Material Le Check Material Led Migrate Material Led Check ML Producti Data Migration into Check Migration of Initial Depreciation	dger Ma dger O dger O ion Ord Unifier Balanc Calcula	laster Da ster Da order His er and I d Journ: es tion	ta story Purchase Order H al: Aggregate De	CX CX History 2tas CX		Finished Finished Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:00 0:00	0:01 0:00 0:00 0:00 0:00 0:00	Act. Jobs	100% 100% 100% 100% 100%	0 0 0 0 0	٠
D .	Activity Id R23 M10 M20 M11 M21 DLT R24 AFA R25	Activity Check Migration of Migrate Material Led Check Material Led Migrate Material Le Check ML Producti Data Migration info Check Migration of Inital Depreciation Check Initial Depreciation	dger M lger Ma dger O ion Ord Unifier Balanc Calcula ccation	laster D ster Dal order His er and I d Journ d Journ es tion Calculat	ta story Purchase Order H al: Aggregate De tion	A A History A A A A A A A A A A A A A A A A A A A		Finished Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:00 0:03 0:01	0:01 0:00 0:00 0:00 0:00 0:03 0:01	Act. Jobs	100% 100% 100% 100% 100% 100%	0 0 0 0 0 0	٠
D Ø.	Activity Id R23 M10 M20 M11 M21 DLT R24 AFA	Activity Check Migration of Migrate Material Le Check Material Led Migrate Material Led Check ML Producti Data Migration into Check Migration of Initial Depreciation	dger M dger Ma dger O ion Ord Unifier Balanc Calcula ciation k Acco	laster D ster Da order His er and I d Journ d Journ es tion Calculat unt (TC	ta story Purchase Order H al: Aggregate De tion	A A History A A A A A A A A A A A A A A A A A A A		Finished Finished Finished Finished Finished Finished Finished Finished	08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021 08.11.2021	0:01 0:00 0:00 0:00 0:03 0:03 0:01 0:00	0:01 0:00 0:00 0:00 0:00 0:03 0:01 0:00	Act. Jobs	100% 100% 100% 100% 100% 100%	0 0 0 0 0 0 0 0	٠

Figure 8-74. Error at migrating house banks

The reason for this error (see Figure 8-75)

(OM	DB	GIRO	OMR	GIRO	000	-
(QA	1000	1000	QAR	123456788	000	*
9	SA	1000	1000	SAR	123456788	000	•

Figure 8-75. Error reason

The error says that these banks are not related to the source system company code.

These banks are from template company codes, so you can accept the error.

Repeat the step (see Figures 8-76 and 8-77).

🗿 🕒 Resu	ime migration											
Overview	w Control	Tables										
Process Cor	ntrol											
Current Act	tivity ontrol Job No.		CM1 Migrate House B	ank Acc	ount (T012K)	to Bank Accour	nt					
Myracion C	0110101000 110.	🖻 Start and Monitor M				×						
Load Baland	cing											
Active Jobs	5	Do you want to	change the sequence of the	2								
Target no	of Jobs		roceed with step "Migrate Ho	use								
Current CP	U utilization (9) Bank Account (T012K) to Bank Account"?									
Upper limit	CPU utilization	(9										
Status of C	urrent Migratio	n Yes	No									
20.	2 , 4 ,	🔓 Repeat Check 💷 Se	t Halt 🕼 Next activity 📓			-						
Next Step	Activity Id	Activity		Status	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completion	Errors	
	<u>R24</u>	Check Migration of Balance	•	000	Finished	08.11.2021	0:01	0:01		100%	0	
	AFA	Initial Depreciation Calculat		000	Finished	08.11.2021	0:00	0:00		100%	0	
	<u>R25</u>	Check Initial Depreciation C		000	Finished	08.11.2021	0:00	0:00		100%	0	
CQ,	<u>CM1</u>			000	Issues found	08.11.2021	0:00	0:00		100%	3	
	GL AL MIG	Migration of the GL Allocat	ons	000			0:00	0:00		0 %	0	
							• 0:12	• 0:12				-

Figure 8-76. Repeat the error

Start a	nd Monit	or Migration								
🕽 🕒 Res	ume migration									
Overvie	w Control	Tables								
Process Co	ontrol									
Current A		GL_AL Migration o	f the GL Allo	ations						
	Control Job No									
Load Balan	ncing									
Active Job	os	0								
Target no	of Jobs	0								
Current C	PU utilization (%) 1								
Upper limit	t CPU utilization	n (%) 100 💅								
Status of (Current Migrati	on Run								
	. 🖪 . 🖽 .	Repeat Check Set Halt Next activity	S							
Next Step	p Activity Id	Activity	Statu	Proc. Status	Current Date	Σ Runtime	Σ Net Time	Act. Jobs	Completi	ĺ
	<u>R24</u>	Check Migration of Balances	000	Finished	08.11.2021	0:01	0:01		100	
	AFA	Initial Depreciation Calculation	000	Finished	08.11.2021	0:00	0:00		100	
	<u>R25</u>	Check Initial Depreciation Calculation	000	Finished	08.11.2021	0:00	0:00		100	
	<u>CM1</u>	Migrate House Bank Account (T012K) to Bank Acc	count coo	Issues found	08.11.2021	0:00	0:00		100	
4	GL AL MIG	Migration of the GL Allocations	000			0:00	0:00		0	
						• 0:12	• 0:12			
< > _									4 1	

Figure 8-77. Issues have been fixed

Migration of General Ledger Allocations to Journal Entry Tables

This step adjusts the definitions of G/L allocation cycles with actual values. This step is needed, as the allocation cycle references a summed table and will replace the universal journal entry table called ACDOCA.

Complete Migration

Once the data migration is successfully completed, you must execute the Complete Migration task. But before you do that, you must reconcile the migrated data.

There is no standard format for this. You may be able to decide with your client how they want to validate the before and after system conversion process.

As examples, I provide information about how I have done my conversion projects. I performed the following reconciliations for the migrated data to make sure that the migration has been performed successfully and correctly.

- 1. I reconciled General Ledger 0 with Leading Ledger 0L.
- 2. I compared the data after the migration with the data before migration by executing the following reports or programs:
 - Financial statement F.01
 - Asset history sheet
 - Cost center report S_ALR_87013611
 - Sales order related program RKKBSELL
 - G/L balance report RFSSLD00
 - GL line items report FBL3N/FAGLB03/FAGLL03
 - Vendor open item FBL1N
 - Customer open item RFDEPL00

The menu path is SPRO \succ Conversion of Accounting to SAP S/4HANA \succ Data Migration \succ Set Migration to Completed (see Figure 8-78).

Display logs	
🖋 Set to "completed" 🛛 🔞 😚 Technical Information 🚹	
« A7##	
T Message Text	
Redirect for EBEW is ok	
Redirect for EBEWH is ok	
Redirect for QBEW is ok	
Redirect for QBEWH is ok	
Redirect for OBEW is ok	Cr Confirmation
Redirect for OBEWH is ok	
Redirect for FAGLFLEXA is ok	
Migration activity GCC completed - 3 errors accepted	Do you really want to set the data migration to
Migration activity GCM completed without errors	status "Completed"?
Migration activity DAA completed without errors	
Migration activity R21 completed without errors	Yes X No
Migration activity ENR completed without errors	
Migration activity R22 completed without errors	
Migration activity MUJ completed without errors	
Migration activity R23 completed without errors	
Migration activity M10 completed without errors	
Migration activity M20 completed without errors	
Migration activity M11 completed without errors	
Migration activity M21 completed without errors Migration activity DLT completed without errors	
Migration activity GL_AL_MIG completed without errors	

Figure 8-78. Set migration completed

Confirm by clicking the Yes option in the window (see Figure 8-79).

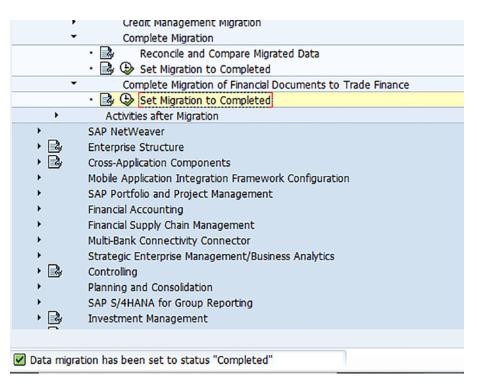


Figure 8-79. Data migration is complete

After you set the migration to complete, users will be able to post the documents and can perform their business processes.

Post-Conversion Activities

The important post-conversion activities include the following:

- 1. Adjusting the authorizations
- 2. Custom code adaptation
- 3. Verifying the custom programs/reports/transactions
- 4. Interface testing
- 5. Output devices testing
- 6. Unit and integration testing

- Adjustment of customer/vendor numeric number ranges, which must be set to external to allow identical numbers for customer/ vendor and business partner
- 8. User training for new areas across all lines of business
- 9. Documentation and validation of changes

Activities After Migration

Introduction

Activities after migration (or post-migration activities) should be performed during business downtime, not technical downtime. Customers can plan to execute these activities at a later stage, over a weekend after the system conversion.

The menu path is as follows: SPRO>>>> Conversion of Accounting to SAP S/4HANA>>>> Activities after Migration (see Figure 8-80).

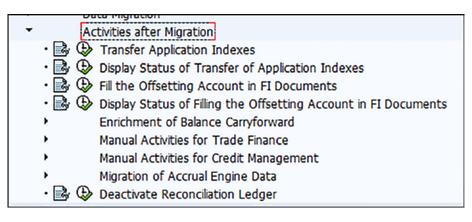


Figure 8-80. Path for activities after migration

The following list shows the activities after migration. All the activities shown here might not be relevant for every customer. Consultants working on conversion projects should verify the system and run the appropriate activities.

- 1. Transfer application indexes and their statuses
- 2. Fill the offsetting account in Finance transactions
- 3. Display Status of filling the offsetting account in FI Documents

- 4. Enrichment of balance carryforward
- 5. Manual activities for Trade Finance
- 6. Manual activities for credit management
- 7. Migration of Accrual Engine data
- 8. Deactivate the Reconciliation Ledger

Transfer Application Indexes

The menu path is SPRO \succ Conversion of Accounting to SAP S/4HANA \succ Activities after Migration \succ Transfer Application Indexes. This task helps transfer application indexes to the database cold area to minimize the main memory consumption.

Display Status of Transfer of Application Indexes

The menu path is SPRO \succ Conversion of Accounting to SAP S/4HANA \succ Activities after Migration \succ Display Status of Transfer of Application Indexes. This task displays the status of the transfer of application indexes (see Figure 8-81).

3 🛆 🚺 📮 🔠 🖌 🚳 🖬 🎸 🔊	ow workpackages 🕕 Sho	ow technical details						
Clent	ETC Proc. Step ID	Proc. Status	Unfinished	Finished	Warn, Msg	Error Msg	Accepted	Not Acc.
C DEV clent		Finished						
 First Run 		Finished	0	1				
 GL/AP/AR Secondary Indexes 	NOEX	Finished	0	1				
COB Enished	INDEX	Finished	0	1	0	0		

Figure 8-81. Display transfer of application indexes

Fill the Offsetting Account in FI Documents

The menu path is SPRO \succ Conversion of Accounting to SAP S/4HANA \succ Activities after Migration \succ Fill the Offsetting Account in FI Documents. This task is to fill the offsetting account in FI documents.

Display Status of Filling the Offsetting Account in Finance Transactions

The menu path is SPRO \succ Conversion of Accounting to SAP S/4HANA \succ Activities after Migration \succ Display Status of Filling the Offsetting Account in FI Documents. Here you can display the status of filling in the due dates into FI documents (see Figure 8-82).

	l 🛐 🚺 🗞 Show	workpackages	Show techn	ical details					
ent	Run ID ETC Proc	Step ID Proc	Unfinished	Finished	Warn. Msg	Error Msg	Accepted	Not Acc.	
DEV client		Finished							
 First Run 		Finished	0	31					
 Opposite Account 	GKON	T Finished	0	31					
COB Finished	GKON	T Finished	0	31	0	0			

Figure 8-82. Display status of filling the offsetting account in FI documents

Enrichment of Balance Carry Forward

The menu path is SPRO ➤ Conversion of Accounting to SAP S/4HANA ➤ Activities after Migration ➤ Enrichment of Balance Carryforward ➤ Information: Enrichment of Balance Carry forward.

This is an optional step. This step can be executed at any time after the balance migration is completed or after the migration is completed. No downtime is needed for this task. To do this, posting periods of previous years must be closed to avoid postings.

This step recalculates the balance carry forward for accounts that are managed on an open item basis. Refer to help documents from the IMG menu or SAP Help documents for more information.

This task has the following subtasks:

- 1. Make Settings for the Enrichment of Balance Carryforward
- 2. Reconcile Balance Carryforward with Open Items
- 3. Display Status of Reconciliation

- 4. Enter Detail Specifications for Balance Sheet Accounts
- 5. Enter Detail Specifications for P&L Accounts
- 6. Enrich Balance Carryforward Based on Open Items
- 7. Display Balance Enrichment Status

Migration of Accrual Engine Data

Here are the steps for migrating the Accrual Engine Data:

- 1. Run Project Migrating Transactional Data Accrual Engine
- 2. Set Status of Mass Data Project to Completed
- 3. Display Status of Projects for Accrual Engine Migration
- 4. Display Status of Migration Projects for Company Codes

The following sections discuss each of these steps in more detail.

Run Project - Migrating Transactional Data - Accrual Engine

As a prerequisite before starting this activity, we might have done the preparation activity at SPRO >>>> Migration of Customizing for Accrual Engine. This task has to be performed in each system and client separately. The migration of transactional data is done by executing a mass data project of project type 70 (see Figure 8-83).

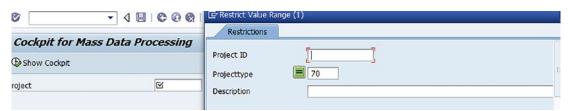


Figure 8-83. Run Project - Migrating Transactional Data - Accrual Engine

The transactional data consists of accrual objects and accrual postings. Both types of data are migrated collectively by the matching mass data project. Before you execute this, you must transport the migrated customizing into the productive system. For the migration of postings of the old Accrual Engine, you need a dummy G/L account.

This activity will generate line items to universal journals using this G/L account. Before doing this activity, you must ask the client to validate the reports taken from the ECC system.

Conclusions

Activities after conversion can be done once the system is up and running. If you do not do this activity, some of the aging reports may not work properly and report execution and transaction execution may also be very slow. We can also plan to run SGEN once this is completed. The next chapter provides an overview of SAP S/4HANA conversion project tasks.

CHAPTER 9

An Overview of SAP S/4HANA Conversion Project Tasks

Discover	1. Execute Readiness Check, BSR, Etc				
	1. Set up Project				
	2. Preparation of activity sheet for conversion Project				
	3. Discuss with Team and share the plan with Customer				
	4. Analyse the Readiness Check Report				
Prepare	5. Analyse the BSR Report				
	6. Install Simplification item check Notes				
	7. Execute SI check Report				
	8. Start Evaluating Simplification Item Check Report				
	9. Execute Maintenance Planner and generate file				
	10. Prepare a list of mandatory Simplification items modules wise				
	11. Verify Business Functions, IS components and add on as per Readines check				
	12. Custom Code Analysis				
	13. Preparations for Asset Accounting				
	14. Cross application preparation				
	15. CVI				
	16. Financial Data Reconciliations & Consistency check				
	17. Consistency checks				
	1. SUM Preparations and SUM Execution				
	2. SUM Downtime Preparation				
SUM	3. Finance Reports before Downtime				
	4. SUM Execution phase				
	5. SUM Final Phase				
Conversion Cockpit	1. SUM ramp down				
	2. Conversion Cockpit Preparation for Migration				
	3. Conversion Cockpit - Data Migration				
	4. Conversion Cockpit- Post Migration activités				
	Reports Validation post Conversion				
	Go-live				
	Hypercare				
	Establish safe and efficient operation				
	Plan for further innovations				

Index

A

Account types, 341, 345 Accrual Engine, 17, 296, 298, 326 Accrual Engine Data, 322, 326, 358, 360 ACDOCA table, 11-14, 296, 297, 299, 343, 349, 350 ACEMIGIMG transaction, 322, 324 Activities after migration, 357–359 Actual costing preparation, 139, 265, 267, 280 Allocation cycle, complete migration, 354-356 Asset Accounting, 13 advantages, 264, 265 conversion/migration, 220 **EA-FIN** financial extension, 220-223 periodic asset posting, 223, 224, 226-228 migration, 327 preparations, 335 SAP Note 2406313, 228, 229 SUM, 229-231

В

Bank Account Management (BAM), 15 Bank account master, 339, 341 Business Data Toolset (BDT), 131, 132 Business functions, 7, 50, 51, 70, 77, 78 Business Partner (BP), 73, 74 address screen, 111

application log, 128 BDT, 131 code header, 112 company code, 126 create organization, 110 customer role, 112 display log, 129 field grouping, 134 finance role, 111 FLVN00, 125 FLVN01, 126 HR data, 123 InfoType communication, 123 maintain address, 122 master data, 135 organizational assignment, 120, 121 personal data, 119 print preview, 111 S/4HANA. BAPI, 130 sales area, 115 sales area data, 113 screen, 124 ship to customer, 113, 114 ship to sales area, 114 SH partner, 116 single employee, 126, 127 sold-to partner, 115 users, 129 **Business Rule Framework transaction** (BRFPLUS), 131 BW-Delta Extraction, 335

INDEX

С

Cash and Liquidity Management functionality, 287-289 Central check system, 35, 36, 47, 59 Cloud computing advantages, 23 definition, 23 services, 23 CO business transactions consistency check, 320 controlling areas, 319 cost-of-sales, 318 default values, 316 document types, 315 offsetting account, 316 source and target ledgers, 317, 318 Conversion Cockpit, 289, 291-294 Cost elements, 300, 345-347 Credit management preparations, conversion FSCM-CR, 269 SAP credit management, 269 source system, 268 SUM, 270-273 Custom code analysis ABAP programs, 32 checks, 34 definition, 47, 48 tools code application, 47 SCMON, 36, 37 SLIN, 37-40 system group, 41, 43-46 Custom code migration, 33, 48, 50 Customer/vendor integration (CVI), 74 BP number ranges/groupings, 88, 92 value mapping, 92, 93

business functions, 78 contact person activate assignment, 93 assign authority, 95 assign department, 94 assign function, 94 VIP indicator, 95 customizing settings PPO, 82, 83 Synchronization Options, 82, 83 deletion flag, 77 industries, 98 Item Check Program, 76 legal status, 97 marital statuses, 96 number assignments, 100, 101 partner roles, 99 payment cards, 97 PPO, 103 Precheck, 77 **MIGRATION PRECHK**, 80 suppression, 80, 81 preparation phase, 77 customer-related, 84, 85 vendor-related, 86, 87 gRFC Monitor, 107, 108 SI checks, 75 synchronization Cockpit, 105, 106 synchronization objects, 104 synchronization options, 104 vendor value mapping, 101, 102

D

Database Migration Option (DMO), 61, 62 Data migration, 299, 300, 343, 344 activities, 301 assignments of ledger, 311

CO version, 311, 312 currency settings, 307, 308 currency types, 310 customizing settings, 302, 303 document types, 312-314 fiscal year variants, 306 General Ledger customizing, 308 GL, 304, 306 IMG, 302 ledger, 309, 310 QAS/PRD, 309 SAP, 307 tasks, 301 Data Migration Monitor, 277, 289, 342, 343, 345 Deletion flag, 75, 77, 136

Ε

ECC system, 138, 141, 142, 327 Error messages CT_OM, 212, 213 ECC system, 214-217 Module-Finance FIN_GL, 173-176 FIN_MISC_ML, 170 GENERIC_CHECKS, 170–172 Sub ID FI_AA_ACCOUNT, 188 Sub ID FI_AA_COMPONENTS, 187 Sub ID FI_AA_CUST_DEPRAREA, 183, 186 Sub ID FI_AA_CUST_ DEPRCHART, 181 Sub ID FI AA CUST LEDGER, 177, 179, 180 Sub ID FI AA DEPRAREA CURRENCY, 190 Sub ID FI AA FISCYEAR, 189

Module-HR, 191, 192 Module-material management, 192–196 Module-PP logistics, 196, 197 logistics PLM, 201, 202 master data PM, 197–201 masterdata_PP-MRP, 203–208 Module SD, 208–211

F, G

FCLM_BAM_MIGRATION_REPORT program, 351 FI-AR-CR-based credit management, 267 Field grouping, 133, 134 Field modifications, 132, 133 Finance Consultants, 26, 293 Financial Closing Cockpit application, 18, 19

Η

HANA Enterprise Cloud (HEC), 3, 5 House bank accounts, 351–353 Hyperscaler data center, 2, 4, 5

I, J, K

Inconsistency correction monitor archiving flag, 154–160 BKPF inconsistent, 169 BSID, missing archiving flag, 168 BSIK, missing archiving flag, 166–168 BSIS/BSEG, 147–153 ECC system, 141 error message FIN_FB_ RECON7, 160–163

INDEX

Inconsistency correction monitor (*cont.*) information message, 142 local currency, 164, 165 readiness check notes, 143 reconciliation run, 144–147 reconciliation issues, 143 SUM tools, 144 Infrastructure as a service (IaaS), 4, 23

L

Lean Service Procurement, 18 Line items, 149, 156, 350

M, N, O

Maintain Operating Concern, 335, 336 Manual accruals functions, 325 Mass Data framework, 303, 304 Material Ledger (ML) preparation before SUM, 275 data migration, 277 OMX1 transaction code, 274 preparation activities, 275, 276 source ECC system, 274 start/monitor data migration, 277, 279 Migrate customizing settings, Accrual Engine ACE, 323 migration precheck, 321, 322 Migrate Material Ledger Master Data, 277, 348 Migration of balances, 350, 351 Migration precheck, 320, 321, 323 ML data migration, 349 Monitor GR/IR Account Reconciliation, 17 Multi-tenant server, 1

P, **Q**

Platform-as-a-service (PaaS), 23 Post-conversion activities, 356 Post-migration activities, 71, 293, 357 Post Processing Order (PPO), 82, 83, 103 Pre-migration content, 325 Preparation and Migration of Customizing for AA, 326 Asset Accounting, 333, 334 change requests, 340 depreciation, 328, 329 GL, 332 house banks, 339 manual activities, 330 ML, 337, 338 number range, 340 Preparation phase ECC system, 138-141 SUM, 137 Process Discovery Transformation tool, 7 Profitability segment, 335, 336

R

Readiness Check, 6, 7, 25, 27, 29, 30, 50 Revenue recognition preparation, 285, 287

S

SAP Cloud Platform (SCP), 3 SAP Credit Management, 73, 211, 267, 289 SAP ECC system conversion conversion process, 49 custom code analysis, 59, 60 functional preparation, 50 maintenance planner, 51, 52 modifications, 65–69 namespace, 65

preparation, 50 project activities, 70, 71 realization phase software logic tools, 61, 62 software update manager, 60 SI check, 52-58 unicode conversion approach, 62 consultants, 63 scan ABAP code, 64 SWPM, 64 SAP Readiness Assessment, 48 SAP Readiness Check, 7 check 2.0, 26-31 custom code analysis, 32-34 definition, 26 inconsistencies, 26 process discovery, 31 SAP S/4HANA advantages, 10 accrual engine, 17 asset accounting, 13 bank relationship management, 16 business partners, 16 cash management, 15 data model, 10 deployment options, 22 depreciation areas, 14, 15 depreciation screen, 19 FI-AR-CR function, 20 Financial Consolidation, 21 Fiori apps, 21 foreign trade, 20, 21 ledger/accounting principle postings, 15 MRP engine, 18 new data model, 11 OLAP/OLTP, 18

planning table, 12 sales. 20 transfer prices, 16 components, 9 definition, 1, 8 deployment option, 5 Extended Edition, 3 on-premises, 4, 5 planning tools Fiori apps, 7 Process Discovery Transformation, 7 SAP Readiness Check, 7 Private Edition, 2, 3 public cloud solution, 1, 2 SAP ECC System, converting, 10 Simple Finance, 9 SAP S/4HANA conversion, 363 SAP S/4HANA system, 331 SCMON transaction, 36 SD Revenue Recognition, 21, 139, 141 SI2 FIN AA chart depreciation, 258-261, 263, 264 consistency check results, 232-235 correction action, 235-239, 241, 243 ledger approach, 249–252 SAP asset accounting migration, 243, 244, 246-249 specify transfer, APC values, 252-254 technical clearing account, 254-258 Simplification Item Check Report, 137, 227, 229, 285 Software-as-a-service (SaaS), 23 Software Provisioning Manager (SWPM), 64 Software Update Manager (SUM), 219, 291 ACDOCA, 297 administrator, 292

INDEX

Software Update Manager (SUM) (*cont.*) cockpit, 297 data conversion, 295 menu path, 295 preparations and migration, 298 role, 291 SAP S/4HANA, 295 SPAU, 293 SPDD, 292 SPRO, 296 Software Update Manager (SUM), 219, 280, 291

T, U, V, W, X, Y, Z

Total cost of ownership (TCO), 1–3 Trade finance preparation Foreign Trade (SD-FT) functionality, 281 pre-transition checks, 281–285 Transactional data, 331, 344, 348, 360 Transfer Application Indexes, 358 balance carryforward, 359 Display Status, 358 FI documents, 358, 359