



SAP Readiness Check for SAP S/4HANA

Covering SAP S/4HANA 2023

Customer Name	Transnet Pipelines
Customer Number	
System ID	(SAP enhancement package 5 for SAP ERP 6.0)
Date of Analysis	04/03/2024

CONFIDENTIAL

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1 Introduction

1.1 General Introduction

SAP S/4HANA is SAP's next-generation business suite. It is not the legal successor of any SAP Business Suite product. SAP S/4HANA is a new product completely built on SAP HANA, which is one of the most advanced in-memory platforms today. In addition, SAP S/4HANA reflects modern design principles based on the SAP Fiori user experience.

In an approach to build SAP S/4HANA, SAP has re-imagined solutions for modern business processes in an increasingly mobile and digitized world. SAP S/4HANA delivers massive simplifications and innovations, deliverable on one data structure and architecture moving forward.

Converting a typical SAP ERP 6.x system to SAP S/4HANA requires a database migration to SAP HANA (if not currently running on SAP HANA), and the installation of new simplified code and adaptations.

A comprehensive overview of all simplifications for SAP S/4HANA, compared to SAP Business Suite products, are captured in the simplification list at https://help.sap.com/viewer/p/SAP_S4HANA_ON-PREMISE. For a given customer, only a limited number of simplification items from this extensive list are applicable.

To provide customers a better view of the results for their system landscapes when converting to SAP S/4HANA, SAP offers SAP Readiness Check for SAP S/4HANA.

1.2 Scope of This Document

SAP Readiness Check for SAP S/4HANA enables you to better understand the implications of a conversion from an existing SAP ERP system to SAP S/4HANA. The check helps to identify necessary preparations and pre-projects in the current system landscape, long before an SAP S/4HANA system conversion project starts.

The results of SAP Readiness Check for SAP S/4HANA – for the system ID given on the front page – are presented in this document.

For useful transactional data and history, we recommend running SAP Readiness Check for SAP S/4HANA on a production system (or a recent copy of one). SAP Readiness Check for SAP S/4HANA includes system-specific information on adjustments that are mandatory for the conversion to SAP S/HANA

- Add-on compatibility
- Active business functions
- SAP S/4HANA simplification items, including activities
- Custom code

In addition, SAP Readiness Check for SAP S/4HANA provides system-specific information regarding:

- SAP Custom Development projects
- SAP HANA sizing and Data Volume Management
- SAP Business Process Discovery
- Required Adjustments for integration, including BW Extractors and IDoc interface

1.3 Disclaimer

By using SAP Readiness Check, you agree to the applicable terms and conditions available on the SAP Readiness Check Web site.

Please be aware that SAP Readiness Check is a high-level planning tool and designed as a first check in planning a system conversion or upgrade. SAP does not warrant the completeness of SAP Readiness Check.

The product-specific simplification list and its related restrictions continue to evolve, meaning that some restrictions may be temporary. Also, you may decide to expand the solution in the future. The analysis results provided by SAP Readiness Check reflect a specific point in time analysis for the system in scope.

While you might not use some installed functions, SAP Readiness Check does not in every case differentiate between used and installed components.

SAP recommends that you carefully read the introduction of the relevant simplification list document. Where applicable, this document is product-specific and version-specific and can be found on the related SAP Help Portal product page. The introduction contains important information about how to interpret the simplification items. SAP also recommends that you always check the latest release restriction notes, which might contain additional restrictions not maintained in the simplification list.

The custom code analysis available in SAP Readiness Check for SAP S/4HANA and SAP Readiness Check for SAP S/4HANA upgrades identifies mandatory change areas due to the simplified application architecture of the target product version. Custom code analysis does not contain a list of all adaptations necessary to support SAP HANA as a database. In addition, the analysis does not include general prerequisite adaptations for SAP HANA database migration. Lastly, the analysis does not include requisite adaptations for future add-ons or for custom code unrelated to SAP S/4HANA.

SAP Readiness Check, including the underlying data, may be changed without prior notice and is provided for informational purposes to you only.

Before you perform any tasks related to the software lifecycle, you still have to consult the relevant documentation, such as master guides, upgrade guides, documents provided on SAP Support Portal, in support package stack guides, and in SAP Notes. You cannot rely on the results of SAP Readiness Check. If you need individual guidance and support for your installation, conversion, upgrade, or improvement project, please contact your local SAP consulting organization for further advice. SAP Readiness Check and its content are provided by SAP SE and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. SAP does not warrant the accuracy or completeness of the information, text, graphics, links, or other items contained within these materials and shall have no liability for damages of any kind, including, without limitation, direct, special, indirect, or consequential damages that may result from the use of the tool. Customers remain responsible for their SAP implementation.

1.4 Analysis Scope

SID of System of Analysis	Date of Analysis
	04/03/2024

SAP S/4HANA: TARGET PRODUCT VERSION

Product	Product Version
SAP S/4HANA	SAP S/4HANA 2023

INSTALLED PRODUCT VERSION

SID	Installed Product Version
	SAP enhancement package 5 for SAP ERP 6.0

CURRENT DATABASE

SID	Database System	DB ID	Unicode
	ORACLE		Yes

OPERATING SYSTEM / SAP KERNEL

SID	Operating System	OS Version	SAP Kernel Release
	AIX		722

2 Minimum System and Landscape Requirements for a System Conversion to SAP S/4HANA

If your SAP ERP 6.0 is

- already running on SAP HANA 1.0, you need to update to SAP HANA 2.0
- not on Unicode yet, you need to convert to Unicode

prior to converting to SAP S/4HANA.

The following section contains information on the compatibility of the installed add-ons and active business functions with SAP S/4HANA. It also provides information on additional important checks that are not provided as part of SAP Readiness Check for SAP S/4HANA.

2.1 Add-On Compatibility

OVERVIEW BY STATUS

Status	Number of Add-Ons
Incompatible	0
Unknown	0
Incompatible (Uninstallable)	14
Compatible (Software Entitlement Required)	0
Certified Third-Party Software	0
Certified Third-Party Software Available	1
Compatible	7

Explanation of Status:

- **Incompatible:** The add-on is currently not supported by the target SAP S/4HANA release. It might be compatible with a lower release of SAP S/4HANA or not compatible at all. Since the add-on will block your conversion, it needs to be taken care of as soon as possible.
- **Incompatible (Uninstallable):** The add-on is incompatible but can be uninstalled. It won't block your conversion but should be reviewed as soon as possible.
- **Unknown:** The add-on needs to be validated for compatibility with the selected target SAP S/4HANA release. A follow-up with the third-party vendor is required as soon as possible, since incompatible third-party add-ons will block your conversion.
- **Compatible (Software Entitlement Required):** A compatible version of the add-on exists. However, it's not entitled for your user. A follow-up with your SAP Account Executive is required as soon as possible, since this will block your conversion.
- **Certified Third-Party Software:** The add-on is a certified third-party software. To confirm the compatibility of the add-on with the target SAP S/4HANA release, a follow-up with the third-party vendor is required as soon as possible.
- **Certified Third-Party Software Available:** The add-on is generally certified, but not for the currently selected target SAP S/4HANA release or the currently installed version of the add-on. Please

access [SAP Integration and Certification Center](#) and check the conversion strategy with the respective software provider.

- Compatible: The add-on is compatible with SAP S/4HANA.

Note: incompatible add-ons will block your conversion during SUM and therefore need to be taken care of.

For further investigation, please create an incident on component XX-SER-REL or BC-UPG-ADDON.

ADD-ONS ARE NOT (YET) SUPPORTED FOR SAP S/4HANA

There is no add-on with status "Incompatible"

SOFTWARE COMPONENT VERSIONS NOT ASSIGNED TO ANY INSTALLED PRODUCT VERSION

There is no such software component version

THIRD-PARTY ADD-ONS

There is no Third-party add-ons

For Third party add-ons, please contact the vendor directly to confirm that the respective add-on is released for SAP S/4HANA in its current version or in a successor version.

If an add-on is no longer required, please check with the vendor if a package for uninstalling the add-on is available.

ADD-ONS WHICH ARE INCOMPATIBLE BUT CAN BE UNINSTALLED

Addon	SAP Note
SAP Fiori principal apps 1.0 for SAP ERP - Central Applications INT	2771798
Approve Purchase Orders 1.0 - DFA PURCHASEORDAPPR INT	2771798
Approve Purchase Contracts 1.0 - DFA PURCHASECONTAPPR INT 7.40	2771798
Create Sales Orders 1.0 - DFA ORDERCRE INT	2771798
Customer Invoices 1.0 - DFA INVOICEBILL INT	2771798
My Spend 1.0 - DFA MYDEPTSPEND INT	2771798
Check Price and Availability 1.0 - DFA PRICECHECK INT	2771798
Change Sales Orders 1.0 - DFA ORDERCHG INT	2771798
Track Shipments 1.0 - DFA SHIPTRK INT	2771798
Approve Requisitions 1.0 - DFA PURCHASEREQAPPR INT	2771798
Track Purchase Orders 1.0 - DFA TRACKPO INT	2771798
Duet Enterprise, feature pack 1 for adapter 1.0 - Gateway BEP	2772957
Track Sales Orders 1.0 - DFA ORDERSTSTRK INT	2771798
Order from Requisitions 1.0 - DFA ORDERPOREQ INT	2771798

ADD-ONS WHICH ARE CERTIFIED THIRD-PARTY SOFTWARE

There is no add-on which is certified Third-party Software

ADD-ONS WHICH ARE CERTIFIED THIRD-PARTY SOFTWARE AVAILABLE

Addon	Vendor
BST1 200_700	Third-Party (www.bestsapcbi.com)

ADD-ONS WHICH ARE COMPATIBLE TO SAP S/4HANA

Addon	Vendor
Gateway BEP	SAP
Central Applications INT ERP 6.00	SAP
Process Gateway	SAP
Plug-in on SAP BASIS 7.00	SAP
Plug-in on SAP BASIS 7.00	SAP
Central Applications INT ERP 6.04	SAP
DFA GENERICINBX INT	SAP

The following SAP Notes contain more information on SAP and 3rd party add-ons for SAP S/4HANA.

SAP Note	Description
2214409	SAP S/4HANA: Compatible Add-ons
2011192	De-installation of SAP Addons

There may be licensing implications regarding the upgrade of an add-on to a compatible SAP S/4HANA version of the add-on. Please check with SAP and the respective vendors of the 3rd party add-ons for potential license implications when converting to SAP S/4HANA.

LINK TO THE COMPLETE LIST OF ADD-ONS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Addon](https://me.sap.com/readinesscheck/Analysis('6018999')/Addon)

2.2 Active Business Functions

The maintenance planner reports that no active business function is implemented in the system.

2.3 Recommended Additional Checks

Please note that in addition to the checks above provided by SAP Readiness Check for SAP S/4HANA, additional restrictions and landscape requirements may be relevant for your system.

Please read the following SAP Notes carefully:

SAP Note	Description
2251604	Version Interoperability between SAP S/4HANA On Premise Edition and SAP NetWeaver Systems

3 Required Solution Adjustments for a System Conversion to SAP S/4HANA

3.1 SAP S/4HANA Simplification Items

A comprehensive overview of all simplifications for SAP S/4HANA compared to the SAP Business Suite products – that is, all mandatory solution adjustments in a system conversion project – is captured in the **Simplification List for SAP S/4HANA** at https://help.sap.com/viewer/p/SAP_S4HANA_ON-PREMISE.

This section of the SAP Readiness Check displays those simplification items (out of the overall list of more than 470 items) that are relevant for your specific SAP ERP 6.x system installation. The identification mainly relies on table contents and used transactions. **For accurate results we recommended that you run the SAP Readiness Check for SAP S/4HANA on an SAP ERP 6.x production system with at least a four week-long transaction history.**

GENERAL STATISTICS

Status	Number of Objects
Overall number of Simplification Items	671
Check performed, item is not relevant. No follow-up activity necessary.	549
Check performed, item is relevant (excludes "non strategic items"). Check business impact note.	105
Relevance cannot be automatically determined. (excludes "non strategic items"). Check business impact note.	17

3.1.1 Relevant Simplification Items

The following table lists simplification items that have been checked and are immediately relevant:

RELEVANT SIMPLIFICATION ITEMS

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Asset Management - Maintenance Management	S4TWL - Object List Number Field Length Extension SI10: Logistics_PM	Low (default)	Change of existing functionality	2580670	Item is relevant. DB table 'OBJK' based check. Relevant criteria is ">0 " and number found is 1 .
Asset Management - Maintenance Management	S4TWL - Scheduling of Maintenance Plan SI3: Logistics_PM	Low (default)	Functionality deprecated (alternative exists with roadmap)	2270078	Item is relevant. DB table 'MPLA' based check. Relevant criteria is ">0 " and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - Simplification of copy/reference handling SI5: MasterData_PM	Low (default)	Change of existing functionality	2330063	Item is relevant. DB table 'T130F' based check. Relevant criteria is ">0 " and number found is 1 . ; Item is relevant. DB table 'MARA' based check. Relevant criteria is ">0 " and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - Handling Oil & Gas obsolete t-codes Oil SI10: Oil_Obsolete-Transaction-Codes	Low (default)	Change of existing functionality	2328674	Item relevant; business function BUSINESS_FUNCTI ON_BASIS_COM is active

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Application Platform and Infrastructure - Process Management and Integration	ABAPTWL - Change of authorization checks SAP Business Workflow SI21: AS_ABAP_WORKFLOW_AUTHORIZATION_CHANGES	Assessment Required (default)	Change of existing functionality	2979517	Item is relevant. Transaction 'SWI2_DIAG'. Relevant criteria is ">0" and number found is 1.
Manufacturing - Manufacturing Operations	S4TWL - Batch History SI36: Logistics_PP	Low (default)	Functionality unavailable (no alternative planned)	2270242	Item is relevant. DB table 'MCHA' based check. Relevant criteria is ">0" and number found is 1.
Finance - Cost Management and Profitability Analysis	S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing SI6: FIN_MISC_ML	Low (default)	Change of existing functionality	2352383	Item is relevant. DB table 'EKBE' based check. Relevant criteria is ">0" and number found is 1.
Solutions for Specific Industries - Oil and Gas	S4TWL - Optimization in Oil&Gas - Inter company sales - Cross border excise duty SI2: Oil_Cross_Border_Excise_Duty	Low (default)	Change of existing functionality	2347421	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Solutions for Specific Industries - Oil and Gas	S4TWL - IS-OIL - Commodity Management Integration SI24: OIL_CMM_INTEGRATION	Medium (default)	Change of existing functionality	2534268	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Solutions for Specific Industries - Oil and Gas	S4TWL - Financial Based netting depreciation SI8: Oil_Financial-Based-netting-depreciation	Assessment Required (default)	Functionality unavailable (alternative exists)	2328017	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Manufacturing - Quality Management	S4TWL - QM WEB Workplace (MiniApps) based on ITS Services SI_3_Logistics_QM	Medium (default)	Functionality unavailable (no alternative planned)	2270129	Item is relevant. DB table 'AGR_MAPP' based check. Relevant criteria is ">0" and number found is 1.
IT Management - Administration and Usability	S4TWL - Generic Check for SAP S/4HANA Conversion and Upgrade SI22: GENERIC_CHECKS	Low (default)	Change of existing functionality	2618018	Item is relevant. DB table 'T000' based check. Relevant criteria is ">0" and number found is 1.

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
R&D/Engineering - Product Lifecycle Management	S4TWL - Engineering Client Viewer (ECL) SI8: Logistics - PLM	Low (default)	Functionality unavailable (no alternative planned)	2267864	Item is relevant. Transaction ' CV01N '. Relevant criteria is ">0 " and number found is 11 .
Supply Chain - Inventory	S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) SI1: Logistics_MM-IM	Assessment Required (default)	Change of existing functionality	2206980	Item is relevant. DB table 'MSEG' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Quality Management	S4TWL - ITS services in QM SI_2_Logistics_QM	Medium (default)	Functionality unavailable (no alternative planned)	2270126	Item is relevant. DB table 'ICFSERVLOC' based check. Relevant criteria is ">0 " and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - Business Partner Approach SI2: MasterData_BP	Assessment Required (default)	Change of existing functionality	2265093	Item is relevant. DB table 'LFA1' based check. Relevant criteria is ">0 " and number found is 1 .
IT Management - Administration and Usability	S4TWL - New Default Security Settings for SAP S/4HANA SI27: CT_SECURE_BY_DEFAULT	Low (default)	Change of existing functionality	2926224	Item is relevant. DB table 'USR02' based check. Relevant criteria is ">0 " and number found is 1 .
Supply Chain - Advanced Order Promising	S4TWL - New advanced ATP in SAP S/4HANA – Table VBBS SI1: Logistics_ATP	Low (default)	Functionality unavailable (alternative exists)	2267745	Item is relevant. DB table 'TMVF' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Production Planning	S4TWL - MRP fields in Material Master SI7:MasterData_PM	Low (default)	Functionality unavailable (no alternative planned)	2267246	Relevant as checked by CLS4SIC_LO_MD_MM_MRP: Data maintained in corresponding MRP fields for product 00000000000904144 in client 005.
Finance - Cost Management and Profitability Analysis	S4TWL - ACTIVITY-BASED COSTING SI3_FIN_CO	Low (default)	Functionality unavailable (no alternative planned)	2270408	Item is relevant. DB table 'TKA00' based check. Relevant criteria is ">0 " and number found is 1 .
R&D/Engineering - Product Lifecycle Management	S4TWL - Easy Document Management (Easy DMS) SI9: Logistics - PLM	Assessment Required (default)	Functionality unavailable (alternative exists)	2267866	Item is relevant. Transaction ' CV01N '. Relevant criteria is ">0 " and number found is 11 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
R&D/Engineering - Enterprise Portfolio and Project Management	S4TWL - Project System ITS Services SI17 Logistics_PS	Assessment Required (default)	Functionality unavailable (no alternative planned)	2267331	Item is relevant. DB table 'ICFSERVLOC' based check. Relevant criteria is ">0 " and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - IS-OIL Proper sign operation for ACDOCA SI3: IS-OIL Proper sign operation for ACDOCA	Low (default)	Change of existing functionality	2350150	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Sales - Order and Contract Management	S4TWL - Data Model Changes in SD Pricing SI2: SD_PRIC	Medium (default)	Change of existing functionality	2267308	Item is relevant. DB table 'NACH' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Enterprise Risk and Compliance	S4TWL - Foreign Trade fields in Material Master SI6:MasterData_PM	Assessment Required (default)	Functionality unavailable (alternative exists)	2267225	Item is relevant. DB table 'MARC' based check. Relevant criteria is ">0 " and number found is 1 .
R&D/Engineering - Product Lifecycle Management	S4TWL - Classification - Data Cleanup before Migration SI32: Logistics_PLM	Low (default)	Change of existing functionality	2949845	Item is relevant. DB table 'INOB' based check. Relevant criteria is ">0 " and number found is 1 .
Sourcing and Procurement - Operational Procurement	S4TWL - Classic MM-PUR GUI Transactions replacement SI11: PROC_MM_DYN	Medium (default)	Functionality unavailable (alternative exists)	2267449	Item is relevant. Transaction ' ME23 ' . Relevant criteria is ">0 " and number found is 12 .
Sourcing and Procurement - Operational Procurement	S4TWL - Output Management Adoption in Purchase Order SI9: PROC_MM_OUTPUT	Low (default)	Change of existing functionality	2267444	Item is relevant. DB table 'NAST' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Accounting and Financial Close	S4TWL - Amount Field Length Extension SI8_FIN_GL	Medium (default)	Change of existing functionality	2628654	Item is relevant. DB table 'BKPF' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Production Planning	S4TWL - Simplified Sourcing SI7: Logistics_PP	Medium (default)	Change of existing functionality	2268069	Item is relevant. DB table 'MARC' based check. Relevant criteria is ">0 " and number found is 1 .
Application Platform and Infrastructure - Process Management and Integration	S4TWL - OUTPUT MANAGEMENT SI4: CT_OM	Low (default)	Change of existing functionality	2470711	Item is relevant. DB table 'CVERS' based check. Relevant criteria is ">0 " and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Finance - Accounting and Financial Close	S4TWL - GENERAL LEDGER SI1: FIN_GL	Assessme nt Required (default)	Change of existing functionality	2270339	Item is relevant. DB table 'COEP' based check. Relevant criteria is ">0" and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - Extended IS- OIL Customizing SI23: EXT_OIL_CUSTOMIZIN G	Low (default)	Change of existing functionality	2534360	Item relevant; business function BUSINESS_FUNCTI ON_BASIS_COM is active
Solutions for Specific Industries - Oil and Gas	S4TWL - Optimization in Oil & Gas - TD module for STO and sales order with POD b SI17: Oil_TD-Module- STO_SO-with-POD	Low (default)	Change of existing functionality	2328639	Item relevant; business function BUSINESS_FUNCTI ON_BASIS_COM is active
R&D/Engineeri ng - Product Lifecycle Management	S4TWL - BOM, Routing, Production Version SI16: Logistics - PLM	Medium (default)	Change of existing functionality	2267880	Item is relevant. DB table 'MARA' based check. Relevant criteria is ">0" and number found is 1 .; Item is relevant. DB table 'MARC' based check. Relevant criteria is ">0" and number found is 1 .
Asset Management - Maintenance Management	S4TWL - SAP Graphics in EAM Transactions SI9: Logistics_PM	Low (default)	Change of existing functionality	2482659	Item is relevant. Transaction 'IP19' . Relevant criteria is ">0" and number found is 3 .
Sales - Order and Contract Management	S4TWL -Miscellaneous minor functionalities in SD Area SI16: SD_Miscellaneous minor deprecations in SD Area	Low (default)	Functionality unavailable (alternative exists)	2267395	Item is relevant. DB table 'LIKP' based check. Relevant criteria is ">0" and number found is 1 .
Finance - Treasury Management	S4TWL - CASH MANAGEMENT - Bank Accounts SI2: FIN_CM	Medium (default)	Functionality unavailable (alternative exists)	2870766	Item is relevant. DB table 'T012K' based check. Relevant criteria is ">0" and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - Batch Input for Customer Master/Supplier Master SI25: MasterData_BP	Assessme nt Required (default)	Functionality unavailable (alternative exists)	2492904	Item is relevant. DB table 'KNA1' based check. Relevant criteria is ">0" and number found is 1 .
Human Resources - Core HR and Time Recording	S4TWL - ESS and MSS SI5: HR_JAVA_ESS_MSS	Medium (default)	Functionality unavailable (alternative exists)	2383879	Item is relevant. DB table 'PA0000' based check. Relevant criteria is ">0" and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Supply Chain - Inventory	S4TWL - Goods movements without exclusive locking by material valuation SI7: Logistics_MM-IM	Low (default)	Change of existing functionality	2338387	Item is relevant. DB table 'MBEW' based check. Relevant criteria is ">0" and number found is 1 .
Supply Chain - Inventory	S4TWL - Performance optimizations within Material Document Processing - lock beh SI5: Logistics_MM-IM	Low (default)	Change of existing functionality	2319579	Item is relevant. DB table 'TMC4' based check. Relevant criteria is ">0" and number found is 1 . ; Item is relevant. DB table 'TCURM' based check. Relevant criteria is ">0" and number found is 1 .
Finance - Enterprise Risk and Compliance	S4TWL - Foreign Trade SI3: SD_FT	Medium (default)	Functionality unavailable (alternative exists)	2267310	Item is relevant. DB table 'T604' based check. Relevant criteria is ">0" and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - Improved update logic for excise duty related movements in MBEW SI21: EXCISE_DUTY_MBEW_UPDATE	Low (default)	Change of existing functionality	2534551	Item relevant; business function COMMODITY_MGMT_&_BULK_LOGISTICS is active
Solutions for Specific Industries - Oil and Gas	S4TWL - Unit of Measure (UoM) Group enhancement SI5: Oil_UOM	Low (default)	Change of existing functionality	2328459	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Database and Data Management - Enterprise Information Management	S4TWL - BI Extractors in SAP S/4HANA SI18: CT_BW_EXTRACTORS	Medium (default)	Functionality unavailable (alternative exists)	2500202	Item is relevant. DB table 'ROOSOURCE' based check. Relevant criteria is ">0" and number found is 1 .
Supply Chain - Inventory	S4TWL - AVAILABILITY OF TRANSACTIONS IN MM-IM SI2: Logistics_MM-IM	Low (default)	Functionality deprecated (alternative exists)	2210569	Item is relevant. Transaction ' MB11 '. Relevant criteria is ">0" and number found is 1 .
Finance - Accounting and Financial Close	S4TWL - Currencies in Universal Journal SI6_FIN_GL	Low (default)	Change of existing functionality	2344012	Item is relevant. DB table 'BKPF' based check. Relevant criteria is ">1" and number found is 2 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Finance - Cost Management and Profitability Analysis	S4TWL - COST ELEMENTS SI7: FIN_CO	Medium (default)	Functionality unavailable (alternative exists)	2270419	Item is relevant. DB table 'COEP' based check. Relevant criteria is ">100 " and number found is 101 .; Item is relevant. DB table 'COSS' based check. Relevant criteria is ">100 " and number found is 101 .; Item is relevant. DB table 'COSP' based check. Relevant criteria is ">100 " and number found is 101 .; Item is relevant. DB table 'CSKA' based check. Relevant criteria is ">1 " and number found is 2 .
Database and Data Management - Enterprise Information Management	S4TWL - Removal of Gender Domain Fixed Values SI27: MasterData_BP	Assessment Required (default)	Change of existing functionality	2928897	Item is relevant. DB table 'KNA1' based check. Relevant criteria is ">0 " and number found is 1 .
Supply Chain - Inventory	S4TWL - Material Valuation - Statistical moving average price SI4: Logistics_MM-IM	Low (default)	Change of existing functionality	2267835	Item is relevant. DB table 'MBEW' based check. Relevant criteria is ">0 " and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - LEGACY SYSTEM MIGRATION WORKBENCH SI9: CT_LSMW	Low (default)	Functionality deprecated (alternative exists)	2287723	Item is relevant. DB table 'CVERS' based check. Relevant criteria is ">0 " and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - Simplified Product Master Tables Related to OMSR Transaction SI3: MasterData_PM	Low (default)	Change of existing functionality	2267138	Item is relevant. DB table 'MARA' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Production Planning	S4TWL - Planning File SI12: Logistics_PP	Medium (default)	Change of existing functionality	2268088	Item is relevant. DB table 'T001W' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Financial Operations	S4TWL - Determination of default values in Intrastat reporting SI3: FIN_SLL_ISR_DV	Low (default)	Change of existing functionality	2468294	Item is relevant. DB table 'T605Z' based check. Relevant criteria is ">0 " and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Finance - Accounting and Financial Close	S4TWL - Removal of D/C Indicator from Editing Options SI9: FIN_GL	Low (default)	Change of existing functionality	2865285	Item is relevant. Transaction ' FB50 '. Relevant criteria is ">0 " and number found is 1 .
Asset Management - Maintenance Management	S4TWL - Changes In List Reports For Order and Notification SI6: Logistics_PM	Low (default)	Functionality deprecated (alternative exists)	2270108	Item is relevant. DB table 'AFIH' based check. Relevant criteria is ">0 " and number found is 1 .
IT Management - Administration and Usability	S4TWL - Business User Management SI21: BUSINESS_USER	Medium (default)	Change of existing functionality	2570961	Item is relevant. DB table 'USR02' based check. Relevant criteria is ">0 " and number found is 1 .
Asset Management - Maintenance Management	S4TWL - Download Data in MS Access out of List SI2: Logistics_PM	Low (default)	Functionality deprecated (alternative exists)	2270076	Item is relevant. DB table 'EQUI' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Accounting and Financial Close	S4TWL - DATA STRUCTURE CHANGES IN ASSET ACCOUNTING SI1: FIN_AA	Low (default)	Change of existing functionality	2270387	Item is relevant. DB table 'ANEK' based check. Relevant criteria is ">1 " and number found is 2 .
Supply Chain - Inventory	S4TWL - Material Ledger Obligatory for Material Valuation SI3: Logistics_MM-IM	Medium (default)	Change of existing functionality	2267834	Item is relevant. DB table 'T001K' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Cost Management and Profitability Analysis	S4TWL - Summarization Hierarchies in Controlling SI11: FIN_CO	Low (default)	Change of existing functionality	2349282	Item is relevant. DB table 'TKKR1' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Accounting and Financial Close	S4TWL - ASSET ACCOUNTING SI2: FIN_AA	Potentially High (default)	Change of existing functionality	2270388	Item is relevant. DB table 'T093C' based check. Relevant criteria is ">0 " and number found is 1 .
Database and Data Management - Enterprise Information Management	S4TWL - Business Partner BUT000/Header Level Time Dependency SI20: MASTERDATA_BP	Medium (default)	Functionality unavailable (no alternative planned)	2379157	Item is relevant. DB table 'TB056' based check. Relevant criteria is ">0 " and number found is 1 . ; Item is relevant. DB table 'TB056' based check. Relevant criteria is ">0 " and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Sourcing and Procurement - Invoice Management	S4TWL - Supplier Invoice New Archiving SI20: PROC_MM_IV_ILM	Low (default)	Change of existing functionality	2578291	Item is relevant. DB table 'RBKP' based check. Relevant criteria is ">0 " and number found is 1 .
R&D/Engineering - Product Lifecycle Management	S4TWL - Variant Configuration SI13: Logistics - PLM	Low (default)	Change of existing functionality	2267873	Item is relevant. DB table 'CUKB' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Cost Management and Profitability Analysis	S4TWL - TECHNICAL CHANGES IN CONTROLLING SI1: FIN_CO	Medium (default)	Change of existing functionality	2270404	Item is relevant. DB table 'COSP' based check. Relevant criteria is ">100 " and number found is 101 .; Item is relevant. DB table 'COSS' based check. Relevant criteria is ">100 " and number found is 101 .; Item is relevant. DB table 'COEP' based check. Relevant criteria is ">100 " and number found is 101 .
Solutions for Specific Industries - Oil and Gas	S4TWL - eNetting Deprecation SI6: Oil_eNetting	Medium (default)	Functionality unavailable (no alternative planned)	2328548	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Solutions for Specific Industries - Defense and Security	S4TWL - BI content, Datasources and extractors for DFPS SI2: Defense&Security	Assessment Required (default)	Functionality unavailable (no alternative planned)	2273294	Item is relevant. DB table 'ROOSOURCE' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Accounting and Financial Close	S4TWL - REPLACED TRANSACTION CODES AND PROGRAMS IN FIN SI2_FIN_General	Medium (default)	Functionality unavailable (alternative exists)	2742613	Item is relevant. DB table 'COEP' based check. Relevant criteria is ">0 " and number found is 1 .
Sales - Order and Contract Management	S4TWL - Billing Document Output Management SI14: SD_BILLING_OM	Low (default)	Change of existing functionality	2790427	Item is relevant. DB table 'VBRK' based check. Relevant criteria is ">0 " and number found is 1 .
Human Resources - Core HR and Time Recording	S4TWL – Parts of Time Management SI26: HR_Parts_of_Time_Management	Assessment Required (default)	Functionality unavailable (alternative exists)	3224341	Relevant as checked by CLS4SIC_HR_TIME_MANAGEMENT: .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Manufacturing - Quality Management	S4TWL - Authorization Objects in QM SI9: Logistics_QM	Low (default)	Change of existing functionality	2505099	Item is relevant. Transaction ' QA03 '. Relevant criteria is ">0 " and number found is 1 .
Asset Management - Maintenance Management	S4TWL - Enterprise Search in EAM SI8: Logistics	Low (default)	Change of existing functionality	2270123	Item is relevant. DB table 'EQUI' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Production Planning	S4TWL - Graphical display of available quantity in MRP evaluations SI39: Logisticis_PP	Assessment Required (default)	Functionality unavailable (alternative exists)	3018123	Item is relevant. DB table 'T001W' based check. Relevant criteria is ">0 " and number found is 1 .
Solutions for Specific Industries - Retail	S4TWL - Retail Information System SI33: Logistics_General	Assessment Required (default)	Functionality unavailable (alternative planned)	2370131	Item is relevant. DB table 'TMC4' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Accounting and Financial Close	S4TWL – Migration from account solution to ledger solution SI4_FIN_General	Assessment Required (default)	Change of existing functionality	3042755	Relevant as checked by CLS4SIC_FI_ACC_CHECK: Account solution is used in client(s): 005 in 1 company codes / depreciation areas.
Solutions for Specific Industries - Oil and Gas	S4TWL - IS-OIL Data Archiving For Exchanges SI25: OIL_ARCHIVE_EXCHANGES	Low (default)	Change of existing functionality	2534442	Item relevant; business function COMMODITY_MGMT_&_BULK_LOGISTIC is active
Sourcing and Procurement - Operational Procurement	S4TWL - Co-Deployment of SAP SRM SI1: PROCR_SRM	Medium (default)	Change of existing functionality	2271166	Item is relevant. DB table 'CVERS' based check. Relevant criteria is ">0 " and number found is 1 .
Human Resources - Core HR and Time Recording	S4TWL – HCM Obsolete Packages SI19: HR_Obsolete_Packages	Assessment Required (default)	Functionality unavailable (no alternative planned)	3224319	Item is relevant. DB table 'PA0000' based check. Relevant criteria is ">0 " and number found is 1 . ; Item relevant; business function H4S4_1 is inactive
Sourcing and Procurement - Invoice Management	S4TWL - Authorization Concept for Supplier Invoice SI14: PROC_MM_IV_AUTH	Medium (default)	Change of existing functionality	2271189	Item is relevant. DB table 'RBKP' based check. Relevant criteria is ">0 " and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Finance - Accounting and Financial Close	S4TWL - DATA MODEL CHANGES IN FIN SI1: FIN_General	Low (default)	Change of existing functionality	2270333	Item is relevant. DB table 'BKPF' based check. Relevant criteria is ">100 " and number found is 101 .
Database and Data Management - Enterprise Information Management	S4TWL - Material Number Field Length Extension SI4: MasterData_PM	Assessme nt Required (default)	Change of existing functionality	2267140	Item is relevant. DB table 'MARA' based check. Relevant criteria is ">0 " and number found is 1 .
Asset Management - Maintenance Management	S4TWL - Batch Input for Enterprise Asset Management (EAM) SI5: Logistics_PM	Low (default)	Functionality deprecated (alternative exists with roadmap)	2270107	Item is relevant. DB table 'EQUI' based check. Relevant criteria is ">0 " and number found is 1 .
Service - Service Master Data & Agreement Management	S4TWL - Material Type SERV SI8: MasterData_PM	Low (default)	Change of existing functionality	2267247	Item is relevant. DB table 'MARA' based check. Relevant criteria is ">0 " and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - UoM Group Extension Improvements SI22: UOM_GROUP_EXT_IM PROVE	Low (default)	Change of existing functionality	2534454	Item relevant; business function COMMODITY_MGM T_&_BULK_LOGISTI C is active
Finance - Cost Management and Profitability Analysis	S4TWL - Profitability Segment Number Change of Type SI15: FIN_CO	Assessme nt Required (default)	Change of existing functionality	3320010	Item is relevant. DB table 'TKA00' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Enterprise Risk and Compliance	S4TWL - Foreign Trade within SAP S/4HANA Procurement SI15: PROC_FT	Assessme nt Required (default)	Functionality unavailable (alternative exists)	2267740	Item is relevant. DB table 'T604T' based check. Relevant criteria is ">0 " and number found is 1 .
Sourcing and Procurement - Invoice Management	S4TWL - New Customizing for Exchange Rate Difference Handling SI21: PROC_MM_IV_ERD	Assessme nt Required (default)	Change of existing functionality	3053636	Item is relevant. DB table 'RBKP' based check. Relevant criteria is ">0 " and number found is 1 .

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Human Resources - Core HR and Time Recording	S4TWL – Flexible Benefits not supported in ESS technologies SI31: Flex_Benefits_not_supported_in_ESS	Assessment Required (default)	Functionality unavailable (no alternative planned)	3221404	Item is relevant. DB table 'T5UB3' based check. Relevant criteria is ">0" and number found is 1 . ; Item is relevant. DB table 'T74HP' based check. Relevant criteria is ">0" and number found is 1 .
Sales - Order and Contract Management	S4TWL - SD Simplified Data Models SI1: SD_GENERAL	Low (default)	Change of existing functionality	2267306	Item is relevant. DB table 'VBUK' based check. Relevant criteria is ">0" and number found is 1 .
Sourcing and Procurement - Sourcing and Contract Management	S4TWL - RFQ Simplified Transaction SI18: PROC_RFQ Simplified Transaction	Assessment Required (default)	Functionality deprecated (alternative exists with roadmap)	2332710	Item is relevant. DB table 'EKKO' based check. Relevant criteria is ">20" and number found is 21 .
Sourcing and Procurement - Operational Procurement	S4TWL - Webdynpro Applications for Purchase Requisition Transfer from ERP to SRM SI19: PROC_CPPR_SPPR	Low (default)	Functionality unavailable (no alternative planned)	2200412	Item is relevant. DB table 'ICFSERVLOC' based check. Relevant criteria is ">0" and number found is 1 .
Application Platform and Infrastructure - Process Management and Integration	ABAPTWL - Change of workflow system user and workflow system jobs SI20: AS_ABAP_WORKFLOW_USER_JOBS	Assessment Required (default)	Change of existing functionality	2568271	Item is relevant. DB table 'SWWWIHEAD' based check. Relevant criteria is ">0" and number found is 1 .
IT Management - Administration and Usability	S4TWL - JOB SCHEDULING SI8: CROSS_BC_CCM-BTC	Low (default)	Change of existing functionality	2318468	Item is relevant. DB table 'CVERS' based check. Relevant criteria is ">0" and number found is 1 .
Manufacturing - Environment, Health, and Safety	S4TWL - Specification Workbench Adjustments SI14: Logistics_PSS	Low (default)	Change of existing functionality	2439345	Item is relevant. DB table 'TCGENV' based check. Relevant criteria is ">0" and number found is 1 .
Solutions for Specific Industries - Oil and Gas	S4TWL - Dynamic Scheduling deprecation SI7: Oil_Dynamic-Scheduling	Assessment Required (default)	Functionality unavailable (alternative exists)	2328538	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Solutions for Specific Industries - Oil and Gas	S4TWL - Oil & Gas inconsistency reports deprecation SI9: Oil_Inconsistency-reports-deprecation	Low (default)	Change of existing functionality	2328561	Item relevant; business function BUSINESS_FUNCTION_BASIS_COM is active
Sourcing and Procurement - Operational Procurement	S4TWL - Pricing Data Model Simplification SI8: PROC_MM_PRICING	Medium (default)	Change of existing functionality	2267442	Item is relevant. DB table 'KONV' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Production Planning	S4TWL - Planning Horizon SI35: Logistics_PP	Medium (default)	Functionality unavailable (no alternative planned)	2270241	Item is relevant. DB table 'T001W' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Cost Management and Profitability Analysis	S4TWL - Profitability Analysis SI9: FIN_CO	Assessment Required (default)	Change of existing functionality	2349278	Item is relevant. DB table 'TKA00' based check. Relevant criteria is ">0 " and number found is 1 .
Finance - Cost Management and Profitability Analysis	S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING SI2_FIN_CO	Low (default)	Change of existing functionality	2270407	Item is relevant. DB table 'COSP' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Environment, Health, and Safety	S4TWL - Industrial Hygiene and EC interfaces SI1: Logistics_EHS - IH and EC	Medium (default)	Functionality unavailable (alternative exists)	2267781	Item is relevant. DB table 'CCIHT_IAL' based check. Relevant criteria is ">1 " and number found is 2 .
Human Resources - Core HR and Time Recording	S4TWL - Conversion of Employees to Business Partners SI2: HR_Empl	Low (default)	Change of existing functionality	2340095	Item is relevant. DB table 'PA0000' based check. Relevant criteria is ">0 " and number found is 1 .
Manufacturing - Environment, Health, and Safety	S4TWL - BW Extractors for Dangerous Goods Management and Specification Management SI8: Logistics_PSS	Low (default)	Functionality unavailable (no alternative planned)	2267432	Item is relevant. DB table 'ROOSOURCE' based check. Relevant criteria is ">0 " and number found is 1 .

3.1.2 Simplification Items with Relevance to Be Checked

The following simplification items cannot be checked automatically but may be immediately relevant for your SAP S/4HANA system conversion. Please check the relevance of items from used application areas by the provided Business Impact SAP Notes:

SIMPLIFICATION ITEMS WITH RELEVANCETO BE CHECKED

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
R&D/Engineering - Product Lifecycle Management	S4TWL - Enterprise Search in SAP Product Lifecycle Management (SAP PLM) SI1: Logistics_PLM	Low (default)	Change of existing functionality	2267836	Relevance cannot be determined. Please execute this check manually.
Others	ABAPTWL - Instances without ICM not supported SI07: AS_ABAP_INSTANCE_WITHOUT_ICM	Assessment Required (default)	Functionality unavailable (no alternative planned)	2560792	Relevance cannot be determined. Please execute this check manually.
Application Platform and Infrastructure - Process Management and Integration	ABAP4TWL - Removal of Transceiver Integration SI18: AS_ABAP_TRANSCEIVER_INTEGRATION	Assessment Required (default)	Functionality unavailable (no alternative planned)	2879911	Relevance cannot be determined. Please execute this check manually.
IT Management - Administration and Usability	ABAPTWL - Dual Stack not supported SI06: AS_ABAP_DUAL_STACK	Assessment Required (default)	Functionality unavailable (no alternative planned)	2560791	Relevance cannot be determined. Please execute this check manually.
Application Platform and Infrastructure - Process Management and Integration	S4TWL - Webshops by Internet Sales or Web Channel Experience Management SI11: SD_IS	Assessment Required (default)	Functionality unavailable (alternative exists)	2271161	Relevance cannot be determined. Please execute this check manually.
Application Platform and Infrastructure - Process Management and Integration	S4TWL - Side Panel functionality in SAP S/4HANA (on-premise) SI14: CT_SIDE_PANELS	Medium (default)	Functionality deprecated (alternative exists)	2340424	Relevance cannot be determined. Please execute this check manually.
Solutions for Specific Industries - Oil and Gas	S4TWL - Data Model in Oil & Gas Inventory management SI1: Oil_Data-Model-Inventory	Medium (default)	Change of existing functionality	2328419	CLS4SIC_IS_OIL_HPM_SI1 not found; check the implementation status of SAP Note 0002481172.
Application Platform and Infrastructure - Process Management and Integration	S4TWL - Custom Fields SI13: CT_Custom-Fields	Low (default)	Change of existing functionality	2320132	Relevance cannot be determined. Please execute this check manually.

LoB– BusinessArea	Title	Effort Ranking	Category	SAP Note	Relevance
Application Platform and Infrastructure - Process Management and Integration	S4TWL - FIORI APPLICATIONS FOR SUITE ON HANA ON-PREMISE SI10: CT_FIORI	Assessment Required (default)	Change of existing functionality	2288828	Relevance cannot be determined. Please execute this check manually.
Others	ABAPTWL - AS Java not available SI05: AS_ABAP_JAVA_SUPPORT	Assessment Required (default)	Functionality unavailable (no alternative planned)	2560753	Relevance cannot be determined. Please execute this check manually.
Finance - Accounting and Financial Close	S4TWL - Globalization – Financials SI1_GSFIN	Medium (default)	Functionality unavailable (alternative exists)	2270311	Relevance cannot be determined. Please execute this check manually.
IT Management - Administration and Usability	ABAPTWL - Cleanup of orphaned objects SI02: AS_ABAP_CLEANUP	Assessment Required (default)	Functionality unavailable (no alternative planned)	2672757	Relevance cannot be determined. Please execute this check manually.
IT Management - Administration and Usability	ABAPTWL - VM Container not supported SI04: AS_ABAP_VMCONTAINER	Assessment Required (default)	Functionality unavailable (no alternative planned)	2560708	Relevance cannot be determined. Please execute this check manually.
Sourcing and Procurement - Operational Procurement	S4TWL - MDM Catalog SI7: PROC_MDM	Medium (default)	Functionality unavailable (alternative exists)	2271184	Relevance cannot be determined. Please execute this check manually.
IT Management - Administration and Usability	ABAPTWL - SSCR license key procedure is no longer supported SI03: AS_ABAP_SSCR	Assessment Required (default)	Functionality unavailable (alternative exists)	2309060	Relevance cannot be determined. Please execute this check manually.
Finance - Financial Operations	S4TWL - DMEE SI10_FIN_General	Assessment Required (default)	Functionality deprecated (alternative exists)	3370503	CLS4SIC_DMEE_AB A not found; check the implementation status of SAP Note 0003421371.
Application Platform and Infrastructure - Process Management and Integration	S4TWL - Changed Interfaces SI15: CT_Integration	Assessment Required (default)	Change of existing functionality	2259818	Relevance cannot be determined. Please execute this check manually.

If you would like to have the sort and filter possibility on the relevant simplification items or see additional attributes, use the simplification item excel generated together with the word document.

LINK TO THE LIST OF RELEVANT SIMPLIFICATION ITEMS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Simplification](https://me.sap.com/readinesscheck/Analysis('6018999')/Simplification)

3.1.3 Activities Related to Simplification Items

This new section shows you project-related activities per simplification item drawn from each individual simplification item business impact note and various other sources. Each activity is assigned a conversion phase and a condition helping you to drill down into each area and filter accordingly. This information shall also help you to identify activities that can be performed well in advance of the actual conversion project and supports you to redirect certain to-dos to the right departments in your organization.

NOTE: The activities per simplification item are taken from available documentation and might not cover all actions that are necessary during your SAP S/4HANA conversion project.

GENERAL STATISTICS

Status	Number of Objects
Overall number of activities	356

Related Simplification Item	Activities	Phase	Condition	Additional Information
ABAP4TWL - Removal of Transceiver Integration (SI18: AS_ABAP_TRANSCIEVER_INTEGRATION)	Custom Code Adaption	Before or during conversion project	Mandatory	Remove usages of the deleted objects from your custom code.
ABAPTWL - Change of authorization checks SAP Business Workflow (SI21: AS_ABAP_WORKFLOW_AUTHORIZATION_CHANGES)	Technical System Configuration	During conversion project	Mandatory	Adapt your roles and authorizations as described in SAP note 2979517.
ABAPTWL - Change of workflow system user and workflow system jobs (SI20: AS_ABAP_WORKFLOW_USER_JOBS)	Technical System Configuration	During conversion project	Mandatory	Adapt your workflow jobs as described in SAP note 2568271.
ABAPTWL - Cleanup of orphaned objects (SI02: AS_ABAP_CLEANUP)	Custom Code Adaption	Before or during conversion project	Mandatory	Remove usage of obsolete SAP objects from custom code.

Related Simplification Item	Activities	Phase	Condition	Additional Information
ABAPTWL - Dual Stack not supported (SI06: AS_ABAP_DUAL_STACK)	Landscape Redesign	Before conversion project	Mandatory	Split your dual stack system into separate ABAP and Java instances.
ABAPTWL - SSCR license key procedure is no longer supported (SI03: AS_ABAP_SSCR)	Process Design / Blueprint	Before or during conversion project	Optional	Setup control of development activities as recommended in SAP note 2309060 .
ABAPTWL - SSCR license key procedure is no longer supported (SI03: AS_ABAP_SSCR)	User Training	Before or during conversion project	Optional	Educate developers about process changes on controlling development activities.
ABAPTWL - VM Container not supported (SI04: AS_ABAP_VMC ONTAINER)	Custom Code Adaption	Before or during conversion project	Mandatory	Remove any VMC usage in your custom applications.
S4TWL - ACTIVITY-BASED COSTING (SI3_FIN_CO)	Business Operations	During conversion project	Mandatory	
S4TWL - ACTIVITY-BASED COSTING (SI3_FIN_CO)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - ACTIVITY-BASED COSTING (SI3_FIN_CO)	User Training	During conversion project	Mandatory	Inform customer about missing functionalities
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Business Decision	Before conversion project	Mandatory	Decide about future ledger approach for asset accounting.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Business Operations	During conversion project	Mandatory	Execute year-end and month-end closing activities.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Custom Code Adaption	During conversion project	Mandatory	For required custom code adaption refer to simplification item S11: FIN_AA and SAP note 2270387.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Customizing / Configuration	During conversion project	Mandatory	Perform customizing and configuration required for preparing the data migration and for the future asset accounting design in SAP S/4HANA.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Data cleanup / archiving	Before conversion project	Optional	Reduce number of asset accounting documents to avoid unnecessary data error corrections and to minimize conversion downtime.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Data correction	Before or during conversion project	Mandatory	Check and correct inconsistent data which is relevant for the conversion.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Data migration	During conversion project	Mandatory	Perform data migration to new SAP S/4HANA data model.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Interface Adaption	During conversion project	Mandatory	Adapt or replace obsolete or changed legacy data transfer methods.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	Process Design / Blueprint	Before or during conversion project	Mandatory	Create blueprint for required Asset Accounting configuration in SAP S/4HANA.
S4TWL - ASSET ACCOUNTING (SI2: FIN_AA)	User Training	During conversion project	Mandatory	Inform users about changes in Asset Accounting.
S4TWL - AVAILABILITY OF TRANSACTIONS IN MM-IM (SI2: Logistics_MM-IM)	Custom Code Adaption	During conversion project	Mandatory	Replace customer coding using the transaction codes MB01, MB02 MB04, MB05, MB0A, MB11, MB1A, MB1B, MB1C, MB31, MBNL, MBRL, MBSF, MBSL and MBSU (e.g. by suing CALL TRANSACTION MBxy) by make use of function module BAPI_GOODSMVT_CREATE
S4TWL - AVAILABILITY OF TRANSACTIONS IN MM-IM (SI2: Logistics_MM-IM)	User Training	During conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Amount Field Length Extension (SI8_FIN_GL)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Amount Field Length Extension (SI8_FIN_GL)	Software Upgrade / Maintenance	During conversion project	Conditional	Implementation of SAP Notes might be required in case new functionality should be used
S4TWL - Authorization Concept for Supplier Invoice (SI14: PROC_MM_IV_ AUTH)	Customizing / Configuration	During conversion project	Mandatory	Users working with supplier invoices, additionally need the authorizations based on M_RECH_BUK
S4TWL - Authorization Objects in QM (SI9: Logistics_QM)	Data correction	After conversion project	Mandatory	Authorization objects in Quality Management have been changed, follow the steps in SAP Note 2505099 to adjust authorization objects
S4TWL - BI Extractors in SAP S/4HANA (SI18: CT_BW_EXTRACTORS)	Interface Adaption	During conversion project	Mandatory	Adjust or change BI extractors.
S4TWL - BI Extractors in SAP S/4HANA (SI18: CT_BW_EXTRACTORS)	New developments	During conversion project	Optional	Develop solutions for obsolete BW extractors
S4TWL - BI content, Datasources and extractors for DFPS (SI2: Defense&Security)	Interface Adaption	During conversion project	Mandatory	Adjust or change BI extractors.
S4TWL - BI content, Datasources and extractors for DFPS (SI2: Defense&Security)	New developments	During conversion project	Conditional	Depending on your revised reporting strategy and concepts, implement new solutions for data extraction and reporting.
S4TWL - BI content, Datasources and extractors for DFPS (SI2: Defense&Security)	Process Design / Blueprint	During conversion project	Mandatory	BI content, Data Sources and Extractors are unavailable in SAP S/4 HANA, Define alternative reporting concepts as indicated in SAP Note 2273294.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - BI content, Datasources and extractors for DFPS (SI2: Defense&Security)	User Training	During conversion project	Optional	Train users if you implement new reporting capabilities.
S4TWL - BOM, Routing, Production Version (SI16: Logistics - PLM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - BOM, Routing, Production Version (SI16: Logistics - PLM)	Data migration	During conversion project	Mandatory	It is recommended to migrate BOMs, for which there is no corresponding routing using report CS_BOM_PRODVER_MIGRATION. It is recommended to migrate BOMs, for which there exist corresponding routings using report CS_BOM_PRODVER_MIGRATION02.
S4TWL - BOM, Routing, Production Version (SI16: Logistics - PLM)	User Training	Before or during conversion project	Mandatory	Production versions are mandatory in S/4HANA. MRP, planned order creation, and production order creation only find a BOM and routing alternative if a production version is maintained for the BOM and routing alternative.
S4TWL - BW Extractors for Dangerous Goods Management and Specification Managemen (SI8: Logistics_PSS)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - BW Extractors for Dangerous Goods Management and Specification Managemen (SI8: Logistics_PSS)	Process Design / Blueprint	Before or during conversion project	Mandatory	The relevant BW extractors and data sources for Dangerous Goods Management and Specification Management are not available within SAP S/4HANA

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Batch History (SI36: Logistics_PP)	Business Decision	Any time	Optional	Functionality available in SAP S/4HANA on-premise edition but not considered as future technology.
S4TWL - Batch Input for Customer Master/Supplier Master (SI25: MasterData_BP)	Custom Code Adaption	Before or during conversion project	Conditional	Adjust your custom code according to the new process.
S4TWL - Batch Input for Customer Master/Supplier Master (SI25: MasterData_BP)	Process Design / Blueprint	Before conversion project	Mandatory	Batch Input to maintain customer master and supplier master data is not supported since SAP S/4 HANA 1809, please use one of the following alternatives: Business Partner SOAP Services. Refer to SAP Note 2472030 for more information IDocs (CREMAS/DEBMAS) Mass Transactions (XK99/XD99)
S4TWL - Batch Input for Customer Master/Supplier Master (SI25: MasterData_BP)	User Training	Before or during conversion project	Mandatory	
S4TWL - Batch Input for Enterprise Asset Management (EAM) (SI5: Logistics_PM)	Business Decision	Before or during conversion project	Optional	Please check if you use Batch Input for creating / changing Plant Maintenance data. If Yes do not invest further in this kind of technology. Recommendation within EAM is to use the API's wherever possible
S4TWL - Batch Input for Enterprise Asset Management (EAM) (SI5: Logistics_PM)	Custom Code Adaption	During conversion project	Optional	If you use Batch Input for creating / changing Plant Maintenance data, recommendation within EAM is to use the API's wherever possible.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Business Decision	Before conversion project	Mandatory	Additionally to the existing output management based on NAST a new Output Management solution is adopted S/4 HANA-wide. Thereby a unified solution can be used for all Output Management activities. The existing Output Management solution however is still the default.
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Custom Code Adaption	During conversion project	Conditional	Replace custom code for previous NAST-based output management.
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Customizing / Configuration	During conversion project	Conditional	Configure new output management.
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Landscape Redesign	During or after conversion project	Conditional	If new output management is used, setup required technical infrastructure.
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Process Design / Blueprint	During or after conversion project	Optional	Additionally to the existing output management based on NAST a new Output Management solution is adopted S/4 HANA-wide. Thereby a unified solution can be used for all Output Management activities. The existing Output Management solution however is still the default.
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	Technical System Configuration	During or after conversion project	Conditional	Configure technical infrastructure for new output management.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Billing Document Output Management (S114: SD_BILLING_OM)	User Training	After conversion project	Optional	
S4TWL - Business Partner Approach (S12: MasterData_BP)	Business Decision	Before conversion project	Mandatory	Before the conversion project you need to make a decision on whether the Business Partner ID and the Customer/Vendor ID should be the same.
S4TWL - Business Partner Approach (S12: MasterData_BP)	Custom Code Adaption	During conversion project	Mandatory	Adapt your Custom Code as per Note 2265093 "Custom Code Adaption" section
S4TWL - Business Partner Approach (S12: MasterData_BP)	Customizing / Configuration	Before or during conversion project	Mandatory	Check CVI customizing and trigger necessary changes e.g. missing BP Role Category, Define Number Assignments according to the S/4 Conversion guide chapter Introduce Business Partner Approach (Customer Vendor Integration) (Note 2265093) Check and maintain BP customizing e.g. missing tax types.
S4TWL - Business Partner Approach (S12: MasterData_BP)	Data correction	Before or during conversion project	Mandatory	Check master data consistency using CVI_MIGRATION_PRECHK and maintain consistency. Check and clean-up customer/vendor data e.g. missing @-sign in the e-mail address. Run Business Partner Pre-Check PRECHECK_UPGRADATION_REPORT to verify the results according to the Note 2211312.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Data correction	During conversion project	Mandatory	Carry out post-implementation steps as per BP_Conversion Document.pdf attached to SAP Note 2211312 The customer/vendor transformation is bidirectional. You can both process customer/vendor master records from business partner maintenance as well as populate data from customer/vendor processing to the business partner. After the successful S/4 conversion process you have to activate the post processing for direction Business Partner a Customer /Vendor.
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Data correction	Before or during conversion project	Conditional	If the Business Function CA_BP_SO is present in your system -> activate it as per Note 2265093 In case that the Business Function CA_BP_SOA does not yet exist in the system -> you have to create a new Business Function in the customer namespace with the switches VENDOR_SFWS_SC1 and VENDOR_SFWS_SC2. The new customer specific Business Function must be of type Enterprise Business Function (G) - see also Mandatory checks for customer, vendor and contact as per Note 2265093.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Data migration	During conversion project	Conditional	Valid for IS-OIL: In S4HANA all the IS-OIL specific fields (including customer BDRP data fields) have been adapted as per the new Framework of BP. The IS-OIL Fields related to Vendor and Customer now have been moved to BP under the roles FLCU01 (Customer), FLVN01 (Vendor)
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Data migration	Before or during conversion project	Mandatory	Perform Synchronization (Data load) via Synchronization Cockpit (Note 2265093)
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Process Design / Blueprint	Before conversion project	Mandatory	There is a list of transactions that redirect you to the transaction BP, as well as a list of obsolete transactions as per Note 2265093 , adjust your business process accordingly.
S4TWL - Business Partner Approach (SI2: MasterData_BP)	Technical System Configuration	Before or during conversion project	Mandatory	Implement SAP S/4HANA Conversion Pre-Checks according to the SAP S/4HANA Conversion guide chapter Pre-Checks as per Note 2265093 .
S4TWL - Business Partner Approach (SI2: MasterData_BP)	User Training	During conversion project	Optional	User training to use new transactions for Business Partners in S/4HANA
S4TWL - Business Partner BUT000/Header Level Time Dependency (SI20: MASTERDATA_BP)	Custom Code Adaption	Before or during conversion project	Conditional	Adjust your custom code according to the new process.
S4TWL - Business Partner BUT000/Header Level Time Dependency (SI20: MASTERDATA_BP)	Data correction	Before or during conversion project	Conditional	If you have enabled the time dependency, you need to deactivate it. Please follow steps in SAP Note 2379157 under Required and Recommended actions

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Business Partner BUT000/Header Level Time Dependency (SI20: MASTERDATA_BP)	Process Design / Blueprint	Before or during conversion project	Conditional	If you have not enabled the time dependency functionality at the header level (BUT000) in customizing, DO NOT enable it. The functionality is not supported in SAP S/4 HANA
S4TWL - Business Partner BUT000/Header Level Time Dependency (SI20: MASTERDATA_BP)	User Training	Before or during conversion project	Mandatory	
S4TWL - Business User Management (SI21: BUSINESS_USE R)	Customizing / Configuration	During conversion project	Mandatory	Configure update channel for workplace address data If HR integration is active, configure and maintain employee master data
S4TWL - Business User Management (SI21: BUSINESS_USE R)	Data correction	Before or during conversion project	Mandatory	check user data (as part of general business partner introduction)
S4TWL - Business User Management (SI21: BUSINESS_USE R)	Data migration	During conversion project	Mandatory	If HR integration is active, run HCM business partner synchronization as described in HCM simplification SAP Note 2340095 If HR integration is not active, create or upload person data with Fiori app "Maintain employee"
S4TWL - Business User Management (SI21: BUSINESS_USE R)	Fiori Implementation	During conversion project	Conditional	If HR integration is not active, implement Fiori app "Maintain employee"
S4TWL - Business User Management (SI21: BUSINESS_USE R)	User Training	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - CASH MANAGEMENT - Bank Accounts (SI2_FIN_CM)	Custom Code Adaption	During conversion project	Mandatory	Adopt custom code to fit to the new logic described in note 2870766.
S4TWL - CASH MANAGEMENT - Bank Accounts (SI2_FIN_CM)	Customizing / Configuration	During conversion project	Mandatory	Create number ranges, account types, import of bank statements.
S4TWL - CASH MANAGEMENT - Bank Accounts (SI2_FIN_CM)	Data migration	During conversion project	Mandatory	Migrate House Banks into Bank Account Management.
S4TWL - CASH MANAGEMENT - Bank Accounts (SI2_FIN_CM)	Fiori Implementation	During conversion project	Mandatory	Implement Fiori apps required to manage banks and bank accounts.
S4TWL - CASH MANAGEMENT - Bank Accounts (SI2_FIN_CM)	User Training	During conversion project	Mandatory	Inform users about changes to user interface and business logics.
S4TWL - COST ELEMENTS (SI7: FIN_CO)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - COST ELEMENTS (SI7: FIN_CO)	Process Design / Blueprint	During conversion project	Mandatory	
S4TWL - COST ELEMENTS (SI7: FIN_CO)	User Training	During conversion project	Mandatory	
S4TWL - Changed Interfaces (SI15: CT_Integration)	Interface Adaption	During conversion project	Mandatory	Adjust any interfaces that use obsolete RFC.
S4TWL - Changes In List Reports For Order and Notification (SI6: Logistics_PM)	Technical System Configuration	During conversion project	Conditional	Implement the SAP Notes 393393 and 551133 if needed and run the reports 'QM_PHASE_FILL' and 'RIAFVC_IPHAS_FILL' before the upgrade to SAP S/4HANA (if not done already).
S4TWL - Changes In List Reports For Order and Notification (SI6: Logistics_PM)	User Training	During conversion project	Conditional	In case you use the transaction IW37, IW49, please use IW37n or IW49n instead.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Classic MM-PUR GUI Transactions replacement (SI11: PROC_MM_DYN)	Custom Code Adaption	During conversion project	Mandatory	Replace custom code referring to old BAPIs
S4TWL - Classic MM-PUR GUI Transactions replacement (SI11: PROC_MM_DYN)	Customizing / Configuration	During conversion project	Optional	
S4TWL - Classic MM-PUR GUI Transactions replacement (SI11: PROC_MM_DYN)	User Training	During conversion project	Optional	
S4TWL - Classification - Data Cleanup before Migration (SI32: Logistics_PLM)	Data correction	During conversion project	Mandatory	If any inconsistencies are found in table INOB, fix them as described in SAP Note 2949845.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Business Decision	Before conversion project	Mandatory	Decide if you want to use the SAP S/4HANA Self-Service Procurement functionality and if so, if you want to migrate data from the co-deployed SRM server component in SAP ERP to SAP S/4HANA.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Custom Code Adaption	During conversion project	Conditional	De-installation of the SRM AddOn is necessary when converting the SAP ERP system to SAP S/4 HANA

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Data migration	During conversion project	Conditional	Either execute report BBP_SC_S4MIG_SET_SCENARIO before conversion if you do not want to migrate SRM data to SAP S/4HANA Self-Service Procurement or perform migration in context of SUM execution as described in note 2251946.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Fiori Implementation	During conversion project	Mandatory	Consider setting up purchase Fiori apps.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Implementation project required	During conversion project	Conditional	If decided, configure SAP S/4HANA Self-Service Procurement according to configuration guide in SAP note 2214564.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Software Upgrade / Maintenance	Before conversion project	Conditional	If you have an one-client installation of SAP SRM 5.0 together with SAP ERP 6.0 and decided to migrate to SAP S/4HANA Self-Service Procurement, you need to perform an upgrade to minimum EHP4 for SAP ERP with SAP SRM 7.0.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	Technical System Configuration	Before or during conversion project	Mandatory	Install all required notes in the start release system as described in the note 2251946 before execution of conversion pre-checks.
S4TWL - Co-Deployment of SAP SRM (SI1: PROCR_SRM)	User Training	During conversion project	Mandatory	Train users in process changes.
S4TWL - Conversion of Employees to Business Partners (SI2: HR_Empl)	Customizing / Configuration	During conversion project	Mandatory	Perform customizing for HCM business partner synchronization and the required business user management.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Conversion of Employees to Business Partners (SI2: HR_Empl)	Data cleanup / archiving	During conversion project	Mandatory	Check and correct data and customizing for vendors related to employees. Archive unused vendor and employee data. Check and correct employee master data according to used HCM integration scenario and business partner configuration in ERP system.
S4TWL - Conversion of Employees to Business Partners (SI2: HR_Empl)	Data migration	During conversion project	Mandatory	Perform business partner synchronization for employees after technical conversion using SUM.
S4TWL - Conversion of Employees to Business Partners (SI2: HR_Empl)	Miscellaneous	Before or during conversion project	Mandatory	As prerequisite for the synchronization of employees and business partners, the customer-vendor integration with business partner has to be activated in the ERP system as described in simplification item SI2: MasterData_BP (SAP note 2265093).
S4TWL - Conversion of Employees to Business Partners (SI2: HR_Empl)	Process Design / Blueprint	During conversion project	Conditional	If business downtime is important, do a careful cut over planning for the employee/business partner synchronization and plan for some optional iteration cycles to optimize the synchronization runtime.
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Business Operations	During conversion project	Conditional	If Material ledger is already active => complete step "Post closing" for all ML costing runs created before conversion/upgrade
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Customizing / Configuration	During conversion project	Conditional	If actual costing is active => customize account determination as of SAP S/4HANA 1610

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Data cleanup / archiving	Before conversion project	Optional	Archiving historic data
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Data correction	During conversion project	Mandatory	
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Data migration	During conversion project	Mandatory	
S4TWL - Conversion to S/4HANA Material Ledger and Actual Costing (SI6: FIN_MISC_ML)	Software Upgrade / Maintenance	During conversion project	Mandatory	Implementation of SAP Notes mentioned in SAP Note "2345739" for your corresponding Support Package.
S4TWL - Currencies in Universal Journal (SI6_FIN_GL)	Business Decision	Before conversion project	Optional	
S4TWL - Currencies in Universal Journal (SI6_FIN_GL)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - Currencies in Universal Journal (SI6_FIN_GL)	Process Design / Blueprint	During conversion project	Optional	
S4TWL - Currencies in Universal Journal (SI6_FIN_GL)	User Training	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Custom Fields (SI13: CT_Custom-Fields)	Custom Code Adaption	During or after conversion project	Optional	Enable existing CDS extensions to SAP S/4HANA tables for SAP Fiori applications (raised by ATC checks)
S4TWL - Custom Fields (SI13: CT_Custom-Fields)	Customizing / Configuration	During or after conversion project	Optional	Prepare and enable Custom Database Fields Usage in SAP Fiori Applications
S4TWL - DATA MODEL CHANGES IN FIN (SI1_FIN_General)	Custom Code Adaption	During conversion project	Mandatory	Adapt access to the new simplified Finance data model in your customer-specific programs
S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) (SI1: Logistics_MM-IM)	Business Decision	Before conversion project	Optional	Decide which locking methods to be used for goods movements
S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) (SI1: Logistics_MM-IM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) (SI1: Logistics_MM-IM)	Customizing / Configuration	During or after conversion project	Mandatory	
S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) (SI1: Logistics_MM-IM)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - DATA MODEL IN INVENTORY MANAGEMENT (MM-IM) (SI1: Logistics_MM-IM)	Technical System Configuration	During conversion project	Optional	
S4TWL - DATA STRUCTURE CHANGES IN ASSET ACCOUNTING (SI1: FIN_AA)	Custom Code Adaption	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - DMEE (SI10_FIN_General)	Customizing / Configuration	Any time	Optional	Perform migration to successor transaction DMEEEX as described in SAP note 3370503.
S4TWL - DMEE (SI10_FIN_General)	User Training	Any time	Optional	Inform user about status change and alternative transaction.
S4TWL - Data Model Changes in SD Pricing (SI2: SD_PRIC)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Data Model Changes in SD Pricing (SI2: SD_PRIC)	Data migration	After conversion project	Mandatory	
S4TWL - Data Model Changes in SD Pricing (SI2: SD_PRIC)	Technical System Configuration	During conversion project	Conditional	If pricing table KONV has been enhanced with customer-specific fields, you must ensure that the appended fields are also added to the new structure PRCS_ELEMENTS_DATA.
S4TWL - Data Model in Oil & Gas Inventory management (SI1: Oil_Data-Model-Inventory)	Business Operations	After conversion project	Optional	Introduce new check report ROIBSCAN_MISSING_O102 for inconsistency between MATDOC and MATDOCOIL
S4TWL - Data Model in Oil & Gas Inventory management (SI1: Oil_Data-Model-Inventory)	Custom Code Adaption	During conversion project	Mandatory	Adjust MSEGO1 and MSEGO2 appends during the SPDD phase in Software Update Manager (SUM). Adopt custom code to changed data model.
S4TWL - Data Model in Oil & Gas Inventory management (SI1: Oil_Data-Model-Inventory)	Data correction	Before or during conversion project	Mandatory	Check and correct inconsistencies between core and oil MM aggregate tables.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Data Model in Oil & Gas Inventory management (S11: Oil_Data-Model-Inventory)	Software Upgrade / Maintenance	During conversion project	Mandatory	3012422 -This note is required in Software Update Manager(SUM) during the migration phase PARRUN_MKPF2_S4. Aggregation in method AGGREGATE_PERIOD_VALUES on quantity field to avoid overflow error. This happens due to the field length of the target field is lesser than that of the source field.
S4TWL - Determination of default values in Intrastat reporting (S13: FIN_SLL_ISR_D V)	Customizing / Configuration	After conversion project	Mandatory	
S4TWL - Determination of default values in Intrastat reporting (S13: FIN_SLL_ISR_D V)	Data correction	After conversion project	Mandatory	
S4TWL - Download Data in MS Access out of List (S12: Logistics_PM)	Custom Code Adaption	During or after conversion project	Optional	MS Access is not considered as future technology. Functional equivalent is available (Excel / Open Office).
S4TWL - Download Data in MS Access out of List (S12: Logistics_PM)	User Training	During conversion project	Optional	
S4TWL - Dynamic Scheduling deprecation (S17: Oil_Dynamic-Scheduling)	Business Decision	Before conversion project	Mandatory	decide on use of successor functionalities such Inventory Planning Workbench (IPW) and Nomination Planning Workbench (NPW)
S4TWL - Dynamic Scheduling deprecation (S17: Oil_Dynamic-Scheduling)	Custom Code Adaption	During conversion project	Mandatory	Remove or replace any references to deprecated ABAP objects in your custom code

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Dynamic Scheduling deprecation (SI7: Oil_Dynamic-Scheduling)	Implementation project required	During conversion project	Conditional	Implement successor functionalities such Inventory Planning Workbench (IPW) and Nomination Planning Workbench (NPW), if required
S4TWL - ESS and MSS (SI5: HR_JAVA_ESS_MSS)	Customizing / Configuration	During conversion project	Conditional	If customer uses SAP ERP HCM and Java-based ESS and MSS in one system, then configure WebDynpro ABAP-based ESS and MSS services or SAP Fiori based ESS and MSS apps (mandatory in conditional and prepare phase)
S4TWL - ESS and MSS (SI5: HR_JAVA_ESS_MSS)	Software Upgrade / Maintenance	Before or during conversion project	Conditional	If customer uses SAP HCM and Java-based ESS and MSS in one system then remove Netweaver JAVA stack
S4TWL - ESS and MSS (SI5: HR_JAVA_ESS_MSS)	User Training	During conversion project	Conditional	
S4TWL - Easy Document Management (Easy DMS) (SI9: Logistics - PLM)	Business Decision	Before conversion project	Mandatory	Decide your strategy for a replacement of EasyDMS.
S4TWL - Easy Document Management (Easy DMS) (SI9: Logistics - PLM)	Implementation project required	Before or during conversion project	Conditional	If decided, implement successor solution.
S4TWL - Easy Document Management (Easy DMS) (SI9: Logistics - PLM)	User Training	Before or during conversion project	Mandatory	Inform and train users about changed processes.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Engineering Client Viewer (ECL) (SI8: Logistics - PLM)	Business Decision	Before or during conversion project	Mandatory	2D and 3D viewing in SAP GUI transactions with ECL viewer will not be available any longer. You may consider the SAP 3D Visual Enterprise Viewer as an alternative in some transactions, for example, document management. For some of the other file formats, you may consider using the frontend application, where appropriate.
S4TWL - Engineering Client Viewer (ECL) (SI8: Logistics - PLM)	Customizing / Configuration	During conversion project	Conditional	If you decide to use SAP 3D Visual Enterprise Viewer, check that the appropriate customizing is in place.
S4TWL - Enterprise Search in EAM (SI8: Logistics)	Customizing / Configuration	During conversion project	Mandatory	You have to activate the Enterprise search models and do the described configuration steps.
S4TWL - Enterprise Search in SAP Product Lifecycle Management (SAP PLM) (SI1: Logistics_PLM)	Custom Code Adaption	During conversion project	Mandatory	Custom code needs to be adjusted to reference to the new model names
S4TWL - Enterprise Search in SAP Product Lifecycle Management (SAP PLM) (SI1: Logistics_PLM)	Customizing / Configuration	During conversion project	Mandatory	With SAP S/4HANA the Enterprise Search models are now replication free search models (using HANA DB tables instead) within SAP Product Lifecycle Management (SAP PLM). The Enterprise Search models' names have changed and due to this, the related customizing (Define Settings for PLM Search under PLM Search) needs to be adjusted. SAP Note 2212593

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Extended IS-OIL Customizing (SI23: EXT_OIL_CUSTOMIZING)	Miscellaneous	During or after conversion project	Optional	Use the improved SAP for Oil and Gas customizing template (BC sets) as reference for functional implementation projects.
S4TWL - FIORI APPLICATIONS FOR SUITE ON HANA ON-PREMISE (SI10: CT_FIORI)	Custom Code Adaption	During conversion project	Conditional	if Fiori has been enhanced SAP ERP 6.0, analyze and perform required enhancements in SAP S/4HANA
S4TWL - FIORI APPLICATIONS FOR SUITE ON HANA ON-PREMISE (SI10: CT_FIORI)	Fiori Implementation	During conversion project	Conditional	if Fiori is used in SAP ERP 6.0, configure successor apps
S4TWL - FIORI APPLICATIONS FOR SUITE ON HANA ON-PREMISE (SI10: CT_FIORI)	User Training	During conversion project	Conditional	train users on new Fiori apps
S4TWL - Financial Based netting deprecation (SI8: Oil_Financial-Based-netting-deprecation)	Business Decision	Before conversion project	Mandatory	decide on use of successor functionality Movement Based Netting in Exchanges module
S4TWL - Financial Based netting deprecation (SI8: Oil_Financial-Based-netting-deprecation)	Custom Code Adaption	During conversion project	Mandatory	Remove or replace any references to deprecated ABAP objects in your custom code
S4TWL - Financial Based netting deprecation (SI8: Oil_Financial-Based-netting-deprecation)	Implementation project required	During conversion project	Conditional	Implement successor functionality Movement Based Netting, if required

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Foreign Trade (SI3: SD_FT)	Business Decision	Before conversion project	Mandatory	In SAP S/4HANA, the Foreign Trade (SD-FT) functionality is not available anymore. Instead, SAP S/4HANA for international trade within SAP S/4HANA is the successor
S4TWL - Foreign Trade (SI3: SD_FT)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Foreign Trade (SI3: SD_FT)	Customizing / Configuration	During conversion project	Conditional	If GTS shall be used depending on scope and business decision, configure new GTS processes
S4TWL - Foreign Trade (SI3: SD_FT)	Data migration	During conversion project	Conditional	If GTS shall be used depending on scope and business decision, migrate data to GTS
S4TWL - Foreign Trade (SI3: SD_FT)	Interface Adaption	During conversion project	Conditional	If GTS shall be used depending on scope and business decision, provide interface between GTS and S/4HANA
S4TWL - Foreign Trade (SI3: SD_FT)	Landscape Redesign	During conversion project	Conditional	If GTS shall be used depending on scope and business decision, provide GTS system
S4TWL - Foreign Trade (SI3: SD_FT)	New developments	During conversion project	Conditional	If GTS shall be used depending on scope and business decision, provide developments for new GTS processes
S4TWL - Foreign Trade (SI3: SD_FT)	Process Design / Blueprint	Before conversion project	Conditional	If GTS shall be used depending on scope and business decision, design new GTS processes
S4TWL - Foreign Trade (SI3: SD_FT)	User Training	During or after conversion project	Conditional	If GTS shall be used depending on scope and business decision, train users
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Business Decision	Before conversion project	Mandatory	In SAP S/4HANA, the Foreign Trade (SD-FT) functionality is not available anymore. Instead, SAP S/4HANA for international trade within SAP S/4HANA is the successor.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Customizing / Configuration	Before conversion project	Mandatory	
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Customizing / Configuration	During conversion project	Mandatory	To migrate financial documents in Foreign Trade to Trade Finance, you carry out the migration steps available as Customizing activities (transaction SPRO, SAP Reference IMG) under: Conversion of Accounting to SAP S/4HANA-->Preparations and Migration of Customizing-->Preparations for Migration of Financial Documents to Trade Finance Conversion of Accounting to SAP S/4HANA-->Data Migration-->Migration of Financial Documents to Trade Finance Complete Migration of Financial Documents to Trade Finance conversion of Accounting to SAP S/4HANA-->Activities after Migration-->Manual Activities for Trade Finance"
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Data cleanup / archiving	During conversion project	Mandatory	You should Run as post conversion activity, report ZUPDATE_MARC_FOREIGN_TRADE(note 2458666) - to delete the content of the obsolete files. This avoids accidental side effects.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Implementation project required	Before conversion project	Mandatory	GTS functionality is considered as a pre-project, plan time and resources for the new implementation.
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Interface Adaption	Before conversion project	Mandatory	
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	Process Design / Blueprint	Before conversion project	Conditional	In case relevant SAP GTS needs to be installed, analysis of all foreign trade processes that are currently in use is required, before conversion.
S4TWL - Foreign Trade fields in Material Master (SI6:MasterData_PM)	User Training	During conversion project	Mandatory	
S4TWL - Foreign Trade within SAP S/4HANA Procurement (SI15: PROC_FT)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Foreign Trade within SAP S/4HANA Procurement (SI15: PROC_FT)	Interface Adaption	During conversion project	Conditional	It is possible that 3rd party foreign trade system will need adjustments by the respective 3rd party Solution/Service Provider.
S4TWL - Foreign Trade within SAP S/4HANA Procurement (SI15: PROC_FT)	Landscape Redesign	Before conversion project	Conditional	Foreign trade functionality in S/4HANA is replaced. SAP GTS can be connected to S/4HANA to run the respective foreign trade processes
S4TWL - Foreign Trade within SAP S/4HANA Procurement (SI15: PROC_FT)	User Training	During or after conversion project	Mandatory	
S4TWL - GENERAL LEDGER (SI1_FIN_GL)	Business Decision	Before conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Data cleanup / archiving	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Data correction	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Data migration	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Fiori Implementation	During conversion project	Optional	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Implementation project required	Before conversion project	Optional	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Process Design / Blueprint	Before conversion project	Optional	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	Process Design / Blueprint	During conversion project	Mandatory	
S4TWL - GENERAL LEDGER (S11_FIN_GL)	User Training	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Generic Check for SAP S/4HANA Conversion and Upgrade (SI22: GENERIC_CHECKS)	Custom Code Adaption	Before or during conversion project	Mandatory	This simplification Item serves as an anchor for assigning custom code check related content, which is not related to any specific functional or technical area (e.g. deletion of unused orphaned objects).
S4TWL - Generic Check for SAP S/4HANA Conversion and Upgrade (SI22: GENERIC_CHECKS)	Miscellaneous	Before or during conversion project	Mandatory	This simplification item provides various generic, technical checks which need to run before a conversion or upgrade in SAP S/4HANA and which affect all customers - irrespective of the specific SAP S/4HANA target release.
S4TWL - Globalization – Financials (SI1_GSFIN)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Globalization – Financials (SI1_GSFIN)	Interface Adaption	During conversion project	Mandatory	
S4TWL - Globalization – Financials (SI1_GSFIN)	User Training	During conversion project	Mandatory	
S4TWL - Goods movements without exclusive locking by material valuation (SI7: Logistics_MM-IM)	Business Decision	Before conversion project	Mandatory	
S4TWL - Goods movements without exclusive locking by material valuation (SI7: Logistics_MM-IM)	Customizing / Configuration	During conversion project	Conditional	Set up locking method
S4TWL - Graphical display of available quantity in MRP evaluations (SI39: Logistics_PP)	Fiori Implementation	Before or after conversion project	Optional	Encourage users to switch to the Monitor or Check Material Coverage apps to use the graphical evaluations.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Graphical display of available quantity in MRP evaluations (SI39: Logisticis_PP)	User Training	Before conversion project	Optional	Graphical evaluation of the Stock/Requirements list is still available within the apps Monitor or Check Material Coverage. Encourage users to switch to these new apps for graphical evaluations.
S4TWL - Handling Oil & Gas obsolete t-codes Oil (SI10: Oil_Obsolete-Transaction-Codes)	Custom Code Adaption	During conversion project	Mandatory	Remove or replace any references to deprecated ABAP objects in your custom code
S4TWL - Handling Oil & Gas obsolete t-codes Oil (SI10: Oil_Obsolete-Transaction-Codes)	User Training	During conversion project	Mandatory	
S4TWL - IS-OIL - Commodity Management Integration (SI24: OIL_CMM_INTEGRATION)	Customizing / Configuration	During or after conversion project	Optional	Use the new package created to capture changes related to the integration of commodity pricing engine.
S4TWL - IS-OIL - Commodity Management Integration (SI24: OIL_CMM_INTEGRATION)	Miscellaneous	During or after conversion project	Optional	Use the new SAP for Oil and Gas customizing templates (BC sets) in the commodity pricing engine as a reference for functional implementation projects.
S4TWL - IS-OIL - Commodity Management Integration (SI24: OIL_CMM_INTEGRATION)	User Training	During conversion project	Mandatory	Provide user training on the UI changes in certain SD and MM transactions.
S4TWL - IS-OIL Data Archiving For Exchanges (SI25: OIL_ARCHIVE_EXCHANGES)	Data cleanup / archiving	After conversion project	Optional	Delivery of data archiving object OIA_EXG

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - IS-OIL Proper sign operation for ACDOCA (SI3: IS-OIL Proper sign operation for ACDOCA)	Custom Code Adaption	During conversion project	Mandatory	Check and adjust custom coding for proper sign operation when posting to accounting
S4TWL - ITS services in QM (SI_2_Logistics_QM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - ITS services in QM (SI_2_Logistics_QM)	Customizing / Configuration	During conversion project	Conditional	In case WebDynpro applications will be used as replacement, then PFCG role for NWBC Quality Inspector (SAP_SR_QUALITY_IN SPECT_5) need to be configured, and respective authorizations
S4TWL - ITS services in QM (SI_2_Logistics_QM)	Technical System Configuration	During conversion project	Mandatory	ITS services in QM - Internet Application Components (IAC) in QM are not available within SAP S/4HANA, As alternatives, you could use the corresponding QM transactions in SAP GUI for HTML or you could use the WebDynpro applications mentioned below, which are part of the PFCG role for NWBC Quality Inspector (SAP_SR_QUALITY_IN SPECT_5).
S4TWL - ITS services in QM (SI_2_Logistics_QM)	User Training	During conversion project	Mandatory	
S4TWL - Improved update logic for excise duty related movements in MBEW (SI21: EXCISE_DUTY_MBEW_UPDATE)	Business Decision	During conversion project	Mandatory	Decide if default material lock setting meets requirements

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Improved update logic for excise duty related movements in MBEW (SI21: EXCISE_DUTY_MBEW_UPDATE)	Customizing / Configuration	During conversion project	Conditional	If default material lock settings does not business requirements change customizing
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	Customizing / Configuration	During conversion project	Conditional	Industrial Hygiene and Safety (EHS-IHS) is replaced by the new incident management solution and health and safety management solution of Environment, Health, and Safety as part of SAP S/4HANA.
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	Data migration	During conversion project	Mandatory	
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	Interface Adaption	During conversion project	Conditional	Adapt the interface to the new solution.
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	New developments	During conversion project	Optional	
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	Process Design / Blueprint	Before conversion project	Mandatory	Industrial Hygiene and Safety (EHS-IHS) is replaced by the new incident management solution and health and safety management solution of Environment, Health, and Safety as part of SAP S/4HANA
S4TWL - Industrial Hygiene and EC interfaces (SI1: Logistics_E HS - IH and EC)	User Training	During conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - JOB SCHEDULING (SI8:CROSS_BC_CCM-BTC)	Business Operations	During conversion project	Mandatory	Execute report BTCTRS2 of SNOTE 2499529
S4TWL - JOB SCHEDULING (SI8:CROSS_BC_CCM-BTC)	Software Upgrade / Maintenance	During conversion project	Optional	Implement SAP Notes to prevent automatic execution of new job scheduling.
S4TWL - JOB SCHEDULING (SI8:CROSS_BC_CCM-BTC)	Software Upgrade / Maintenance	During conversion project	Optional	Implement SAP Notes to prevent automatic execution of new job scheduling.
S4TWL - JOB SCHEDULING (SI8:CROSS_BC_CCM-BTC)	Technical System Configuration	During conversion project	Optional	Decide if new job scheduling shall be used and adjust parameterization
S4TWL - LEGACY SYSTEM MIGRATION WORKBENCH (SI9: CT_LSMW)	Business Decision	Before conversion project	Optional	The use of LSMW is restricted for migrations to SAP S/4HANA. The use of LSMW for data load to SAP S/4HANA is not recommended and at the customer's own risk. SAP recommends using SAP S/4HANA Migration Cockpit and Migration Object Modeler instead of LSMW.
S4TWL - LEGACY SYSTEM MIGRATION WORKBENCH (SI9: CT_LSMW)	Interface Adaption	During conversion project	Conditional	If you still plan to use LSMW, provide customer specific adjustments or workarounds for restrictions on certain Batch Input or Direct Input programs.
S4TWL - MDM Catalog (SI7: PROC_MDM)	Custom Code Adaption	During or after conversion project	Optional	
S4TWL - MDM Catalog (SI7: PROC_MDM)	Customizing / Configuration	Before or after conversion project	Mandatory	SAP S/4HANA Self-Service Procurement must be used instead of the SAP SRM MDM catalog.
S4TWL - MDM Catalog (SI7: PROC_MDM)	Data migration	During or after conversion project	Conditional	Set up a business user for SAP S/4HANA Self-Service Procurement.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - MDM Catalog (SI7: PROC_MDM)	Interface Adaption	Before or after conversion project	Conditional	Content needs to be imported into S/4HANA via OCI5
S4TWL - MDM Catalog (SI7: PROC_MDM)	Process Design / Blueprint	Before conversion project	Mandatory	The SAP SRM catalog MDM is not available in SAP S/4HANA. It's replaced by the catalog search function as part of SAP S/4HANA Self-Service Procurement.
S4TWL - MDM Catalog (SI7: PROC_MDM)	User Training	After conversion project	Optional	
S4TWL - MRP fields in Material Master (SI7:MasterData_PM)	Business Operations	After conversion project	Conditional	If the scheduling margin key is not specified, then you should run the conversion of planned orders into production orders every day. If Scheduling Margin Key is defined in t-code OMSR, it is mandatory to maintain it, see section Scheduling Margin Key .
S4TWL - MRP fields in Material Master (SI7:MasterData_PM)	User Training	Before or during conversion project	Mandatory	Train changes on material and article master transactions
S4TWL - Material Ledger Obligatory for Material Valuation (SI3: Logistics_MM-IM)	Business Operations	During conversion project	Mandatory	
S4TWL - Material Ledger Obligatory for Material Valuation (SI3: Logistics_MM-IM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Material Ledger Obligatory for Material Valuation (SI3: Logistics_MM-IM)	Data correction	During conversion project	Mandatory	
S4TWL - Material Ledger Obligatory for Material Valuation (SI3: Logistics_MM-IM)	Data migration	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Material Ledger Obligatory for Material Valuation (S13: Logistics_MM-IM)	User Training	During or after conversion project	Optional	
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	Custom Code Adaption	During conversion project	Mandatory	Custom Code related information See SAP Note: 2215424, 2215852
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	Data migration	During conversion project	Conditional	The Long Material Number within the DIMP Add-On (Discrete Industries & Mill Products) Although the industry solution DIMP is part of SAP S/4HANA, the already existing DIMP LAMA-functionality for a long material number (LAMA) will not be part of SAP S/4HANA. In S/4HANA the material number is natively extended to 40 characters. Special conversion steps are needed to migrate the existing DIMP LAMA solution to the new S/4HANA extended material number. For further information on the conversion of the DIMP LAMA-functionality and the DIMP Manufacturer Parts Number to S/4HANA please check notes 2270396 and 2270836.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	Data migration	During conversion project	Mandatory	ALE change pointer entries related to master data distribution (see SAP Help: LINK) have to be processed completely before the conversion to SAP S/4HANA. Changes recorded before the conversion will no longer be available compatibly after the conversion to SAP S/4HANA.
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	Miscellaneous	Before conversion project	Optional	Conversion Pre-Checks related to Material Number Field Length Extension It's recommended to execute conversion pre-check (for details see SAP Note: 2216958). For the conversion of selection variants see SAP Note 1696821 for details. Note that code adaptations will be needed even if you decide not to activate the extended material number functionality and stay with 18 characters
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	Process Design / Blueprint	Before or during conversion project	Mandatory	The default setting, both after the conversion to SAP S/4HANA and for new installations, is that the extended material number functionality is NOT activated. To use a material number with 40 characters, you need to activate this functionality as described in SAP note 2267140 .
S4TWL - Material Number Field Length Extension (S14: MasterData_PM)	User Training	During conversion project	Optional	Use of new Material Number Field Length

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Material Type SERV (S18:MasterData_PM)	Business Decision	Any time	Optional	Material type "SERV" for services is introduced for Product Master in SAP S/4HANA for simplification purposes. When you use material type SERV, some fields and departments that are irrelevant in SAP S/4HANA are hidden from the screen. This gives all transactions relevant for material master, a leaner and simplified look.
S4TWL - Material Type SERV (S18:MasterData_PM)	User Training	Any time	Optional	
S4TWL - Material Valuation - Statistical moving average price (S14:Logistics_MM-IM)	Business Decision	Before or during conversion project	Optional	Decide to deactivate statistical moving average price. It is optional in SAP S/4HANA if you convert from SAP ERP, however, it is recommended to achieve a significant increase of transactional data throughput for goods movements. It is important to note that the deactivation is not reversible.
S4TWL - Material Valuation - Statistical moving average price (S14:Logistics_MM-IM)	Custom Code Adaption	During conversion project	Conditional	If you decide to deactivate statistical moving average price, adjust your own coding respectively.
S4TWL - Material Valuation - Statistical moving average price (S14:Logistics_MM-IM)	Customizing / Configuration	During conversion project	Conditional	The report SAPRCKM_NO_EXCLUSIVELY_LOCKING can be used to deactivate the statistical moving average price.
S4TWL - New Customizing for Exchange Rate Difference Handling (S121:PROC_MM_IV_ERD)	Custom Code Adaption	During conversion project	Mandatory	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - New Default Security Settings for SAP S/4HANA (SI27: CT_SECURE_BY_DEFAULT)	Business Operations	During or after conversion project	Conditional	After the conversion or upgrade, check if you need to configure log retention for the different logs (e.g. SAP S/4HANA Security Audit Log, SAP S/4HANA Table Logging, SAP HANA Audit Log) to control the size of the different logs.
S4TWL - New Default Security Settings for SAP S/4HANA (SI27: CT_SECURE_BY_DEFAULT)	Customizing / Configuration	During conversion project	Conditional	In case you accept the new security settings to be applied during conversion, check if you need to extend roles with additional authorizations for calling specific function modules (only from SAP S/4HANA 2020 onwards) and for calling WebDynpro applications (only from SAP S/4HANA 2021 onwards).
S4TWL - New Default Security Settings for SAP S/4HANA (SI27: CT_SECURE_BY_DEFAULT)	Technical System Configuration	During conversion project	Mandatory	Decide if you want to take over the new security settings during conversion or if you want to opt out (not recommended).
S4TWL - New Default Security Settings for SAP S/4HANA (SI27: CT_SECURE_BY_DEFAULT)	User Training	During conversion project	Conditional	In case you accept the new security settings to be applied during conversion, educate your administrators on the changes.
S4TWL - New advanced ATP in SAP S/4HANA – Table VBBS (SI1: Logistics_ATP)	Custom Code Adaption	During conversion project	Mandatory	If you have custom code calling table VBBS, create a db view on table VBBE, and use that view instead of the table VBBS. SAP Note: 2209696

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - New advanced ATP in SAP S/4HANA – Table VBBS (S11: Logistics_ATP)	Data migration	During conversion project	Mandatory	Manual step only for SAP S/4HANA 1511 and SAP S/4HANA 1610, For SAP S/4HANA 1709 and newer, the necessary actions are automated and executed in SUM phase using identifying name ATP_XPRA_SUITE_TO_S4_V2. SAP Note: 2209696
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Business Decision	Before conversion project	Optional	Decide if new output management or NAST-based output shall be used.
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Custom Code Adaption	During conversion project	Conditional	Replace custom code for previous NAST based output management
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Customizing / Configuration	During conversion project	Conditional	Configure new output management.
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Landscape Redesign	After conversion project	Conditional	If new output management is used, setup required technical infrastructure
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Process Design / Blueprint	During or after conversion project	Conditional	Additionally to the existing output management based on NAST a new Output Management solution is adopted S/4 HANA-wide. Thereby a unified solution can be used for all Output Management activities. The existing Output Management solution however still can be activated.
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	Technical System Configuration	After conversion project	Conditional	Configure technical infrastructure for new output management
S4TWL - OUTPUT MANAGEMENT (S14: CT_OM)	User Training	After conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Object List Number Field Length Extension (SI10: Logistics_PM)	Custom Code Adaption	During conversion project	Mandatory	If Objectlists are used in custom code it has to be ensured that new field length can be processed
S4TWL - Oil & Gas inconsistency reports deprecation (SI9: Oil_Inconsistency-reports-deprecation)	Business Operations	During or after conversion project	Mandatory	Switch to new consistency check report ROIBSCAN_MISSING_O1O2 in daily operations
S4TWL - Oil & Gas inconsistency reports deprecation (SI9: Oil_Inconsistency-reports-deprecation)	Custom Code Adaption	During or after conversion project	Mandatory	Remove any references to deprecated ABAP objects in your custom code
S4TWL - Oil & Gas inconsistency reports deprecation (SI9: Oil_Inconsistency-reports-deprecation)	User Training	During or after conversion project	Mandatory	Train usage of the new consistency check report.
S4TWL - Optimization in Oil & Gas - TD module for STO and sales order with POD b (SI17: Oil_TD-Module-STO_SO-with-POD)	Business Operations	During or after conversion project	Mandatory	Split material documents for movement types 311 and 647& 101, respectively.
S4TWL - Optimization in Oil&Gas - Inter company sales - Cross border excise duty (SI2: Oil_Cross_Border_Excise_Duty)	New developments	During conversion project	Mandatory	implement BADI 'BADI_NSDM_READ_S TOCK'

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Business Decision	Before conversion project	Mandatory	Additionally to the existing output management based on NAST a new Output Management solution is adopted S/4 HANA-wide. Thereby a unified solution can be used for all Output Management activities. The existing Output Management solution however still can be activated.
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Custom Code Adaption	During conversion project	Conditional	Replace custom code for previous NAST-based output management.
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Customizing / Configuration	During conversion project	Conditional	Configure new output management.
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Landscape Redesign	After conversion project	Conditional	If new output management is used, setup required technical infrastructure
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Process Design / Blueprint	During or after conversion project	Conditional	Additionally to the existing output management based on NAST a new Output Management solution is adopted S/4 HANA-wide. Thereby a unified solution can be used for all Output Management activities. The existing Output Management solution however still can be activated.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	Technical System Configuration	After conversion project	Conditional	Configure technical infrastructure for new output management
S4TWL - Output Management Adoption in Purchase Order (S19: PROC_MM_OUT PUT)	User Training	After conversion project	Optional	
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (S12_FIN_CO)	Business Decision	Before or during conversion project	Optional	Decide on planning platform - old planning functionalities or SAP BPC for S/4HANA Finance
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (S12_FIN_CO)	Customizing / Configuration	During or after conversion project	Conditional	If SAP BPC for S/4HANA Finance is used configure SAP BPC for S/4HANA Finance
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (S12_FIN_CO)	Customizing / Configuration	During conversion project	Conditional	If going forward ERP planning functions still used, restore previous transactions if necessary
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (S12_FIN_CO)	Interface Adaption	During or after conversion project	Conditional	If SAP BPC for S/4HANA Finance is used set up and adjust interfaces for SAP BPC for S/4HANA Finance
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (S12_FIN_CO)	Landscape Redesign	During or after conversion project	Conditional	If SAP BPC for S/4HANA Finance is used setup required front end components

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (SI2_FIN_CO)	New developments	During or after conversion project	Conditional	If going forward SAP BPC for S/4HANA Finance is used develop enhancements
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (SI2_FIN_CO)	Process Design / Blueprint	During or after conversion project	Conditional	If SAP BPC for S/4HANA Finance is used design SAP BPC for S/4HANA Finance
S4TWL - PROFIT AND LOSS PLANNING AND PROFIT CENTER PLANNING (SI2_FIN_CO)	User Training	During or after conversion project	Conditional	If going forward SAP BPC for S/4HANA Finance is used train users on SAP BPC for S/4HANA Finance
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	Business Decision	During conversion project	Mandatory	
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	Custom Code Adaption	During conversion project	Conditional	Remove modifications
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	Customizing / Configuration	During conversion project	Optional	Set late lock.
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	Interface Adaption	During conversion project	Conditional	Adjust IDOC interface if late lock is used

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	New developments	During conversion project	Conditional	Implement replacement for LIS if late lock is used
S4TWL - Performance optimizations within Material Document Processing - lock beh (SI5: Logistics_MM-IM)	Process Design / Blueprint	During conversion project	Conditional	Define replacement for LIS if late lock is used
S4TWL - Planning File (SI12: Logistics_PP)	Custom Code Adaption	During conversion project	Conditional	If exist, related custom code has to be adjusted. See SAP Note 2227059
S4TWL - Planning File (SI12: Logistics_PP)	Data migration	During conversion project	Mandatory	After the system conversion, you should run report PPH_SETUP_MRPREC ORDS to populate the new planning file table with operative MRP records (PP-MRP) and the report PPH_SETUP_MRPREC ORDS_SIMU for simulative MRP records (PP-MP-LTP). Alternatively, you can also use the conversion reports PPH_CONVERT_MRPRECORDS and PPH_CONVERT_MRPRECORDS_SIMU.
S4TWL - Planning Horizon (SI35: Logistics_PP)	Custom Code Adaption	During conversion project	Conditional	Customers can build their own planning application using the BAPI BAPI_MATERIAL_PLANNING. The BAPI has got the same planning parameter options as the classical planning transactions. In that context the processing key NETPL cannot be used any more.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Planning Horizon (S135: Logistics_PP)	Data cleanup / archiving	During conversion project	Mandatory	If there are still variants for the planning run batch Transactions having the processing key filled with NETPL, these variants have to be deleted.
S4TWL - Pricing Data Model Simplification (S18: PROC_MM_PRICING)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Pricing Data Model Simplification (S18: PROC_MM_PRICING)	Data migration	After conversion project	Mandatory	
S4TWL - Pricing Data Model Simplification (S18: PROC_MM_PRICING)	Technical System Configuration	During conversion project	Mandatory	
S4TWL - Profitability Analysis (S19: FIN_CO)	Business Decision	Before conversion project	Optional	
S4TWL - Profitability Analysis (S19: FIN_CO)	Customizing / Configuration	During conversion project	Mandatory	
S4TWL - Profitability Analysis (S19: FIN_CO)	Implementation project required	Before conversion project	Optional	
S4TWL - Profitability Analysis (S19: FIN_CO)	User Training	During or after conversion project	Optional	
S4TWL - Profitability Segment Number Change of Type (S115: FIN_CO)	Custom Code Adaption	Before conversion project	Conditional	Adapt usages of PAOBJR found by ATC as described in SAP note <note number>-
S4TWL - Project System ITS Services (S117 Logistics_PS)	Process Design / Blueprint	Before or during conversion project	Mandatory	Selected ITS services for document search, confirmations and creation of claims are not available as of SAP S/4HANA

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Project System ITS Services (SI17 Logistics_PS)	User Training	During conversion project	Optional	
S4TWL - QM WEB Workplace (MiniApps) based on ITS Services (SI_3_Logistics_QM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - QM WEB Workplace (MiniApps) based on ITS Services (SI_3_Logistics_QM)	Technical System Configuration	During conversion project	Mandatory	SAP Internet Transaction Server (ITS) and mySAP Workplace are not available within SAP S/4HANA. Therefore the MiniApps that are based on these techniques are not available within SAP S/4HANA. As alternatives, you could use the corresponding QM transactions in SAP GUI for HTML or you could use the WebDynpro applications mentioned below, which are part of the PFCG role for NWBC Quality Inspector (SAP_SR_QUALITY_IN SPECT_5).
S4TWL - QM WEB Workplace (MiniApps) based on ITS Services (SI_3_Logistics_QM)	User Training	During conversion project	Mandatory	
S4TWL - REPLACED TRANSACTION CODES AND PROGRAMS IN FIN (SI2_FIN_Genera l)	Custom Code Adaption	During conversion project	Mandatory	Adjust or replace custom code referring to obsolete transactions

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - REPLACED TRANSACTION CODES AND PROGRAMS IN FIN (SI2_FIN_Genera l)	Customizing / Configuration	During conversion project	Optional	For certain replacements configuratios need to be done
S4TWL - REPLACED TRANSACTION CODES AND PROGRAMS IN FIN (SI2_FIN_Genera l)	User Training	During conversion project	Mandatory	
S4TWL - RFQ Simplified Transaction (SI18: PROC_RFQ Simplified Transaction)	Business Decision	Before conversion project	Mandatory	Reconsider the UI Strategy
S4TWL - RFQ Simplified Transaction (SI18: PROC_RFQ Simplified Transaction)	Custom Code Adaption	After conversion project	Conditional	
S4TWL - RFQ Simplified Transaction (SI18: PROC_RFQ Simplified Transaction)	Fiori Implementation	After conversion project	Conditional	
S4TWL - RFQ Simplified Transaction (SI18: PROC_RFQ Simplified Transaction)	Interface Adaption	After conversion project	Conditional	
S4TWL - RFQ Simplified Transaction (SI18: PROC_RFQ Simplified Transaction)	User Training	Before or after conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Removal of D/C Indicator from Editing Options (S19_FIN_GL)	User Training	During conversion project	Mandatory	Educate your users about this change in UI behaviour.
S4TWL - Removal of Gender Domain Fixed Values (S127: MasterData_BP)	Business Process Redesign	During conversion project	Mandatory	Ensure that your business processes (also in connected systems) are prepared to handle the new gender codes properly.
S4TWL - Removal of Gender Domain Fixed Values (S127: MasterData_BP)	Custom Code Adaption	During conversion project	Mandatory	Usages of fixed values of domains AD_SEX, BU_SEXID and SEXKZ needs to be replaced with values from check tables TSAD15 and TB995. Refer to SAP Note 2928897 for details.
S4TWL - Retail Information System (S133: Logistics_General)	Custom Code Adaption	During conversion project	Optional	Custom Code adjustments will be required in case ABAP objects of packets WRB or WRBA are used in custom code.
S4TWL - Retail Information System (S133: Logistics_General)	Process Design / Blueprint	Before or during conversion project	Mandatory	Blueprint for covering reporting requirements using CDS views or SAP BW for reporting requirements that were being fulfilled by RIS functionality.
S4TWL - Retail Information System (S133: Logistics_General)	User Training	During conversion project	Mandatory	Provide user training for the reports based on CDS views or SAP BW instead of RIS.
S4TWL - SAP Graphics in EAM Transactions (S19: Logistics_PM)	Business Decision	Before or during conversion project	Conditional	The graphical output in Enterprise Asset Management transactions using SAP Business Graphics, e.g. in transaction IP19, is not available in SAP S/4HANA. If you are using this graphic output today, you can consider to use the tabular display options.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - SAP Graphics in EAM Transactions (SI9: Logistics_PM)	User Training	During conversion project	Conditional	Use the tabular display options instead of graphic output.
S4TWL - SD Simplified Data Models (SI1: SD_GENERAL)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Scheduling of Maintenance Plan (SI3: Logistics_PM)	Customizing / Configuration	During conversion project	Mandatory	Review your background Jobs which you most probably have scheduled periodically for transaction IP30 (Reports RISTRA20) and create new background jobs for IP30H (Report RISTRA20H).
S4TWL - Side Panel functionality in SAP S/4HANA (on-premise) (SI14: CT_SIDE_PANE LS)	Fiori Implementation	During or after conversion project	Optional	if obsolete side-panel CHIPS were used, consider Fiori apps as replacement
S4TWL - Side Panel functionality in SAP S/4HANA (on-premise) (SI14: CT_SIDE_PANE LS)	User Training	During or after conversion project	Optional	train users on new Fiori apps
S4TWL - Simplification of copy/reference handling (SI5: MasterData_PM)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Simplification of copy/reference handling (SI5: MasterData_PM)	Data migration	During conversion project	Mandatory	
S4TWL - Simplified Product Master Tables Related to OMSR Transaction (SI3: MasterData_PM)	Customizing / Configuration	During conversion project	Conditional	Configuration necessary, if field selection settings within SAP name space exists

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Simplified Sourcing (SI7: Logistics_PP)	Custom Code Adaption	During conversion project	Conditional	SAP Note: 2226333 If you implemented BADI MD_MODIFY_SOURCE in SAP ERP, you should check if the intended functionality still works. Also check the changes related to the Simplification Item 2.1.11.11MRP in HANA.
S4TWL - Simplified Sourcing (SI7: Logistics_PP)	Data migration	During conversion project	Mandatory	Actions required for manufactured materials: Check if production versions exist for those BOMs and routings that should be considered by MRP. Report CS_BOM_PRODVER_MIGRATION02 can be used to analyze the situation as well as to create proposals for production versions based on BOM validities. Run the report and accept or reject the proposed production versions. SAP Note 2655077 contains report CS_BOM_PRODVER_MIGRATION02.
S4TWL - Simplified Sourcing (SI7: Logistics_PP)	Data migration	During conversion project	Mandatory	Actions required for externally procured materials, analyse your source list entries No action is required if source list entries refer to contracts and delivery schedules. S/4HANA sourcing finds contracts and delivery schedules without source list entries. Activate the automatic sourcing indicator in the corresponding purchasing info record if the source list entry only refers to a supplier and if the supplier shall be selectable by MRP

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Simplified Sourcing (SI7: Logistics_PP)	User Training	During conversion project	Optional	Use new simplified sourcing
S4TWL - Specification Workbench Adjustments (SI14: Logistics_PSS)	User Training	Before or during conversion project	Optional	
S4TWL - Summarization Hierarchies in Controlling (SI11: FIN_CO)	User Training	During conversion project	Mandatory	
S4TWL - Supplier Invoice New Archiving (SI20: PROC_MM_IV_ILM)	Business Decision	Before conversion project	Mandatory	Supplier Invoice Archiving does not fully support ILM Integration (with upgrade to 1809 ILM Integration is fully supported)
S4TWL - Supplier Invoice New Archiving (SI20: PROC_MM_IV_ILM)	Custom Code Adaption	During conversion project	Mandatory	Implement new BADIs as indicated in SAP Note 2578291.
S4TWL - Supplier Invoice New Archiving (SI20: PROC_MM_IV_ILM)	Process Design / Blueprint	Before or during conversion project	Mandatory	Adapt the process due to changes in functionality
S4TWL - TECHNICAL CHANGES IN CONTROLLING (SI1: FIN_CO)	Custom Code Adaption	During or after conversion project	Mandatory	
S4TWL - Unit of Measure (UoM) Group enhancement (SI5: Oil_UOM)	Business Operations	During or after conversion project	Optional	new report "R_OIB_01_UOM_ADD_INSERT_SUM" has been developed, which allows adding the new UoM into UoM group and adjusting the respective stock
S4TWL - Unit of Measure (UoM) Group enhancement (SI5: Oil_UOM)	Customizing / Configuration	During or after conversion project	Optional	Maintain the required roles and authorizations for R_OIB_01_UOM_ADD_INSERT_SUM.

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - UoM Group Extension Improvements (SI22: UOM_GROUP_EXTENSION_IMPROVE)	Business Operations	During or after conversion project	Optional	new report "R_OIB_01_UOM_ADD_INSERT_SUM" has been developed, which allows adding the new UoM into UoM group and adjusting the respective stock
S4TWL - Variant Configuration (SI13: Logistics - PLM)	Custom Code Adaption	During conversion project	Mandatory	Any customer code creating 'Actions' and 'Classification as Selection Condition' must be adapted.
S4TWL - Variant Configuration (SI13: Logistics - PLM)	Data migration	Any time	Optional	New 'Actions' and 'Classification as Selection Condition' can not be created, existing one can still work, but should be corrected using other variant configuration means.
S4TWL - Webdynpro Applications for Purchase Requisition Transfer from ERP to SRM (SI19: PROC_CPPR_SPPR)	User Training	During or after conversion project	Optional	
S4TWL - Webshops by Internet Sales or Web Channel Experience Management (SI11: SD_IS)	Business Decision	Before conversion project	Mandatory	The functionalities SAP Internet Sales, SAP E-Commerce, SAP Web Channel, and SAP Web Channel Experience Management in SD are not supported in SAP S/4HANA and have been replaced by SAP Commerce in SAP S/4HANA 1610.
S4TWL - Webshops by Internet Sales or Web Channel Experience Management (SI11: SD_IS)	Custom Code Adaption	Before or during conversion project	Conditional	Remove the usages of SAP objects in customer objects for which the custom code check refers to note 2225107 as they will not work anymore

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL - Webshops by Internet Sales or Web Channel Experience Management (S111: SD_IS)	Process Design / Blueprint	Before or during conversion project	Mandatory	See SAP Note 2271161 for the list of unavailable transactions and functionalities. Replacement functionality is SAP Commerce in SAP S/4HANA 1610.
S4TWL - Webshops by Internet Sales or Web Channel Experience Management (S111: SD_IS)	User Training	Before or during conversion project	Mandatory	
S4TWL - eNetting Deprecation (S16: Oil_eNetting)	Custom Code Adaption	During conversion project	Mandatory	Remove any references to deprecated ABAP objects in your custom code
S4TWL - eNetting Deprecation (S16: Oil_eNetting)	Interface Adaption	During conversion project	Conditional	if still required, implement new interfaces to external netting application
S4TWL - Miscellaneous minor functionalities in SD Area (S116: SD_Miscellaneous minor deprecations in SD Area)	Custom Code Adaption	During conversion project	Mandatory	
S4TWL - Miscellaneous minor functionalities in SD Area (S116: SD_Miscellaneous minor deprecations in SD Area)	Interface Adaption	During conversion project	Mandatory	
S4TWL - Miscellaneous minor functionalities in SD Area (S116: SD_Miscellaneous minor deprecations in SD Area)	User Training	During conversion project	Optional	

Related Simplification Item	Activities	Phase	Condition	Additional Information
S4TWL – Flexible Benefits not supported in ESS technologies (SI31: Flex_Benefits_not_supported_in_ESS)	Business Decision	Before conversion project	Mandatory	Check usage and plan for a customer specific alternative solution, if required.
S4TWL – HCM Obsolete Packages (SI19: HR_Obsolete_Packages)	Business Decision	Any time	Mandatory	Decide on and plan for the migration to SAP HCM for SAP S/4HANA, considering the functional implications described in the Business Impact Note of this Simplification Item.
S4TWL – Migration from account solution to ledger solution (SI4_FIN_Generali)	Business Decision	Before conversion project	Mandatory	Decide about future parallel accounting strategy.
S4TWL – Parts of Time Management (SI26: HR_Parts_of_Time_Management)	Business Decision	Any time	Mandatory	Decide on and plan for the migration to SAP HCM for SAP S/4HANA, considering the functional implications described in the Business Impact Note of this Simplification Item.

If you would like to have the sort and filter possibility on the activities or see additional attributes, use the activity excel generated together with the word document.

LINK TO THE LIST OF ACTIVITIES OF RELEVANT SIMPLIFICATION ITEMS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Activity](https://me.sap.com/readinesscheck/Analysis('6018999')/Activity)

Check is not executed

4 Compatibility Scope Analysis

SAP's compatibility packages offer customers a limited usage right to run certain classic SAP ERP solutions on SAP S/4HANA, provided that customers have licensed the applicable solutions, as set forth in their license agreements.

All compatibility packages are listed in the Compatibility Scope Matrix, which can be found in the attachment of SAP Note [2269324](#). Each compatibility package on this list is represented by a unique identifier, the *Compatibility Scope ID*. The compatibility packages in this list cover functionality from SAP ERP core,

line-of-business (LoB), or industry solutions. Furthermore, they comprise the complete or partial scope of the related SAP Business Suite product. Please note that this list is static and release-independent; no new items will be added to the list.

The aim of a compatibility package is to allow business continuity with SAP S/4HANA: If a classic SAP Business Suite product is currently part of your business processes and the Compatibility Scope Matrix, you can use the compatible version of it in SAP S/4HANA.

Once the restricted use of the compatibility packages ends, you are no longer allowed to use the compatibility package solution. As a result, you will need to evaluate a migration to the designated alternative functionality as outlined in the Next Steps section. The effort for such a migration varies depending on the scope of the alternative solution.

If you decide to take no action to address the end of the restricted use of the compatibility packages, you may continue to use the standard SAP Business Suite products in a non-SAP S/4HANA environment according to the specific end-user license agreement. The expiration dates of the usage rights for all compatibility packages are listed in SAP Note [2269324](#), including the exceptional cases of Customer Service (CS), Transportation (LE-TRA), and Production Planning for Process Industries (PP-PI).

Overall, the following statistics related to Compatibility Packages were identified in your system:

GENERAL STATISTICS

Status	Number of Objects
Overall number of Simplification Items related to Compatibility Packages	15
Check performed, "non strategic" item is relevant. Check business impact note.	0
Relevance for "non strategic" item cannot be automatically determined. Check business impact note.	15
Number of Compatibility Packages with existing alternatives.	23
Number of Compatibility Packages with alternatives existing on the roadmap.	0
Number of Compatibility Packages with planned alternative.	0
Number of Compatibility Packages with no planned alternative.	0

To address these findings, please review the instructions below:

To identify compatibility packages that might be relevant for you, review the simplification items presented in the table. Each item in the list is related to certain compatibility scope IDs and is part of the SAP S/4HANA compatibility scope, which comes with limited usage rights.

Due to that, you need to migrate from the classic SAP ERP solution to its designated alternative functionality before the compatibility package license expires. In support of the next steps, the table provides the following information:

- The simplification item details from the SAP simplification item catalog can be viewed by selecting the simplification item title in the table.
- The associated business impact notes provided in the table offer further context to the simplification item and describe the recommended actions to take.
- The compatibility scope status offers information about which compatibility packages have an existing alternative.
- The side panel per table entry offers detailed information about the alternative solutions.

As the classic SAP ERP solution can still be used until the expiry date of the compatibility package license, it is a business decision to evaluate when and with which of the coming SAP S/4HANA releases you want to migrate to the alternative functionality. To plan accordingly for the migration efforts, we recommend you take this decision long before the compatibility package license expires. The respective business impact notes provide the following information to address this decision:

- The scope of the old compatibility package functionality

- The (expected) scope of the alternative functionality
- Any gaps or deltas between the old and the alternative functionality
- When the alternative functionality is planned to be available and how to close any remaining gaps to the old functionality, in case there is a staged delivery

Please note that simplification items related to compatibility packages are of the category “non-strategic function” and do not necessarily need to be addressed before or during an upgrade or conversion project. Whereas simplification items of other categories usually require immediate action, those belonging to this category can be addressed as part of a follow-up project, depending on the expiration date of the usage rights and technical dependencies on a specific product version.

If you choose to keep the original functionality for now and meet the licensing prerequisites defined in SAP Note [2269324](#), you can obtain rights to use the SAP S/4HANA compatible version of the product on your SAP S/4HANA installation with no additional license fee.

4.1 Relevant Non-Strategic Simplification Items

The following table lists simplification items related to Compatibility Packages that have been checked and are immediately relevant:

RELEVANT SIMPLIFICATION ITEMS

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description Entry	Status	Alternative	Business Impact Note
S4TWL - General HCM Approach within SAP S/4HANA	101		Alternative Exists	SAP HCM for SAP S/4HANA	2273108
S4TWL - General HCM Approach within SAP S/4HANA	101		Alternative Exists	SAP Payroll Cloud, private edition	2273108
S4TWL - Remote Logistics Management	103		Alternative Exists	SAP S/4HANA Oil & Gas for field equipment and material logistics planning and execution	3046934
S4TWL - General HCM Approach within SAP S/4HANA	132		Alternative Exists	SAP SuccessFactors - Employee Central	2273108

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL - General HCM Approach within SAP S/4HANA	132		Alternative Exists	SAP HCM for SAP S/4HANA	2273108
S4TWL - SAP E-Recruiting	134		Alternative Exists	SAP SuccessFactors - Learning	2383888
S4TWL - SAP E-Recruiting	134		Alternative Exists	SAP HCM for SAP S/4HANA	2383888
S4TWL - General HCM Approach within SAP S/4HANA	137		Alternative Exists	SAP SuccessFactors - Employee Central	2273108
S4TWL - General HCM Approach within SAP S/4HANA	137		Alternative Exists	SAP HCM for SAP S/4HANA	2273108
S4TWL - General HCM Approach within SAP S/4HANA	138		Alternative Exists	SAP SuccessFactors - Employee Central	2273108
S4TWL - General HCM Approach within SAP S/4HANA	138		Alternative Exists	SAP HCM for SAP S/4HANA	2273108
S4TWL - Customer Service	402		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	403		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	404		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL - Customer Service	405		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	406		Alternative Exists With Roadmap	SAP FSM (Field Service Management)	2962632
S4TWL - Customer Service	407		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	408		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	409		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	410		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	411		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	412		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - Customer Service	413		Alternative Exists With Roadmap	SAP S/4HANA Service	2962632
S4TWL - General HCM Approach within SAP S/4HANA	415		Alternative Exists	SAP Successfactors	2273108
S4TWL - General HCM Approach within SAP S/4HANA	415		Alternative Exists	SAP HCM for SAP S/4HANA	2273108

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL – Personnel Development	418		Alternative Exists	SAP Successfactors	3224316
S4TWL – Personnel Development	418		Alternative Exists	SAP HCM for SAP S/4HANA	3224316
S4TWL – Personnel Development	422		Alternative Exists	SAP Successfactors	3224316
S4TWL – Personnel Development	422		Alternative Exists	SAP HCM for SAP S/4HANA	3224316
S4TWL – Personnel Development	423		Alternative Exists	SAP Successfactors	3224316
S4TWL – Personnel Development	423		Alternative Exists	SAP HCM for SAP S/4HANA	3224316
S4TWL – Funds and Position Management	424		Alternative Exists	SAP Successfactors	3224336
S4TWL – Funds and Position Management	424		Alternative Exists	SAP HCM for SAP S/4HANA	3224336
S4TWL - EC-PCA - Classical profit center accounting	427		Alternative Exists	"Profit Center Accounting on Universal Journal" in SAP S/4HANA	2993220

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL - Special Purpose Ledger	430		Alternative Exists	Financial Reporting based on the universal journal (ACDOCA); special ledger use cases to be included in universal journal.	3015013
S4TWL - Report Writer / Report Painter in Finance and Controlling	433		Alternative Exists	Financial Reporting based on the universal journal (ACDOCA) using virtual data model and SAP Fiori.	2997574
S4TWL - LIS in EAM	442		Alternative Exists		2267463

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL - MRP in HANA	443	Material Requirements Planning	Alternative Exists	MRP lists are snapshots of the material supply and demand situation at the time of the last MRP run. The snapshot is often outdated. With HANA, stock/requirements lists can be read with high speed. The MRP Fiori apps determine materials with issues in real-time.	2268085
S4TWL - Forecast Based Planning	450		Alternative Exists	"MRP for Product Independent Requirements", part of SAP S/4HANA	2268095
S4TWL - Project System - Compatibility Scope	459		Alternative Exists	Project System as part of SAP S/4HANA	3265838
S4TWL - Project System - Compatibility Scope	460		Alternative Exists	Project System as part of SAP S/4HANA	3265838
S4TWL - Project System - Compatibility Scope	462		Alternative Exists	Project System as part of SAP S/4HANA	3265838

Simplification item title	Compatibility Scope ID	Alternative - Feature Scope Description on Entry	Status	Alternative	Business Impact Note
S4TWL - Hierarchy Graphics in Project Systems	465		Alternative Exists	Project System as part of SAP S/4HANA	3000979
S4TWL - Project System - Compatibility Scope	468		Alternative Exists	Project System as part of SAP S/4HANA	3265838
S4TWL - Vendor evaluation based on LIS	480	Real Time Reporting and Monitoring	Alternative Exists	Procurement Analytics	2267414

4.2 Non-Strategic Simplification Items with Relevance to be Checked

The following non-strategic simplification items related to Compatibility Packages cannot be checked automatically. Please check the relevance of items from used application areas by the provided Business Impact SAP Notes:

NON-STRATEGIC SIMPLIFICATION ITEMS WITH RELEVANCE TO BE CHECKED

There is no simplification item with relevance to be checked (non-strategic)

LINK TO COMPATIBILITY SCOPE ANALYSIS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/CompatibilityScope/?Status=New.InScope](https://me.sap.com/readinesscheck/Analysis('6018999')/CompatibilityScope/?Status=New.InScope)

5 Required Custom Code Adjustments for a System Conversion to SAP S/4HANA

The custom code analysis was performed in system: PET

5.1 Custom Code

Before your transition, a custom code analysis is recommended to identify the impact on custom functionalities and required adaptations due to the simplified application architecture of SAP S/4HANA.

This section shows a high-level overview of the custom code analysis executed by SAP Readiness Check. This quick scan of your custom code revealed that the displayed topics will be relevant to the custom code adaptation phase of your transition.

The chart groups the topics into the major change categories, based on the categorization of the corresponding simplification items. The list allows you to review relevant topics well in advance. However, it does not include pure SAP HANA database-related checks (for example, missing ORDER BY clause in

particular SQL statements). The adaptation of these findings is well automated with quick fixes in the ABAP test cockpit.

The following customer namespaces are considered by the custom code checks in SAP Readiness Check for SAP S/4HANA:

ANALYZED CUSTOMER NAMESPACES

There is no customer namespace
/OCUST/represents Y* and Z* namespaces

CUSTOM CODE OVERVIEW

Item	Number of Objects
Total SAP Notes	369
Relevant SAP Notes	76
Non-Relevant SAP Notes	291
Total Custom Code Objects	4540
Total Modifications	642

For additional details on the simplification items affecting custom code, check the *CustomCode.xlsx* file. The table included in the file lists relevant custom code topics together with the status, application component and related SAP note. The columns can be used to filter the entries to focus on specific categories. Please review corresponding SAP notes that provide recommendations for custom code refactoring.

In general, the following changes and respective custom code adjustments are required in a system conversion project to SAP S/4HANA:

- Adjusting the custom code to the simplified data model and simplification list in SAP S/4HANA
- Adjustment of modifications using SPDD and SPAU due to the software change
- Mandatory changes related to the migration to the SAP HANA database if the system is not on SAP HANA already
- Making the custom code Unicode-compliant if the system is not on Unicode yet
- Optimizing performance of custom code

The custom code part of SAP Readiness Check for SAP S/4HANA focuses on identifying areas of mandatory changes, which are required due to the simplified application architecture of SAP S/4HANA (first point in the list above). The analysis does not contain a list of adaptations necessary to support the other required changes mentioned in the list above.

Read all referenced SAP Notes and provide your development team with enough time to evaluate the impact on your custom functionality. In addition, read the [Custom Code Migration Guide for SAP S/4HANA](#).

For a detailed analysis of your custom code, please execute ABAP Test Cockpit (ATC). This can be executed either on a locally installed SAP NetWeaver 7.52 system, on your SAP S/4HANA sandbox, or by using the Custom Code Migration app in the SAP Cloud Platform ABAP environment. Reference the Custom Code Migration Guide for SAP S/4HANA above to help determine the best fitting option for executing the ATC for your system. You can then also upload your ATC results to an existing SAP Readiness Check analysis. For more information, see SAP Note [2781766](#).

For more information, see:

- SAP Note that is available for each custom code topic in the *Items* table
- [Custom Code Management during an SAP S/4HANA Conversion](#)
- SAP Note [1912445](#) (ABAP custom code migration for SAP HANA)
- SAP Note [2936504](#) (how to enable in-app extensibility SAP Fiori apps in SAP S/4HANA Cloud, extended edition)
- [Custom Extensions in SAP S/4HANA Implementations guide](#)

SAP Readiness Check does not require any code to be transferred to SAP to create this overview.

The data collected for the current check is client independent.

LINK TO THE COMPLETE LIST OF THE CUSTOM CODE ANALYSIS RESULTS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/CustomCode](https://me.sap.com/readinesscheck/Analysis('6018999')/CustomCode)

5.2 Recommended Additional Checks

For more information see:

Source of Information	Description
Blog on the "Custom code adaption process"	For detailed information on the overall topic, recommended tools and procedures have a look at the blog on the "Custom code adaption process".
SAP Note 1912445	ABAP custom code migration for SAP HANA - recommendations and Code Inspector variants for the SAP HANA migration
Custom Code Migration Guide for SAP S/4HANA	Best practice guide – considerations for custom ABAP code during a migration to SAP HANA
Custom Code Documentation on SAP Help Portal	SAP documentation describing the tools that help you with the migration of custom code – for example, if you want to migrate your current database to SAP HANA or convert your SAP Business Suite system to SAP S/4HANA, on-premise edition.

In addition, it is helpful to get more transparency on used custom code vs. unused custom code before the system conversion to SAP S/4HANA in order to focus the adjustment efforts on the used custom code.

For details on general custom code lifecycle management, refer to following information:

Link	Topic
https://pages.community.sap.com/topics/abap-testing-analysis	ABAP testing and analysis community
https://help.sap.com/docs/SUPPORT_CONTENT/sm/3627184393.html	Expert content for SAP Solution Manager: custom code management
https://blogs.sap.com/2017/04/06/abap-call-monitor-scmon-analyze-usage-of-your-code/	ABAP call monitor (SCMON) – analyze usage of your code

6 Required SAP HANA Hardware Size and Data Volume Reduction Potential

6.1 SAP S/4HANA Sizing Simulation

Below is the simulated SAP S/4HANA target size including future DB growth and other related aspects. The basis for this is the estimated memory requirement for the target system after the system conversion to SAP S/4HANA. The requirements are based on the size of the tables in the source system and the compression rate of the source database.

New functionalities: The usage of planned new functionalities needs to be sized separately with the Quick Sizer and added on top. Examples: SAP Fiori and Embedded Analytics. Visit <https://www.sap.com/about/benchmark/sizing.html> for more information.

Future Database Growth: For a rough estimation, you can use your past data growth (transactionDB20) and apply to it the same compression ratio that the report has estimated for the current database.

General Indicators	Values
Initial SAP S/4HANA Target Size	227 GiB
Future Database Growth	0 GiB
Data Volume Reduction on SAP ERP	0 GiB
New Functionality	0 GiB
Simulation for Initial SAP S/4HANA Memory Requirement	227 GiB

6.2 SAP HANA Sizing

The SAP HANA sizing results are based on running the “Business Suite on HANA and S/4HANA sizing report” (see SAP Note [1872170](#)).

The sizing report calculates the total memory requirements for the system after the system conversion to SAPS/4HANA. The requirements are based on the size of the tables in the source system and the compression rate of the source system.

With the result of the sizing report, you have an initial indication of the system’s starting size. This sizing procedure does not consider yet any additional growth caused by additional roll-outs, deployments or business growth. Respective factors need to be added.

The information of the sizing report also helps you to identify the tables that can be slimmed down by housekeeping and archiving activities.

The SAP Note [1872170](#) contains an FAQ document that helps to interpret the results below.

Note: in case of tables with errors, depending on their size, it may influence the target sizing. Please check the output of the sizing report/SDF/HDB_SIZING on your source SAP ERP in case large tables are listed here.

GENERAL INFORMATION

General Indicators	Values
Type of Analysed Database	Oracle
Used Size on Disk	682GiB
Number of Tables Successfully Analyzed	91,615
Number of Tables with Errors	0
Version of Report /SDF/HDB_SIZING	94
SAP Note for SAP HANA Sizing	1872170

INITIAL TARGET SIZE

Estimated Memory Requirement	Values in GiB
Column Store Data	73
+ Row Store Data	2
+ Workspace	74
+Others	77
= Anticipated Initial Memory Requirement for SAP HANA	227

Estimated Disk Sizing	Values in GiB
Column Store Data	75
+Others	43
+ Hybrid LOBs	59
= Initial Net Data Size on Disk	263

20 LARGEST TABLES

Table Name	Store Type	Data Size in GiB	Estimated Record Count
JEST	CS	7	223,091,032
DBTABLOG	CS	7	33,941,131
GLPCA	CS	5	51,531,542
SWFREVTLOG	CS	4	91,275,548
STXL	CS	3	20,616,547
COEP	CS	3	40,117,953
AFVV	CS	2	34,957,172
ACDOCA	CS	2	50,354,525
AFVC	CS	2	34,957,172
EDIDS	CS	2	22,259,047
AFRU	CS	1	29,092,828
JCDS	CS	1	43,720,139
ONROV	CS	1	34,774,503
JSTO	CS	1	37,507,923
ONR00	CS	1	37,497,664
SWWCNTP0	CS	1	8,140,991
SWWLOGHIST	CS	1	17,749,980
APQD	RS	1	3,738,594
STXH	CS	1	20,622,576
AFVU	CS	1	34,957,174

LINK TO THE COMPLETE LIST OF DATABASE TABLES

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Sizing/Tables](https://me.sap.com/readinesscheck/Analysis('6018999')/Sizing/Tables)

6.3 Data Volume Management

This section shows the size of your archiving potential based on the top 30 database tables. The table shows you for every document type how many gigabytes can be archived in relation to its total size in your source system. Additionally, it shows how much this equals in percent per document type for the residence time of 12 and 24 months.

We recommend archiving as much data as possible before migrating to SAP S/4HANA in order to reduce the amount of memory that will be consumed in the SAP S/4HANA environment.

NOTE: Ensure that you can fulfill all fiscal and tax reporting requirements before you archive the data. Archived data can still be displayed in the SAP S/4HANA environment.

For more information about Data Volume Management, contact your SAP account executive.

If you have an SAP Enterprise Support maintenance contract, visit the [SAP Enterprise Support Value Map](#) for Data Volume Management for guidance on next steps.

DOCUMENT TYPES

Document Type	Data Size in GiB	Older Than 12 Months	Older Than 24 Months
Controlling Documents	33.0	0.0 0.0	0.0 0.0
Orders	92.88	0.0 0.0	0.0 0.0
Work Items	28.6	0.0 0.0	0.0 0.0
Intermediate Documents	75.01	0.0 0.0	0.0 0.0
Table Change Protocols	44.14	0.0 0.0	0.0 0.0
Profit Center Accounting Documents	38.69	0.0 0.0	0.0 0.0
Change Documents	12.77	0.0 0.0	0.0 0.0
Application Logs	11.09	0.0 0.0	0.0 0.0

LINK TO THE LIST OF DOCUMENT TYPES

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Sizing/Dvm](https://me.sap.com/readinesscheck/Analysis('6018999')/Sizing/Dvm)

6.4 Additional Information

The following documents provide additional information and context on sizing an SAP system.

Topic	Link
Sizing Approaches for SAP HANA - Lessons Learned	https://service.sap.com/~sapidb/011000358700000050632013E
Proactive Performance and Capacity Management - Best Practice	https://service.sap.com/~sapidb/011000358700001231382011E
SAP sizing	https://www.sap.com/about/benchmark/sizing.html

7 Required Adjustments for Integration

For the transition to SAP S/4HANA, a selection of follow-up activities in the area of integration is required due to certain simplifications in different application areas. The *Integration* check in SAP Readiness Check provides an overview of identified interfaces and the impact analysis performed by the tool.

This functionality is provided by the following SAP Note:

SAP Note	Description
3061414	Enabling extended interface impact analysis for SAP Readiness Check 2.0

In the *Integration* check, the header displays key features about the identified interfaces, and groups the interface types by the following tabs:

- **IDoc Interfaces:** Active and inactive IDoc interfaces that are configured in the system are displayed. The enumeration is based on the outbound (table EDP13) and inbound (table EDP21) partner profiles, while the usage information is pulled from table EDIDC.
- **Web Service Interfaces:** All consumer and provider ABAP proxies that are both registered and not registered in SOA Manager are displayed. The usage is based on the Web Services runtime data (class CL_SOAP_DB_MONI). The information about mediated web service interfaces is no longer available as the current data collector cannot reliably determine the mediation status for this interface type.
- **RFC and BAPI Interfaces:** The interfaces are collected based on the runtime statistics (transaction ST03N). The same statistics provide the usage information. The list is extended with all Remote-Function-Call-enabled (RFC-enabled) custom function modules, which represent explicitly defined potential RFC interfaces.
- **BW Extractors:** The BW extractors are enumerated based on the ROOSOURCE table.
- **OData Services:** The interfaces are enumerated based on two data sources:
 - OData services that were created via SAP Gateway Service Builder (transaction SEGW): The corresponding OData classes are created automatically in your system once the creation of the SEGW project is finished.
 - OData services that were created manually outside of transaction SEGW by inheriting from classes /IWBE/CL_V4_ABS_DATA_PROVIDER (data provider class) and /IWBE/CL_V4_ABS_MODEL_PROV (model provider class). There is no usage information associated with the OData services.
- **SLT Replication:** A list of tables for which SAP Landscape Transformation Replication Server triggers were created is displayed. The main data source is the function module IUUC_GET_TRIGGERS. Instead of usage data, the number of table rows is displayed for the analyzed client (MANDT).
- **Flat File Interfaces:** A list of active flat file interfaces is provided. Flat file interfaces are not centrally managed and are identified indirectly using the file interface discovery tool (SAP Note [3322944](#)). Using the aggregated authorization trace, the data collector detects the OPEN DATASET ABAP command, which is used by flat file interfaces to access the underlying file system. The data collector evaluates and aggregates the data during a specific time frame and compiles a list of active flat file interfaces.

The data collection period defines the precision of the analysis results. Due to different project requirements and objectives, no general recommendation about the duration of the data collection period can be provided. Instead, the project team needs to evaluate and agree on the duration. If required, the analysis data of flat file interfaces can be uploaded to the current SAP Readiness Check analysis several times.

The data collection process for flat file interfaces runs independently from the rest of the SAP Readiness Check framework. This decoupled approach enables the time-consuming analysis of flat file interfaces to continue without impacting the completion of the other SAP Readiness Check data collectors. The flat file analysis can start before or after performing the rest of the SAP Readiness Check analyses.

The data collector aggregates and filters the analysis results of the flat file interfaces to focus on interfaces relevant to SAP Readiness Check and exclude interfaces classified as SAP technical file interfaces (for example, in the transport system or for interfaces related to ABAP design time traces). The list of used filter criteria is available in SAP Note [3322944](#). Use the file interface discovery tool to explore the complete flat file interface analysis.

The chart and table in the *Integration* check provide an overview of discovered interfaces and the results of the impact analysis performed by SAP Readiness Check. The impact analysis focuses on the most critical impact types that require immediate action during system conversion. It does not cover topics such as using outdated technology, security risks, performance, and so on

The analysis covers the following impact types:

Functionality Unavailable:

One standard ABAP object directly associated with an interface or referenced by an associated custom ABAP object is on the simplification list. The identified objects can be categorized as follows:

- Standard objects are checked against the simplification item database and the data dictionary of the target SAP S/4HANA release. The findings include cases where an object is missing in the

target release, exists but is neither used nor supported, and where a table is partially used in SAP S/4HANA compared to SAP ERP.

- Custom objects are checked against the ABAP test cockpit scan results. The results become available once you upload the ABAP test cockpit results (S4HANA_READINESS) to your SAP Readiness Check analysis.

Serialization Issue:

One of the objects associated with an interface becomes binarily incompatible upon system conversion due to a field length extension. These interfaces should not be used without adjustments on the caller side to avoid possible data inconsistencies.

There are three types of cases:

- An SAP S/4HANA version of a standard function module and its SAP ERP version are binarily incompatible. These function modules are listed in the external blocklist.
- A custom function module becomes binarily incompatible upon system conversion. The ABAP test cockpit identifies such custom function modules.
- A custom or extension IDoc segment becomes binarily incompatible upon system conversion. The ABAP test cockpit identifies such IDoc segments.

Interfaces with this impact category will either dump with a syntax error on first use when calling a missing object or become unstable, as the referenced standard object is neither supported nor maintained in SAP S/4HANA.

Blocked:

One of the standard programs or function modules associated with an interface is on the internal blocklist and cannot be used with SAP S/4HANA. Interfaces with this impact category will dump on first use when accessing a blocked object.

In the *Details* column displayed in the table within the *Integration* check, impacted BW extractors are assigned to one of the following subcategories (if available):

- *Working*: The data source is available with SAP S/4HANA. There are no restrictions.
- *Working with Restrictions*: The data source works in SAP S/4HANA but with noteworthy restrictions. For example, not all fields are available.
- *Obsolete*: The data source is no longer relevant after system conversion. BW extractors in this category are legacy extractors.
- *Not Working*: All data sources in this category are not working in SAP S/4HANA. The following subcategories exist:
 - *Alternative Exists*: The data source is unavailable with SAP S/4HANA, but an alternative exists. For example, by means of a new extractor or a CDS view.
 - *Alternative Planned*: The data source is not available with SAP S/4HANA yet, but an alternative is planned in the road map for future release. The alternative for most of the BW extractors assigned to this subcategory will be an extractor based on a CDS view. To find out about the status, please check SAP Note [2500202](#) or create a case on the corresponding component.
 - *No Alternative Exists*: The data source is not working in SAP S/4HANA, and no alternative is planned.

Overall, the following impact on interfaces was identified in your system:

Total Number	Impacted	Mediated via Middleware
4921	947	0

Furthermore, impacted interfaces in your system can be classified as follows:

Functionality Unavailable	Blocked	Serialization Issue	Impacted but Unused
1	0	0	928

To address these findings, please refer to the *Next Steps* section in the side panel of the *Integration* check within your SAP Readiness Check analysis or review the or review the below-mentioned next steps:

If required, create a separate case on the respective component for each BW extractor assigned to the subcategory *Not Working (Alternative Planned or No Alternative Exists)*, which is displayed in the *Details* column in the table below. This helps you find out if old extractors can be released for you, or if and when a replacement is planned. If the replacement is not available at the time you need it, you may need to create a project-specific development to extract the required data.

Functionality Unavailable:

Check all interfaces with the impact category *Functionality Unavailable*. In the *Details* column in the table within the *Integration* check, you can find corresponding simplification items, business impact notes, or SAP Notes reported by the ABAP test cockpit analysis (if available). You might need to redesign and/or rebuild the interface, or even remove it completely from the system if it becomes obsolete in SAP S/4HANA.

Serialization Issue:

Check all interfaces with the impact category *Serialization Issue*.

- For Remote Function Call (RFC) interfaces, note that the impact is only relevant for external inbound calls. Perform the following steps:
 1. Ensure that the identified RFC interface is inbound and that the call comes from an external system; otherwise consider this to be a false-positive finding.
 2. For standard function modules, follow the procedure described in SAP Note [2408693](#). Depending on the feedback from SAP, an interface might be exempted as an exception.
 3. For custom function modules, adjust the signature of the function module either on the remote side or on the SAP S/4HANA side to restore binary compatibility.
Alternatively, familiarize yourself with the fast RFC serialization, which might offer an easier solution if a high number of function modules needs to be corrected. For more information, see SAP Note [2315100](#).
- For IDoc interfaces, rework data types behind custom fields. For example, change the associated data element MATNR to MATNR18 to restore field length and, if required, add a new field with a long material number using data element MATNR. For more information, see SAP Note [2218350](#).

Blocked:

Check all interfaces with the impact category *Blocked* and find out if identified blocked objects can be substituted. Search for simplification items in the functional area the object belongs to. You might need to redesign and/or rebuild the interface, or even remove it completely from the system if it becomes obsolete in SAP S/4HANA.

Once the custom code scan results that are based on the ABAP test cockpit have been uploaded to the current SAP Readiness Check analysis, review the integration analysis again by focusing on the impact categories *Functionality Unavailable* and *Serialization Issue*. The ABAP test cockpit results might help you identify impacted interfaces, which contain custom code that is dependent on functionality not available in SAP S/4HANA. In addition, the results might support you to detect custom function modules and IDoc extensions, which are impacted by the field length extension.

Once the interfaces identified as impacted are analyzed and adjusted or removed, continue with the testing of the most critical interfaces.

For more information, see:

- [Extended Integration Analysis in SAP Readiness Check](#) blog series
- SAP Note [2500202](#) (central SAP Note for BW extractors in SAP S/4HANA)
- SAP Note [2416705](#) (blocked Remote Function Calls)
- SAP Note [2215424](#) (field length extension of material numbers)
- SAP Note [2218350](#) (field length extension of material numbers in IDoc interfaces and/or application link enabling)

- SAP Note [2781766](#) (enabling the export of the ABAP test cockpit check results for SAP Readiness Check)
- SAP Note [3322944](#) (enabling the data collector of flat file interfaces and information about the file interface discovery tool)
- If you are using SAP Landscape Transformation Replication Server, refer to SAP Note [2755741](#) (potential impact of the replication from SAP Landscape Transformation Replication Server during system conversions) and [Compatibility Views and SAP Landscape Transformation Replication Server](#) (impact of compatibility views on the replication in detail).

7.1 IDoc Interfaces

The IDoc section lists active and inactive IDoc interfaces that are configured in the system. The enumeration is based on the outbound (table EDP13) and inbound (table EDP21) partner profiles, while the usage information is pulled from table EDIDC.

The following impact on used IDoc interfaces was identified in your system:

Total Number	Functionality Unavailable	Blocked	Serialization Issue
43	0	0	0

7.2 Web Service Interfaces

No data was collected for this interface type during the data collection. For more information, see the Web Service Interfaces tab in the Integration check available within your SAP Readiness Check analysis.

7.3 RFC and BAPI Interfaces

RFC and BAPI interfaces are collected based on the runtime statistics (transaction ST03N). The same statistics provide the usage information. The list is extended with all Remote-Function-Call-enabled (RFC-enabled) custom function modules, which represent explicitly defined potential RFC and BAPI interfaces.

The following impact on used RFC and BAPI interfaces was identified in your system:

Total Number	Functionality Unavailable	Blocked	Serialization Issue
1490	0	0	0

7.4 BW Extractors

The BW extractors are enumerated based on the ROOSOURCE table.

The following impact on used BW extractors was identified in your system:

Total Number	Functionality Unavailable	Blocked	Serialization Issue
3331	928	51	0

7.5 OData Service Interfaces

The inventory of OData services in this analysis includes interfaces for OData versions 2 and 4. The interface determination logic detects all OData services based on programming models available from SAP_Basis releases 700 and above:

- SAP Gateway Service Builder
- ABAP programming model
- Service Adaptation Definition Language (SADL)
- ABAP RESTful application programming model

- Core Data Services (CDS) views exposed as OData services
There is no usage information associated with the OData services.

The following impact on used OData service interfaces was identified in your system:

Total Number	Functionality Unavailable	Blocked	Serialization Issue
57	18	0	0

7.6 SLT Replications

No data was collected for this interface type during the data collection. For more information, see the SLT Replications tab in the Integration check available within your SAP Readiness Check analysis.

7.7 Flat File Interfaces

No data was collected for this interface type during the data collection. For more information, see the Flat File Interfaces tab in the Integration check available within your SAP Readiness Check analysis.

LINK TO THE COMPLETE LIST OF ALLINTERFACE TYPES

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Interface](https://me.sap.com/readinesscheck/Analysis('6018999')/Interface)

8 Financial Data Quality

This chapter contains essential information about the quality and consistency of your financial data. The topic is crucial for various daily business operations, SAP S/4HANA conversions, and other conversion projects. Resolving data consistency issues will help you accelerate the conversion process and avoid unexpected showstoppers. We strongly recommend that you peruse this chapter and take action if required.

8.1 General Ledger

General Ledger is a comprehensive view of external accounting. Including and collecting all business transactions for primary postings and settlements from Management Accounting into a system that is integrated into your business ensures that accounting is complete and reconciled at all times.

Analysis date: 04/03/2024

8.1.1 Inconsistencies

The data displayed in this section is based on the results of the execution of the FIN_CORR_RECONCILE transaction in your system. The underlying reconciliation check is the main source of the financial data quality analysis, performing various consistency checks against the General Ledger module in your system. Identified inconsistencies might have negative impact on your daily business and digital transformation projects. As a result, it is crucial to carefully analyze and resolve identified issues prior to the SAP S/4HANA conversion. Please note that, when estimating the resolution effort for the identified inconsistencies, you should refer to the number of different inconsistency types, rather than the total number of inconsistencies. For more information about the identified inconsistency types, see SAP Knowledge Base Article [2714344](https://www.sap.com/help/tip-3714344.html).

Analysis Overview

Total Number of Inconsistencies	Total Number of Inconsistency Types
362	3

ANALYSIS DETAIL

Message Nr	Message Class	Total Number	Description	Category	Category Description
140	FIN_FB_RECON	303	Field KSL of &2 does have a non initial Amount (Ledger &3)	B	Manual correction instructions available – SAP Knowledge Base Article 2714344
577	FIN_FB_RECON	57	Open item flag in SKB1 differs from open item flag in BSEG &2 &3	B	Manual correction instructions available – SAP Knowledge Base Article 2714344
511	GU	2			

8.1.2 Documents

This section contains an overview of identified documents and open items by fiscal year and company code. The number of open items in financial documents per fiscal year and company code may reflect unfinished business transactions. To see a detailed overview, use the *Export to Spreadsheet* function on the top of the table on the *Documents and Open Items* tab. The top 10 financial documents based on the total number of Financial Documents are listed in the table below.

FINANCIAL DOCUMENTS AND OPEN ITEMS

Fiscal Year	Total No. of FI Documents	Consistent Documents	Inconsistent Documents	No. of Open Items
2015	109,462	109,462	0	335
2003	99,469	99,469	0	0
2005	96,033	96,033	0	103
2012	93,464	93,464	0	462
2002	90,743	90,743	0	20
2016	89,233	89,233	0	389
2001	88,896	88,896	0	11
2009	86,107	86,107	0	974
2006	84,184	84,184	0	135
2014	84,030	84,030	0	347

8.1.3 Facts and Figures

This section contains information about factors that usually influence the required effort, duration, and cost for the data cleansing. Resolving these issues can lead to a significant financial data reduction and, as a result, improve your system's performance.

Total Number of Financial Documents

The total number of financial documents reflects the number of entries in table BKPF.

Total No. of Financial Documents
2,048,730

Inactive Company Codes

A company code is considered inactive if there are no postings in the current and previous fiscal year. We generally recommend archiving inactive company codes instead of resolving inconsistencies. The top 10 oldest inactive company codes are listed in the table below.

no inactive company code found

Number of General Ledger Accounts with a Clearing Ratio of 20% or Less

The clearing ratio of General Ledger accounts is calculated for the current and previous fiscal year. A low clearing ratio in older fiscal years usually points towards issues in financial processes. The corresponding data in the *Overview* table on the *Expected Effort* tab is filtered by the lowest clearing ratio (20% or less). The top 10 General Ledger Accounting with the lowest clearing ratio are listed in the table below.

Company Code	G/L Account	Clearing Ratio
C001	0000705460	0.0%
C001	0000705460	0.0%
C001	0000705460	0.0%
C001	0000302214	0.0%
C099	0000655201	0.0%
C099	0000705451	0.0%
C001	0000709050	17.0%
C001	0000709050	33.0%
C099	0000302119	43.0%
C001	0000705451	58.0%

Average Number of Line Items

The average number of line items per financial document is calculated for the current and previous fiscal year. A high number of line items may point toward complex financial processes.

Avg. No. of Line Items
4.66

8.2 Asset Accounting

A subsidiary ledger accounting module in Financial Accounting. All business activities for fixed assets are recorded in.

Analysis date: 04/03/2024

8.2.1 Inconsistencies

The data displayed in this section is based on the results of the execution of the FIN_AA_CORR_RECON transaction in your system. The underlying reconciliation check is one of the main sources of the financial data quality analysis, performing various consistency checks against the Asset Accounting module in your system. Identified inconsistencies might have negative impact on your daily business and digital transformation projects. As a result, it is crucial to carefully analyze and resolve identified issues prior to the SAP S/4HANA conversion. Please note that, when estimating the resolution effort for the identified inconsistencies, you should refer to the number of different inconsistency types, rather than the total number of inconsistencies. For more information about the identified inconsistency types, see SAP Note [3038014](#).

Analysis Overview

Total Number of Inconsistencies	Total Number of Inconsistency Types
144	3

Analysis Details

Message Number	Message Class	Total Number of Inconsistencies	Description	Category	Category Description
795	B	138	&1: Line Items ANEP/ANEA differs from Totals ANLC	B	Manual correction instructions available – SAP Note 3038014

Message Number	Message Class	Total Number of Inconcistencies	Description	Category	Category Description
769	B	4	&1: Mismatch between transaction type in ANEP and provided ANEA fields	B	Manual correction instructions available – SAP Note 3038014
764	B	2	&1: ANLC values without general ledger assignment in the open year	B	Manual correction instructions available – SAP Note 3038014

8.2.2 Assets

This section contains an overview of the identified main assets by company code. To see a detailed overview, use the Export to Spread sheet function on the top of the table on the Assets tab. The top 10 assets based on the total number of assets are listed in the table below.

ASSETS

Company Code	Total Number of Assets	Consistent Assets	Inconsistent Assets
C001	35,663	35,579	84

8.2.3 Facts and Figures

This section contains information about factors that usually influence the required effort, duration, and cost for the data cleansing. Resolving these issues can lead to a significant financial data reduction and, as a result, improve your system's performance.

Total Number of Assets

The total number of assets reflects the number of entries in table ANLA.

Total Number of Assets
35,663

Total Number of Depreciation Areas in use

The total number of depreciation areas in use reflects the number of entries in table ANLB.

Total Number of Depreciation Areas in Use
393,474

Activation of Business Function EA-FIN

In the new Asset Accounting module in SAP S/4HANA, a new depreciation engine is used in the depreciation calculation. Therefore, activate the Financials Extension (EA-FIN) business function before the transition.

Activation of the business function EA-FIN (Yes or No)
YES

Active/Deactivated Company Codes

A company code is considered deactivated if the status in table T093C is set to "3" (column XANUEB = 3). We generally recommend archiving deactivated company codes instead of resolving inconsistencies. The data in the table below is filtered by fiscal year and the top 10 oldest deactivated company codes are listed.

Deactivated Company Codes	Fiscal Year

Active/Inactive Assets

An asset is considered inactive if a date is set in in column DEAKT in table ANLA. If the effort to resolve inconsistencies within these inactive assets seems to be too high, consider alternatives, such as archiving assets with the business departments and your implementation partner. The top 10 inactive assets based on the oldest deactivation date are listed in the table below.

Inactive Assets	Asset Sub-number	Deactivation Date
HO/0034	0000	03/26/2006
HO/0045	0000	03/26/2006
HO/0050	0000	03/26/2006
HO/0054	0000	03/26/2006
HO/0056	0000	03/26/2006
HO/0058	0000	03/26/2006
HO/0065	0000	03/26/2006
HO/0069	0000	03/26/2006
HO/0071	0000	03/26/2006
HO/0102	0000	04/25/2006

8.3 Material Ledger

Material Ledger is a finance module that is used to manage material inventories. Inventories can be managed in multiple currencies and multiple valuations. It is fully integrated into the general ledger (universal journal). The material ledger is the basis of actual costing. Actual costing works with the same currencies and valuations as those managed in the material ledger. It allows you to evaluate all materials managed in inventory, work in process, and cost of goods sold at actual costs. Data conversion activities will not activate actual costing if it was not active in the source system since actual costing is still optional in SAP S/4HANA.

Analysis date: 04/03/2024

8.3.1 Inconsistencies

The data displayed in this section is based on the results of the execution of the FIN_ML_CORR_RECONCILE report in your system. The underlying reconciliation check is one of the main sources of the financial data quality analysis, performing various consistency checks against the Material Ledger module in your system. Identified inconsistencies might have a negative impact on your daily business and digital transformation projects. As a result, it is crucial to carefully analyze and resolve identified issues prior to the SAP S/4HANA conversion. Please note that, when estimating the resolution effort for the identified inconsistencies, you should refer to the number of different inconsistency types, rather than the total number of inconsistencies. For more information about the identified inconsistency types, see SAP Note [2389581](#).

Analysis Overview

Total Number of Inconsistencies	Total Number of Inconsistency Types
1	1

Analysis Details

Message Number	Message Class	Total Number of Inconcistencies	Description	Category	Category Description
024	FIN_ML_RECO N	1	&1: Entries in T001K exist without corresponding entry in T001W	B	Manual correction instructions available – SAP Note 2389581

8.3.2 Materials

This section contains an overview of identified materials by valuation area and fiscal year. To see a detailed overview, use the Export to Spreadsheet function. The top 10 materials based on the total number of materials are listed in the table below.

By Valuation Area

Valuation Area	Total Number of Materials	Consistent Materials	Inconsistent Materials
NR2	4,538	4,538	0
LR2	4,430	4,430	0
AY2	4,368	4,368	0
LR1	2,819	2,819	0
LR1	2,791	2,791	0
RP1	2,781	2,781	0
EM1	2,778	2,778	0
NR1	2,778	2,778	0
RO1	2,778	2,778	0
BK1	2,777	2,777	0

By Fiscal Year

Fiscal Year	Total Number of Materials	Consistent Materials	Inconsistent Materials
2012	3,198	3,198	0
2013	3,045	3,045	0
2014	2,738	2,738	0
2011	2,265	2,265	0
2015	2,219	2,219	0
2010	1,902	1,902	0
2004	1,892	1,892	0
2005	1,883	1,883	0
2018	1,546	1,546	0
2002	1,545	1,545	0

8.3.3 Facts and Figures

This section contains information about factors that usually influence the required effort, duration, and cost for the data cleansing. Resolving these issues can lead to a significant financial data reduction and, as a result, improve your system's performance.

Total Number of Valuation History Records

The total number of all entries in all xBEWH tables.

Total Number of Valuation History Records
435,161

Total Number of Valuation Areas

The total number of valuation areas reflects the number of entries in table T001K.

Total Number of Valuation Areas
90

Inactive Valuation Areas (BWKEY)

A valuation area is considered active if Material Ledger is enabled. In S/4HANA, the material ledger must be active for all valuation areas. If it is not active in the source ERP ECC system, it will be activated automatically during the conversion process. In the list below, you can find 10 examples.

Inactive Valuation Areas
7005
LR1
LR2
LR3
PT1
VT1
EM1
HT1
IR1
BK1

Actual Costing Is Enabled for Active Valuation Areas

Actual costing can only be enabled for active valuation areas. In S/4HANA, the use of actual costing is optional. If actual costing is enabled, this means that there is an increased effort during the conversion since the table MLDOC must be filled in the S/4HANA system. In the list below, you can find 10 examples.

Number of Active Valuation Areas by Currency Type and Valuation View (CURTP)

If Material Ledger is enabled for a BWKEY, the information about the number of Currency Types and Valuation Views (CURTP) per BWKEY is listed in the table CKMLCT.

One Currency Type and Valuation View	Two Currency Types and Valuation Views	Three Currency Types and Valuation Views
0	0	0

LINK TO FINANCIAL DATA QUALITY

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/FDQ](https://me.sap.com/readinesscheck/Analysis('6018999')/FDQ)

9 Additional Information for a System Conversion to SAP S/4HANA

9.1 Recommended SAP Fiori Applications for SAP S/4HANA

SAP S/4HANA offers SAP Fiori applications as an alternative to SAP GUI transactions and reports. New applications in SAP S/4HANA are always built with the SAP Fiori user interface. Click the [link](#) to see more detail about the result. See the following blog for more information: [SAP Readiness Check 2.0 – Details about the topic of SAP Fiori](#)

The following list includes the most relevant SAP Fiori applications, based on the transaction usage history in the evaluated system.

GENERAL INFORMATION

General Indicators	Values
Total Number of SAP Fiori Lighthouse Apps	49

General Indicators	Values
Total Number of SAP Fiori Apps	809
Total Number of SAP Fiori Theme ClassicUI Apps	208

SAP Fiori Role	Number of SAP Fiori App
Purchaser	122
Internal Sales Representative	92
General Ledger Accountant	88
Maintenance Planner	68
Production Planner	66
Cost Accountant - Overhead	62
Inventory Manager	60
Configuration Expert - Business Process Configuration	56
Strategic Buyer	54
Material Planner - External Procurement	52
Transportation Scheduler (Oil & Gas)	50
Warehouse Clerk	48
Accounts Receivable Accountant	46
Shipping Specialist - Just-In-Time Supply	46
Billing Clerk	45
Settlement Clerk (Agricultural Contract Management)	45
Shipping Specialist	43
Operations Clerk (Agricultural Contract Management)	40
Returns & Refund Clerk	40
Sales Manager	39
Customer Service Manager (Customer Management)	36
Receiving Specialist	33
Asset Accountant	30
Cost Accountant - Sales	29
Maintenance Technician	29
Cash Management Specialist	29
Customer Service Representative (Customer Management)	29
Sales Manager (Customer Management)	28
Maintenance Supervisor	27
Quality Engineer	26
Customer Service Representative - In-House Repair	26
Shipping Specialist (Oil & Gas)	26
Accounts Payable Accountant	25
Purchaser - Central Procurement	24
Project Manager (Commercial Project Management)	24

SAP Fiori Role	Number of SAP Fiori App
Customer Service Manager - In-House Repair	24
Accounts Receivable Manager	23
Production Supervisor - Discrete Manufacturing	23
Production Engineer - Discrete Manufacturing	23
Cash Manager	21
Production Engineer - Process Manufacturing	21
Technical Officer - Armed Forces	19
Quality Technician	19
Production Supervisor - Process Manufacturing	19
Hydrocarbon Analyst (Oil & Gas)	19
BOM Engineer	18
Divisional Accountant	18
BOM Engineer - Customer Order	18
Project Financial Controller	16
Terminal Operator (Oil & Gas)	15
Administrator - Recipe Development	15
Service Planner - Recurring Service	15
Employee - Procurement	15
Employee	15
Accounts Payable Accountant - Procurement	14
Accounts Payable Manager	13
Sourcing Manager	13
Warehouse Clerk (Retail)	13
Development Manager - Discrete Industry	13
Design Engineer	13
Service Technician - In-House Repair	13
Inventory Manager (Retail)	13
Administrator - Accounts Payable and Receivable (FI-CA)	12
Change Management Coordinator	12
Administrator	12
Extensibility Specialist	12
Administrator - International Trade	11
Production Operator - Process Manufacturing	11
Master Data Specialist - Product Data	11
Production Operator - Discrete Manufacturing	11
Trader (Agricultural Contract Management)	10
Master Data Specialist (Agricultural Contract Management)	10
Project Logistics Controller	10
Manager - Inbox	10

SAP Fiori Role	Number of SAP Fiori App
Master Data Specialist - Raw Substance Data	10
Systems Engineer	10
Purchasing Manager	9
Master Data Specialist - Maintenance Management	9
Configuration Expert - Business Network Integration	9
Revenue Accounting Manager (Oil & Gas)	9
Production Supervisor - Repetitive Manufacturing	8
Master Data Specialist - Batch Data	7
SAP_BR_RFM_STORE_MANAGER	7
Quality Planner	7
Replenishment Specialist - Distribution Center (Retail)	7
SAP_BR_RFM_STORE_ASSOCIATE	7
Production Operator - Repetitive Manufacturing	7
Trader - Futures	6
Accounts Payable and Receivable Accountant (FI-CA)	6
Recipe Developer	6
Master Data Specialist - Commodity Management	6
Product Configuration Modeler	5
Master Data Specialist - Business Partner Data	5
Master Data Specialist - Product Compliance	5
Industrial Hygienist	5
Credit Controller	5
Manager - Procurement	5
External Auditor	5
Internal Sales Representative (Subscription Order Management)	5
SAP_BR_MD_SPCLST_ITEM_RFM	5
Treasury Specialist - Back Office	5
Product Stewardship Specialist - Product Compliance	4
Quality Manager	4
Administrator (Retail)	4
Trade Compliance Specialist	4
General Ledger Accountant for Turkey	4
Deferment Analyst (Oil & Gas)	4
Material Planner - Just-In-Time Supply	4
General Ledger Accountant for New Zealand	4
Reconciliation Specialist - Accounts Payable and Receivable (FI-CA)	4
Trade Classification Specialist	4
Cost Accountant - Production	4

SAP Fiori Role	Number of SAP Fiori App
Group Accountant	4
General Ledger Accountant for South Africa	4
General Ledger Accountant for Australia	4
Analytics Specialist	4
Administrator - Group Reporting	4
General Ledger Accountant for Canada	4
Cost Accountant - Inventory	4
Order Fulfillment Specialist (Retail)	4
External Auditor - Group Reporting	4
Business Process Specialist	4
General Ledger Accountant - Group Reporting	4
General Ledger Accountant for Spain	3
Cash Manager for Thailand	3
General Ledger Accountant for Israel	3
Production Engineer - Discrete Manufacturing (Manufacturing Engineering)	3
General Ledger Accountant for Belgium	3
Field Operator (Oil & Gas)	3
Forecast Specialist (Oil & Gas)	3
General Ledger Accountant for Norway	3
General Ledger Accountant for Japan	3
General Ledger Accountant for Austria	3
General Ledger Accountant for Portugal	3
General Ledger Accountant for Sweden	3
General Ledger Accountant for Singapore	3
Supply Chain Manager (Oil & Gas)	3
General Ledger Accountant for Switzerland	3
General Ledger Accountant for Italy	3
Production Operator - Lean Manufacturing	3
Production Engineer - Discrete Manufacturing (Complex Assembly)	3
General Ledger Accountant for Thailand	3
Data Privacy Specialist - Consent Management	3
General Ledger Accountant for Malaysia	3
General Ledger Accountant for Netherlands	3
Environmental Manager	3
Hazardous Materials Manager	3
General Ledger Accountant for Finland	3
General Ledger Accountant for Denmark	3
Billing Clerk for India	3

SAP Fiori Role	Number of SAP Fiori App
General Ledger Accountant for Luxembourg	3
General Ledger Accountant for France	3
Cash Management Specialist for USA	3
Production Supervisor - Discrete Manufacturing (Extended Production Operations)	2
Configuration Expert - Data Migration	2
General Ledger Accountant for Croatia	2
Dangerous Goods Specialist	2
General Ledger Accountant for Indonesia	2
Inventory Manager (Oil & Gas)	2
General Ledger Accountant for Ireland	2
General Ledger Accountant for Slovakia	2
Plant Manager - EHS Info	2
Tax Accountant - Corporate Income Tax	2
Asset Accountant for Singapore	2
Asset Accountant for Italy	2
Meter Data Specialist - Energy Loss Prevention (Utilities) for Brazil	2
Order-to-Cash Process Manager	2
Product Configuration Modeler (Subscription Order Management)	2
General Ledger Accountant for India	2
Asset Accountant for Portugal	2
Asset Accountant for Slovakia	2
Forecast Analyst - Production (Oil & Gas)	2
Production Supervisor - Discrete Manufacturing (Complex Assembly)	2
General Ledger Accountant for Russian Federation	2
Payment Specialist	2
General Ledger Accountant for Peru	2
Insurance Claims Handler	2
Cash Manager for Malaysia	2
Accounts Payable Accountant for China	2
Payment Specialist - In-House Banking	2
Asset Accountant for Poland	2
General Ledger Accountant for Philippines	2
General Ledger Accountant for Poland	2
SAP_FND_BCR_MANAGER_T	2
General Ledger Accountant for Czech Republic	2
Product Stewardship Specialist	2
General Ledger Accountant for Germany	2

SAP Fiori Role	Number of SAP Fiori App
General Ledger Accountant for Taiwan	2
Quality Engineer (Extended Production Operations)	2
Payment Specialist	2
General Ledger Accountant for Hungary	2
Master Data Specialist (Oil & Gas)	2
Accounts Receivable Accountant for China	2
Collections Specialist (FI-CA)	2
Accounts Payable and Receivable Manager (FI-CA)	2
Grant Responsible	2
Grant Specialist - Grantor Programs	2
General Ledger Accountant for United Kingdom	2
Cash Manager for Indonesia	2
General Ledger Accountant for Romania	2
Inventory Accountant for Taiwan	1
Accounts Payable Manager for Belgium	1
Accounts Payable Manager for USA	1
Commodity Risk Manager - Hedge Accounting	1
Administrator - Sourcing	1
General Ledger Accountant - Banks	1
Accounts Payable Manager for Mexico	1
Accounts Payable Manager for Canada	1
Cash Manager for China	1
Asset Accountant for Luxembourg	1
Accounts Payable Manager for Colombia	1
Accounts Receivable Manager for Thailand	1
Accounts Payable Manager for Venezuela	1
Accounts Payable Manager for Spain	1
Accounts Payable Manager for Singapore	1
Accounts Payable Manager for Thailand	1
Accounts Payable Accountant for Norway	1
Accounts Receivable Accountant for Norway	1
Accounts Payable Manager for Chile	1
Accounts Payable Manager for Slovakia	1
Transportation Manager - Direct Distribution	1
Accounts Payable Manager for Peru	1
Accounts Payable Manager for Argentina	1
Accounts Payable Manager for Poland	1
Accounts Payable Manager for Australia	1
Administrator - Legal Content Management	1

SAP Fiori Role	Number of SAP Fiori App
Legal Counsel	1
Accounts Payable Manager for Malaysia	1
General Ledger Accountant for Oman	1
Accounts Payable Manager for Germany	1
Employee - Maintenance Info	1
Meter Data Specialist (Utilities) for Brazil	1
Employee - Legal Content Management	1
Inventory Accountant for China	1
Project Manager	1
Project Steering Committee Member	1
Accounts Payable Manager for Bulgaria	1
Tax Accountant - Legal Reporting	1
Credit Controller - Prepayments	1
Accounts Payable Manager for France	1
Accounts Payable Manager for Philippines	1
Treasury Specialist - Front Office	1
Treasury Risk Manager	1
Accounts Payable Accountant for Russian Federation	1
Accounts Receivable Accountant for Russian Federation	1
Billing Specialist (Utilities)	1
Meter Data Specialist (Utilities)	1
Budget Responsible - Funds Management	1
Grant Specialist	1
Budget Specialist - Funds Management	1
General Ledger Accountant for Colombia	1
Treasury Accountant	1
Accounts Payable Manager for United Kingdom	1
General Ledger Accountant for South Korea	1
Production Planner - Lean Manufacturing	1
Treasury Specialist - Middle Office	1
General Ledger Accountant for Bulgaria	1
General Ledger Accountant for Ukraine	1
Accounts Receivable Accountant for Poland	1
General Ledger Accountant for Kazakhstan	1
Invoicing Specialist (Convergent Invoicing)	1
Accounts Payable Accountant for Israel	1
Administrator - Revenue Accounting	1
Asset Accountant for Israel	1
Asset Accountant for Romania	1

SAP Fiori Role	Number of SAP Fiori App
Order Fulfillment Specialist	1
Accounts Payable Manager for Belize	1
Asset Accountant for Serbia	1
Revenue Accountant	1
Audit Specialist for Israel	1
Accounts Payable Accountant for Poland	1
General Ledger Accountant - Intercompany	1
Inventory Analyst	1
General Ledger Accountant for Serbia	1
Asset Accountant for Bulgaria	1
Insurance Policy Clerk	1
Accounts Payable Manager for Italy	1
Production Operator - Discrete Manufacturing (Extended Production Operations)	1
General Ledger Accountant for United Arab Emirates	1
Pricing Specialist	1
Accounts Payable Manager for South Korea	1
General Ledger Accountant for Saudi Arabia	1
Manager - Finance Info	1
Accounts Payable Manager for Saudi Arabia	1
Accounts Payable Manager for Portugal	1
Cash Management Specialist for China	1
Organizational Planner - Force Element	1
Business Analyst (Oil & Gas)	1
Production Data Specialist (Oil & Gas)	1
Accounts Payable Manager for Ireland	1
Accounts Payable Manager for Indonesia	1
Forecast Manager (Oil & Gas)	1
General Ledger Accountant for Chile	1
General Ledger Accountant for Egypt	1
Compliance Engineer - Food and Beverage	1
Accounts Payable Manager for Japan	1
General Ledger Accountant for Argentina	1
Accounts Payable Manager for Greece	1

If you would like to have the complete list of recommended SAP Fiori Apps, use the excel generated together with the word document.

LINK TO THE COMPLETE LIST OF RECOMMENDED SAP FIORI APPS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Fiori](https://me.sap.com/readinesscheck/Analysis('6018999')/Fiori)

For details on SAP Fiori for SAP S/4HANA, check out the following information:

Topic	Link
The SAP Fiori apps reference library	https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/
SAP Fiori demo video	https://www.youtube.com/watch?v=lo9HfoVkgVU&
SAP Fiori trial	https://www.sapfioritrial.com/
SAP Fiori Lighthouse Scenarios	https://www.sap.com/corporate/en/documents/2018/01/12b3dec4-ec7c-0010-82c7-eda71af511fa.html
SAP Readiness Check 2.0 – Details about the topic of SAP Fiori	https://blogs.sap.com/2019/05/16/sap-readiness-check-2.0-details-about-the-topic-of-sap-fiori/

9.2 App Availability

Later releases of SAP S/4HANA have increased functionality, incremental refinements, and simplifications that can influence future system usage. As a result of these changes, some apps in the SAP ERP or SAP S/4HANA source system may be deprecated, unavailable, or available with a successor in the SAP S/4HANA target release.

This check identifies apps using UI technology types SAP GUI, SAP Fiori, and Web Dynpro in the source system, and then determines one of the following status categories:

- **Deprecated:** Apps assigned to this category are still supported but outdated. The apps are considered to be in maintenance mode, and there are no new features available. If possible, the apps should not be used. You can, however, still use them, but they may no longer be supported in the future and may even be removed. The apps are usually replaced with successor apps.
- **Unavailable:** Apps assigned to this category are not supported any longer. The apps may not work as expected and can no longer be used.
- **Available with Successor:** Apps assigned to this category are still available in the target release; however, successor apps are available. We recommend that you use the successor app where it's available.

While reviewing the identified apps and recommended successors (if available), the default scoping evaluation status can be updated from *New* to either *In Scope* or *Out of Scope* to capture the decision related to each finding.

The following table provides a summary of the check results:

App Name	App ID	UI Technology Type	Status
Analysis of Security Audit Log	SM20	SAP GUI	Deprecated
Asset Retirement by Scrapping	ABAV	SAP GUI	Unavailable
Attendee List	S_PH9_46000434	SAP GUI	Deprecated
Balance Display	FS10N	SAP GUI	Unavailable
Block Customer (Centrally)	XD05	SAP GUI	Unavailable
Block Vendor (Centrally)	XK05	SAP GUI	Unavailable
Call up of AM report overview	OARP	SAP GUI	Unavailable
Cancel Material Document	MBST	SAP GUI	Unavailable

App Name	App ID	UI Technology Type	Status
Change Customer (Accounting)	FD02	SAP GUI	Unavailable
Change Customer (Centrally)	XD02	SAP GUI	Unavailable
Change Customer (Sales)	VD02	SAP GUI	Unavailable
Change Customer Credit Management	FD32	SAP GUI	Unavailable
Change Material Document	MB02	SAP GUI	Unavailable
Change Operations	IW37	SAP GUI	Deprecated
Change Plan Costs/Revenues	7KE1	SAP GUI	Deprecated
Change Request For Quotation	ME42	SAP GUI	Deprecated
Change Vendor (Centrally)	XK02	SAP GUI	Unavailable
Create asset transactions	AB01	SAP GUI	Unavailable
Create Cost Element	KA01	SAP GUI	Unavailable
Create Customer (Centrally)	XD01	SAP GUI	Unavailable
Create Customer (Sales)	VD01	SAP GUI	Unavailable
Create Quotation	ME47	SAP GUI	Deprecated
Create Request For Quotation	ME41	SAP GUI	Deprecated
Create Vendor (Centrally)	XK01	SAP GUI	Unavailable
Credit Management - Overview	F.31	SAP GUI	Unavailable
Customer Master Data Sheet	VC/2	SAP GUI	Unavailable
Define Reference Interest Rate Values	OB83	SAP GUI	Unavailable
Display Actual Costs and Revenues	CJ13	SAP GUI	Deprecated
Display Cost Element	KA03	SAP GUI	Unavailable
Display Customer (Centrally)	XD03	SAP GUI	Unavailable
Display Customer (Sales)	VD03	SAP GUI	Unavailable
Display Customer Credit Management	FD33	SAP GUI	Unavailable
Display Material Document	MB03	SAP GUI	Unavailable
Display Operations	IW49	SAP GUI	Deprecated
Display Purchase Order	ME23	SAP GUI	Deprecated
Display Purchase Requisition	ME53	SAP GUI	Deprecated
Display Quotation	ME48	SAP GUI	Deprecated
Display Request For Quotation	ME43	SAP GUI	Deprecated

App Name	App ID	UI Technology Type	Status
Display Vendor (Accounting)	FK03	SAP GUI	Unavailable
Display Vendor (Centrally)	XK03	SAP GUI	Unavailable
Display Vendor (Purchasing)	MK03	SAP GUI	Deprecated
Display Vendor Evaluation	ME62	SAP GUI	Deprecated
EHS: Change Inc./Acc. Log Entry	CBIH82	SAP GUI	Unavailable
EHS: Display Inc./Acc. Log Entry	CBIH83	SAP GUI	Unavailable
EHS: Display Inj./Illness Log Entry	CBIH73	SAP GUI	Unavailable
EHS: Display Work Area	CBIH03	SAP GUI	Unavailable
EHS: Edit Work Area	CBIH02	SAP GUI	Unavailable
EHS: Injury/Illn.Log Data Transfer	CBIH89	SAP GUI	Unavailable
FI-AA Asset Summary	AUN0	SAP GUI	Unavailable
Fiscal Year Change	AJRW	SAP GUI	Unavailable
Goods Movement	MB11	SAP GUI	Unavailable
Goods Receipt for Production Order	MB31	SAP GUI	Unavailable
Goods Withdrawal	MB1A	SAP GUI	Unavailable
Info. System CCtrls: Presettings	RPC0	SAP GUI	Unavailable
Legacy System Migration Workbench	LSMW	SAP GUI	Deprecated
Lock Transactions	SM01	SAP GUI	Unavailable
Logon to SAP Service Marketplace	OSS1	SAP GUI	Unavailable
Maintain Purchase Order Supplement	ME24	SAP GUI	Deprecated
Maintain RFQ Supplement	ME44	SAP GUI	Deprecated
MaintSchedule Date Monitoring	IP30	SAP GUI	Deprecated
Mark vendor for deletion (centrally)	XK06	SAP GUI	Unavailable
Miscellaneous Transactions	ABSO	SAP GUI	Unavailable
Other Goods Receipts	MB1C	SAP GUI	Unavailable
Periodic APC Posting Run	ASKBN	SAP GUI	Unavailable
Plan/Actual Comparison	S_ALR_87013099	SAP GUI	Deprecated
PMIS: Object Class Analysis	MCI1	SAP GUI	Deprecated
Post Credit Memo - In Year of Invoice	ABGL	SAP GUI	Unavailable
Post Document	ABF1	SAP GUI	Unavailable

App Name	App ID	UI Technology Type	Status
Post Goods Receipt for PO	MB01	SAP GUI	Unavailable
Post Revaluation	ABAW	SAP GUI	Unavailable
Post Unplanned Depreciation	ABAA	SAP GUI	Unavailable
Price Comparison List	ME49	SAP GUI	Deprecated
Print MRP List	MDLD	SAP GUI	Deprecated
Release Purchase Orders	ME28	SAP GUI	Deprecated
Release Purchase Requisition	ME54	SAP GUI	Deprecated
Release RFQ	ME45	SAP GUI	Deprecated
RFQs by Collective Number	ME4S	SAP GUI	Deprecated
RFQs by Material	ME4M	SAP GUI	Deprecated
RFQs by Material Group	ME4C	SAP GUI	Deprecated
RFQs by Requirement Tracking Number	ME4B	SAP GUI	Deprecated
RFQs by RFQ Number	ME4N	SAP GUI	Deprecated
RFQs by Vendor	ME4L	SAP GUI	Deprecated
Standard Analysis: Vendor Evaluation	ME6H	SAP GUI	Deprecated
Transfer Posting	MB1B	SAP GUI	Unavailable
Undo Year-End Closing - For Asset Accounting	OAAQ	SAP GUI	Unavailable
Vendor Account Balance	FK10	SAP GUI	Deprecated

For details on the identified apps, see the spreadsheet document that was generated together with this document.

To address these check results, please follow the steps provided in the *Next Steps* section of the side panel within the *App Availability* check or review the following recommended next steps:

- Review the apps presented in the table. You can download the results using the *Export to Spreadsheet* function at the top of the table to follow up on the findings. Alternatively, you can manually maintain the scoping evaluation status of each app and its recommended successor (if available) in the *Scoping Evaluation Status* column in the table.
- Learn more about recommended successor apps by following the links provided in the *Successor ID* and *SAP Note* columns in the table. The links will take you to the successor apps in the [SAP Fiori apps reference library](#) and to relevant SAP Notes, helping you assess the applicability of recommended successors for your organization. If an identified app and its recommended successors are not relevant for you, you can change the scoping evaluation status to *Out of Scope*. The *By Scoping Evaluation Status* bar chart at the top of the screen provides an overview of the progress of this assessment and enables you to filter the table content by choosing the status *In Scope*, *Out of Scope*, or *New*. In addition, the table content can be filtered by UI technology type (*SAP GUI*, *SAP Fiori App*, or *Web Dynpro*) and by status (*Deprecated*, *Unavailable*, or *Available with Successor*).

This check only identifies apps in the source system using UI technology types SAP GUI, Web Dynpro, and SAP Fiori, which will be deprecated, unavailable, or available with a successor in the SAP S/4HANA target release. Apps that will still be available in the target release and unknown apps are not included in this check. For SAP Fiori apps, an upgrade impact analysis can be performed to identify available and unknown apps (see SAP Fiori Upgrade Impact Analysis).

In addition, this check only shows apps recently used in the source system when the SAP Readiness Check analysis data was collected. The identification of apps is based on ST03N usage data collected in the back end of the source system. Note that this check only displays results if usage data collected contains 12 or more months of usage statistics.

This check is client dependent. If your production system has multiple productive clients, the analysis must be run in each client.

LINK TO THE LIST OF IDENTIFIED USER INTERFACES:

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Dpt](https://me.sap.com/readinesscheck/Analysis('6018999')/Dpt)

For more information, see:

Topic	Link
SAP Enterprise Support value maps	https://support.sap.com/en/offerings-programs/enterprise-support/enterprise-support-academy/value-maps.html

9.3 Business Process Discovery

The result table below shows key figures for business process improvement for SAP solutions. The figures represent:

- Degree of automatic document creation
- Clean-up potential for old and open business documents
- Usage of (custom) configured document types

Data provided in this tile will not prevent you from converting your system (no showstopper) yet is highly recommended to address in advance of your conversion project. SAP Readiness Check provides a high-level analysis, for more information for a deep analysis of the respective key figures, please see table below.

Process Automation:

This section evaluates your process efficiency of back-office processes by making the degree of automation transparent when creating business documents. This will help you to understand in which areas you have further potential of optimization and what volume of business documents is actually created.

Transactional Backlog:

This section provides an overview of old open and overdue business documents that need to be worked on before they are archived and migrated to SAP S/4HANA. Additionally, these key figures can also have an impact on SAP S/4 HANA topics such as fast closing, MRP planning, and inventory optimization if they are migrated unnecessarily.

Non-Standard Order Types:

To understand your potential to reduce complexity and further harmonize or even standardize business processes, check the section to see how many different document types have been customized and whether they are used in the current business solution.

For more details, contact your SAP account executive and ask for more information on the service business process improvement for SAP solutions.

If you have an SAP Enterprise Support contract, visit the [SAP Enterprise Support Value Map](#) for Business Process Improvement for guidance on next steps.

BUSINESS PROCESS DISCOVERY KPI

Name	Type	Value	Status
Order type usage in process orders	Non-Standard Order Types	0 of 0	Healthy

Name	Type	Value	Status
Credit memo request type usage	Non-Standard Order Types	3 of 6	Some Improvement Potential
Return order type usage	Non-Standard Order Types	0 of 2	Healthy
Order type usage in PM/CS orders	Non-Standard Order Types	6 of 13	High Potential
Debit memo request type usage	Non-Standard Order Types	2 of 5	Some Improvement Potential
Sales order type usage	Non-Standard Order Types	9 of 22	Some Improvement Potential
Order type usage in internal orders	Non-Standard Order Types	2 of 10	Some Improvement Potential
Order type usage in production orders	Non-Standard Order Types	0 of 0	Healthy
Automation rate: Sales document creation	Process Automation	21%	High Potential
Automation rate: Supplier invoices creation	Process Automation	0%	High Potential
Automation rate: Sales billing document creation	Process Automation	0%	High Potential
Automation rate: Production order creation	Process Automation	0%	High Potential
Automation rate: Process order creation	Process Automation	0%	High Potential
Automation rate: Purchase requisition creation	Process Automation	3%	High Potential
Automation rate: Purchase order item creation	Process Automation	0%	High Potential
Automation rate: Outbound delivery creation	Process Automation	99%	Healthy
Purchase requisition items open and overdue	Transactional Backlog	5.3K	Some Improvement Potential
Outbound deliveries overdue for goods issue posting	Transactional Backlog	2.4K	Healthy
Inbound deliveries overdue for goods receipt posting	Transactional Backlog	0	Healthy
Open items in general ledger accounts (aggregated)	Transactional Backlog	220K	High Potential
Sales orders open & overdue for delivery	Transactional Backlog	10K	Some Improvement Potential
PM/CS orders overdue for deletion flag	Transactional Backlog	2.1M	High Potential
Purchase order items open and overdue	Transactional Backlog	7.2K	Some Improvement Potential
Shipments within certain status	Transactional Backlog	0	Healthy
Production orders overdue for deletion flag	Transactional Backlog	0	Healthy

Name	Type	Value	Status
Process orders overdue for deletion flag	Transactional Backlog	0	Healthy

LINK TO THE LIST OF BUSINESS PROCESS DISCOVERY KPI

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Bpa/ProcessAutomation](https://me.sap.com/readinesscheck/Analysis('6018999')/Bpa/ProcessAutomation)

For more information on Business Process Discovery, check out the following information:

Topic	Link
SAP Enterprise Support Value Map for Business Process Improvement (For Enterprise Support customers only)	https://support.sap.com/en/offerings-programs/enterprise-support/enterprise-support-academy/value-maps.html

9.4 SAP Innovative Business Solutions

No SAP Innovative Business Solutions available

9.5 Planned Downtime Calculator

Disclaimer: The values are provided for reference purposes only. The actual durations highly depend on the system configuration, including hardware, network, database size, system settings, and other factors. SAP makes no warranty, either expressed or implied, that the runtimes for your system will fit into the indicated range.

SAP ERP Database: Oracle

Data Volume: 682 GiB

Financial Data Records to Be Converted: 50M

Total Downtime: 37 hours 30 minutes

Phases	Default Value	Your Value
System Ramp-Down Typically, this phase includes the completion of the normal workload and the isolation of the system. For example, it includes logging out end users, stopping background processes, and clearing delta queues.	1h(empirical) Empirical value for medium-sized systems	
Downtime Preparations This phase usually includes the extraction of preconversion data for later reconciliation (data validation). In addition, it includes several last conversion-relevant preparation steps for applications. The scope depends on the functional usage of the system.	3 h (empirical) Empirical value for medium-sized systems	
Technical Downtime (SUM) This phase includes the database migration, the software upgrade, and the data conversion.	12 h (estimated) We did not find any samples matching your system. However, systems of your size (that is, under 1 TB) usually complete the technical downtime under 12 h , with the majority of systems completing the technical downtime under 24 h . It may be possible to run the conversion of your system in the time frame of a weekend using the standard conversion.	

Phases	Default Value	Your Value
Technical Postprocessing and Data Conversion Preparation Typically, this phase includes adjustments of the technical infrastructure, postprocessing steps after the technical conversion, and customer transports, including customizing for FI conversion and the implementation of relevant SAP Notes.	4 h (empirical) Empirical value for medium-sized systems	
Finance and Material Ledger Data Conversion In this phase, the financial data (FI, FI-GL, FI-AA, CO, and ML) is migrated into the universal journal table ACDOCA	1 h (estimated) A conservative estimation, assuming a conversion rate of 100 million records per hour, is 2 h . An optimistic estimation, assuming a conversion rate of 150 million records per hour, is 1 h .	
Application Postprocessing This phase usually includes the postconversion data extraction for later reconciliation (data validation), the import of customer transports, as well as the execution of IMG steps that are related to FI migration. It may include further steps required by other applications.	7 h (empirical) Empirical value for medium-sized systems	
Business Validation Usually, this phase includes tests that are performed by the key users to ensure that the system works as expected from a functional perspective.	4 h (empirical) Empirical value for medium-sized systems	
Go/No-Go Decision In this phase, the project management team holds a final status meeting and makes the go/no-go decision, based on the results of the reconciliation and the functional tests.	30 min (empirical) Empirical value for medium-sized systems	
System Ramp-Up In this phase, normal system operations are resumed.	2 h (empirical) Empirical value for medium-sized systems	
Fallback Buffer This phase includes a fallback buffer that is required if the conversion was not successful.	3 h (empirical) Empirical value for medium-sized systems	

WHAT'S NEXT

Consider performing archiving and housekeeping prior to the conversion as it could shorten the system downtime.

After completing your first conversion, use the [Technical Downtime Optimization](#) app to get an advice on how to optimize the runtimes of future conversion iterations and cycles.

If you require a significantly shorter business downtime, consider the downtime-optimized conversion option, which was made generally available as of SUM 2.0 SP10. For more information, see [Software Logistics Toolset](#) on SAP Support Portal.

For large systems or systems with stringent business downtime requirements, consider the minimized downtime service by SAP Service and Support.

For further help choosing the right approach, please reach out to your SAP account executive or your SAP support contact.

LINK TO PLANED DOWNTIME CALCULATOR

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/Downtime](https://me.sap.com/readinesscheck/Analysis('6018999')/Downtime)

9.6 Customer Vendor Integration Analysis

The strategic object model in SAP S/4HANA is the Business Partner. Business Partner is capable of centrally managing master data for Business Partners, Customers, Vendors, and Contact Persons.

Only SAP customers with Customer/Vendor Integration completed can convert an SAP ERP 6.0 system to SAP S/4HANA. To ensure a successful transformation, all Customers, Vendors, and Contact Persons, which relate to one Customer or Vendor, must be converted to a Business Partner (including also those Customers, Vendors, and assigned Contact Persons with the deletion flag).

Successful execution of the Customer/Vendor Integration process requires a high degree of data quality within Customer, Vendors, and Contact Persons master data. As master data quality is so critical, SAP customers are recommended to run the Master Data Consistency Check report well in advance of starting the CVI project and correct any possible master data issues that could jeopardize the CVI process (please see SAP Note 2743494). By addressing the identified quality issues, the customer can have a higher degree of confidence going into a CVI project. Otherwise, if left until the CVI project is underway, the project will face uncertainty, which will most likely result in delays.

Master Data Volume Analysis

Number of Customers	Number of Customer Account Groups	Number of Customers Converted to Business Partner
871	33	0

Number of Vendors	Number of Vendor Account Groups	Number of Vendors Converted to Business Partner
9,310	28	0

Number of Customer Contact Persons	Number of Customer Contact Persons Converted to Business Partner
213	0

Number of Vendor Contact Persons	Number of Vendor Contact Persons Converted to Business Partner
0	0

Data Quality Analysis for Customers

Check Type	Number Issues Found	Description
Tax code	102	The tax fields STCD1 to STCD5 are checked against the rules defined in the Countries/Regions table (T005). The tax type is also checked against the TFKTAXNUMTYPE_C table.
Number range	0	The numbers are checked by verifying whether they are within the current number range interval, which is defined in the respective account group of customers.
Postal code	20	The format of the postal code is checked against the customizing in the table ADDR_PCDFORMAT.
Industry	0	The Industry field is checked against the standard industry types that are defined in the table TB038.
Bank	0	Countries/regions, number, and account number of banks are checked against the bank master customizing (table BNKA).
Tax jurisdiction	0	The combination of countries/regions, state, county, city, and ZIP code in the address data is checked by verifying that the combination corresponds to a valid tax jurisdiction.
Transportation zone	0	The transportation zone is checked against the records in table TZONE. The value is checked by verifying that it is not empty (if defined as mandatory in the configuration).

Check Type	Number Issues Found	Description
Email	0	The email is checked by verifying that the format is correct (for example, @ is part of the email address and only allowed characters are used).
Address	6	Issues reported by checks in this category include invalid entries for countries/regions, district, or street. In addition, reported issues identify invalid combinations of postal code and city or PO box, a missing PO box, and so on. The checks are performed against the customizing settings in the Countries/Regions table (T005).

Data Quality Analysis for Vendors

Check Type	Number Issues Found	Description
Tax code	10,746	The tax fields STCD1 to STCD5 are checked against the rules defined in the Countries/Regions table (T005). The tax type is also checked against the TFKTAXNUMTYPE_C table.
Number range	1	The numbers are checked by verifying whether they are within the current number range interval, which is defined in the respective account group of vendors.
Postal code	230	The format of the postal code is checked against the customizing in the table ADDR_PCDFORMAT.
Industry	0	The Industry field is checked against the standard industry types that are defined in the table TB038.
Bank	6	Countries/regions, number, and account number of banks are checked against the bank master customizing (table BNKA).
Tax jurisdiction	0	The combination of countries/regions, state, county, city, and ZIP code in the address data is checked by verifying that the combination corresponds to a valid tax jurisdiction.
Transportation zone	0	The transportation zone is checked against the records in table TZONE. The value is checked by verifying that it is not empty (if defined as mandatory in the configuration).
Email	3	The email is checked by verifying that the format is correct (for example, @ is part of the email address and only allowed characters are used).
Address	5	Issues reported by checks in this category include invalid entries for countries/regions, district, or street. In addition, reported issues identify invalid combinations of postal code and city or PO box, a missing PO box, and so on. The checks are performed against the customizing settings in the Countries/Regions table (T005).

LINK TO CUSTOMER VENDOR INTEGRATION ANALYSIS

[https://me.sap.com/readinesscheck/Analysis\('6018999'\)/businessPartnerCvi](https://me.sap.com/readinesscheck/Analysis('6018999')/businessPartnerCvi)

10 Next Steps and Further Information

See the following links for relevant SAP S/4HANA resources:

Topic	Description
SAP Value Assurance Services	Quick-start your digital transformation with the SAP Value Assurance Service Packages for SAP S/4HANA.
Transition to SAP S/4HANA	The project roadmap gives you a general overview of an SAP S/4HANA project by phase, workstream, or service. The results are

Topic	Description
	presented as activities, deliverables, and tasks and are enriched with corresponding whitepapers and SAP Notes.
SAP S/4HANA Trial	Direct link to the SAP S/4HANA trial where you can explore SAP S/4HANA, our next generation ERP suite, with a 30-day trial utilizing the latest SAP S/4HANA release.
SAP S/4HANA Community	Ask questions, share experiences, and build your knowledge of SAP's next generation business suite.
SAP Innovative Business Solutions	When your vision requires innovations which go beyond SAP standard software capabilities, we offer services to discover, design, develop and deploy SAP based developments. Those are like standard but just for you. Optionally even with support.

LINK TO THE LIST OF NEXT STEPS AND FURTHER INFORMATION

<https://me.sap.com/readinesscheck>