

CNV-1153 Preference status

Status	Approved
Owner	RAYUDU-ext, Narasimha Kumar
Stakeholders	

Purpose

The purpose of this document is to define the conversion approach to create GTS Preference Status in S/4 HANA based on Master Data Standards [GTS Preference Status](#).

GTS Preference Status is used to indicate whether a product or transaction qualifies for preferential treatment under international trade agreements (such as free trade agreements or customs unions).

As part of the Syway program, WGP - GTS 11.0 will be upgraded to SAP S/4 GTS E4H Edition. For this master data object, the data must be extracted from the current system and loaded into the new GTS E4H system with minimal transformations.

Scope of this includes only legal regulations for preference legal code 06 should be created here. Need to link the legal regulation name from the old GTS system and the new legal regulation name in Syway GTS system

Conversion Scope

The scope of this document covers the approach for converting active GTS Preference Status from Legacy Source Systems into S/4HANA following the [GTS Preference Status](#) Master Data Design Standard.

The data from legacy system includes:

- 1. Timeframe considered for the data at the time of Go-Live: current year-2years.**
 - a. /SAPSL/PRPREFDATBI (Valid From)
 - b. /SAPSL/PRPREFDATAB (Valid To)
- 2. Preference Status Validity**
 - 1.The preference status must be valid and current.
 - 2.The linked product or material must be active
 - 3.Only include records associated with Legal Regulation 06.
- 3. Scenario-Based Migration Decisions (For Eg: Go-Live Date: July 2026)**
 1. If the preference status is valid until December 2026 (same year as Go-Live), migrate the record.
 2. If the preference status is valid until December 2027 or later (future years), migrate the record.
 3. If the preference status is valid until January 2026 (same year as Go-Live), migrate the record.
 4. If the preference status is valid until January 2025, migrate the record to maintain two years of historical data (i.e., keep records from 2024, 2025, and 2026).

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
WGP		TBD	TBD	

Additional Information

Multi-language Requirement

NA

Document Management

NA

Legal Requirement

NA

Special Requirements

NA

Target Design

The technical design of the target for this conversion approach.

Table	Field	Data Element	Field Description	Data Type	Length	Requirement
/SAPSL /PRPREF	GUID_PRPREF	/SAPSL/UNID	Primary Key as GUID in 'RAW' Format	RAW	16	System Generated
/SAPSL /PRPREF	GUID_PR	/SAPSL/UNID	Primary Key as GUID in 'RAW' Format	RAW	16	System Generated
/SAPSL /PRPREF	GUID_MODEL	/SAPSL/UNID	Preference Model	RAW	16	Mandatory
/SAPSL /PRPREF	LGREG	/SAPSL/LGREG	Legal Regulation	CHAR	8	Mandatory
/SAPSL /PRPREF	PRFTY	/SAPSL/PRFTY	Type of Preference Data in Product Master	CHAR	2	Mandatory
/SAPSL /PRPREF	PRMET	/SAPSL/PRMET	Comparison Method	CHAR	2	Mandatory
/SAPSL /PRPREF	DATBI	DATBI	Valid-To Date	DATS	8	Mandatory
/SAPSL /PRPREF	DATAB	DATAB	Valid-From Date	DATS	8	Mandatory
/SAPSL /PRPREF	PREFE	/SAPSL/PREFE	Preference Indicator	CHAR	8	Mandatory
/SAPSL /PRPREF	PREKE	/SAPSL/PREKE	Customs Preference Statement	CHAR	8	Mandatory
/SAPSL /PRPREF	QUANT	/SAPSL/QUANT	Quantity as Floating Point Field	DEC	15(3)	Mandatory
/SAPSL /PRPREF	QUAUM	/SAPSL/QUAUM	Unit of Measure	UNIT	3	Mandatory
/SAPSL /PRPREF	VALCP	/SAPSL/VALCP	Preferential Threshold Value	CURR	15(2)	Conditional
/SAPSL /PRPREF	VALUE_BASIS_VAL CP	/SAPSL/VALBS	Value Basis of Threshold	CURR	15(2)	Conditional
/SAPSL /PRPREF	VALUE_BASIS_VAL CPA	/SAPSL/VALBS	Second Value Basis	CURR	15(2)	Conditional
/SAPSL /PRPREF	VALOR	/SAPSL/VALOR	Positive Share	CURR	15(2)	Conditional
/SAPSL /PRPREF	VALNO	/SAPSL/VALNO	Proportion of Dutiable Components	CURR	15(2)	Conditional
/SAPSL /PRPREF	VLCUR	WAERS	Currency	CUKY	5	Mandatory
/SAPSL /PRPREF	MODEL	/SAPSL/MODEL	Preference Model	CHAR	8	Mandatory
/SAPSL /PRPREF	ERNAM	ERNAM	Name of User Who Created the Object	CHAR	12	System Generated
/SAPSL /PRPREF	CRTSP	CRTSP	Date and Time When Object Was Created	TIMS	6	System Generated
/SAPSL /PRPREF	AENAM	AENAM	Name of User Who Changed the Object	CHAR	12	System Generated
/SAPSL /PRPREF	CHTSP	CHTSP	Name of User Who Changed the Object	TIMS	6	System Generated
/SAPSL /PRPREF	PURLA	/SAPSL/PURLA	Preferential Country/Region of Origin	CHAR	3	Conditional
/SAPSL /PNTPR	GRVSY	/SAPSL /PNTPRGRVSY	Logical System Group	CHAR	4	Mandatory
/SAPSL /PNTPR	PRVSY	/SAPSL /PNTPRGRVSY	Product	CHAR	4	Mandatory
/SAPSL /PNTPR	PRTYP	/SAPSL /PNTPRPRTYP	Prod. Cat. fr. Backend System for Legal and Logistics Serv.	CHAR	4	Mandatory

/SAPSL /PNTPR	GUID_PR	/SAPSL/UNID	Primary Key as GUID in 'RAW' Format	RAW	16	System Generated
/SAPSL /PNTPR	PRNUM	/SAPSL/PNTPR	Internal Product Number	CHAR	10	System Generated
/SAPSL /PNTPR	DATAB	DATAB	Valid-From Date	DATS	8	System Generated
/SAPSL /PNTPR	DATBI	DATBI	Valid -To Date	DATS	8	System Generated

Data Cleansing

ID	Criticality	Error Message/Report Description	Rule	Output	Source System
NA	NA	NA	NA	NA	NA

Conversion Process

The high-level process is represented by the diagram below:



Data Privacy and Sensitivity

NA

Extraction

Extract data from a source into . There are 2 possibilities:

1. The data exists. connects to the source and loads the data into . There are 3 methods:
 - a. Perform full data extraction from relevant tables in the source system(s).
 - b. Perform extraction through the application layer.
 - c. Only if ; cannot connect to the source, data is loaded to the repository from the provided source system extract/report.
2. The data does not exist (or cannot be converted from its current state). The data is manually collected by the business directly in . This is to be conducted using DCT (Data Collection Template) in

The agreed Relevancy criteria is applied to the extracted records to identify the records that are applicable for the Target loads

Extraction Run Sheet

Req #	Requirement Description	Team Responsible
-------	-------------------------	------------------

1	Legacy System Extraction (WGP) based on the Relevancy Rules from Table: /SAPSL/PRPREF & /SAPSL/PNTPR	Syniti
---	--	--------

Selection Screen

Selection Ref Screen	Parameter Name	Selection Type	Requirement	Value to be entered/set
NA	NA	NA	NA	NA

Data Collection Template (DCT)

Target Ready Data Collection Template will be created for data with exception of some fields which require transformation as mentioned in the transformation rule.

DCT Rules

Field Name	Field Description	Rule
NA	NA	NA

Extraction Dependencies

Item #	Step Description	Team Responsible
1	Extract data from source systems WGP	Syniti
2	Populate in a report in a Downloadable format	Syniti
3	Data is validated in ADMM Tool	SyWay Data Team
5	The data which has passed validation will be used for transformation/further processing	Business/Data Owners

Transformation

The Target fields are mapped to the applicable Legacy field that will be its source, this is a 3-way activity involving the Business, Functional team and Data team. This identifies the transformation activity required to allow to make the data Target ready:

1. Perform value mapping and data transformation rules.
 - a. Legacy values are mapped to the to-be values (this could include a default value)
 - b. Values are transformed according to the rules defined in
2. Prepare target-ready data in the structure and format that is required for loading via prescribed Load Tool. This step also produces the load data ready for business to perform Pre-load Data Validation

Transformation Run Sheet

Item #	Step Description	Team Responsible
1	Obtain Transformation Rules Sign-off from Business.	SCM Data Team
2	In dspMigrate, select the wave – S4/HANA – INT-GTS	Syniti
3	Go to Process Area Launch and Process the Object – GTS Preference Status	Syniti
4	Review and Validate Error and Preload Reports	Syniti
5	Execute the transformation to prepare the target tables	Syniti
6	Validate data from pre-load and error reports	Business/Data owner
7	Generate load files	Syniti

Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
1	WGP	/SAPSLI /PRPREF	GUID_PR REF	Primary Key as GUID in 'RAW' Format	S/4 HANA GTS	/SAPSLI /PRPREF	GUID_PR PREF	Primary Key as GUID in 'RAW' Format	This Field should be used as a Link to Header and Item table
2	WGP	/SAPSLI /PRPREF	GUID_PR	Primary Key as GUID in 'RAW' Format	S/4 HANA GTS	/SAPSLI /PRPREF	GUID_PR	Primary Key as GUID in 'RAW' Format	This Field should be used as a Link to Header and Item table
3	WGP	/SAPSLI /PRPREF	GUID_MO DEL	Preference Model	S/4 HANA GTS	/SAPSLI /PRPREF	GUID_MO DEL	Preference Model	Direct Mapping
4	WGP	/SAPSLI /PRPREF	LGREG	Legal Regulation	S/4 HANA GTS	/SAPSLI /PRPREF	LGREG	Legal Regulation	Direct Mapping
5	WGP	/SAPSLI /PRPREF	PRFTY	Type of Preference Data in Product Master	S/4 HANA GTS	/SAPSLI /PRPREF	PRFTY	Type of Preference Data in Product Master	Direct Mapping Allowed values are Preference, Calculation, Vendor
6	WGP	/SAPSLI /PRPREF	PRMET	Comparison Method	S/4 HANA GTS	/SAPSLI /PRPREF	PRMET	Comparison Method	Direct Mapping Allowed values are 0 to 6
7	WGP	/SAPSLI /PRPREF	DATBI	Valid-To Date	S/4 HANA GTS	/SAPSLI /PRPREF	DATBI	Valid-To Date	Direct Mapping
8	WGP	/SAPSLI /PRPREF	DATAB	Valid-From Date	S/4 HANA GTS	/SAPSLI /PRPREF	DATAB	Valid-From Date	Direct Mapping
9	WGP	/SAPSLI /PRPREF	PREFE	Preference Indicator	S/4 HANA GTS	/SAPSLI /PRPREF	PREFE	Preference Indicator	Direct Mapping Allowed Values are 10 to 66 are depending on the value chosen in customs preference statement
10	WGP	/SAPSLI /PRPREF	PREKE	Customs Preference Statement	S/4 HANA GTS	/SAPSLI /PRPREF	PREKE	Customs Preference Statement	Direct Mapping Allowed Values are A, B,C1,C12, C123,C123E,C12E,C13,C13E,C1E, C2,C23,C3,C4,X
11	WGP	/SAPSLI /PRPREF	QUANT	Quantity as Floating Point Field	S/4 HANA GTS	/SAPSLI /PRPREF	QUANT	Quantity as Floating Point Field	Direct Mapping
12	WGP	/SAPSLI /PRPREF	QUAUM	Unit of Measure	S/4 HANA GTS	/SAPSLI /PRPREF	QUAUM	Unit of Measure	Direct Mapping
13	WGP	/SAPSLI /PRPREF	VALCP	Preferential Threshold Value	S/4 HANA GTS	/SAPSLI /PRPREF	VALCP	Preferential Threshold Value	Direct Mapping
14	WGP	/SAPSLI /PRPREF	VALUE_BA SIS_VALCP	Value Basis of Threshold	S/4 HANA GTS	/SAPSLI /PRPREF	VALUE_B ASIS_VAL CP	Value Basis of Threshold	Direct Mapping
16	WGP	/SAPSLI /PRPREF	VALUE_BA SIS_VALC PA	Second Value Basis	S/4 HANA GTS	/SAPSLI /PRPREF	VALUE_B ASIS_VAL CPA	Second Value Basis	Direct Mapping
17	WGP	/SAPSLI /PRPREF	VALOR	Positive Share	S/4 HANA GTS	/SAPSLI /PRPREF	VALOR	Positive Share	Direct Mapping
18	WGP	/SAPSLI /PRPREF	VALNO	Proportion of Dutiable Components	S/4 HANA GTS	/SAPSLI /PRPREF	VALNO	Proportion of Dutiable Components	Direct Mapping
20	WGP	/SAPSLI /PRPREF	VLCUR	Currency	S/4 HANA GTS	/SAPSLI /PRPREF	VLCUR	Currency	Direct Mapping
21	WGP	/SAPSLI /PRPREF	MODEL	Preference Model	S/4 HANA GTS	/SAPSLI /PRPREF	MODEL	Preference Model	Direct Mapping
22	WGP	/SAPSLI /PRPREF	ERNAM	Name of User Who Created the Object	S/4 HANA GTS	/SAPSLI /PRPREF	ERNAM	Name of User Who Created the Object	Direct Mapping
23	WGP	/SAPSLI /PRPREF	CRTSP	Date and Time When Object Was Created	S/4 HANA GTS	/SAPSLI /PRPREF	CRTSP	Date and Time When Object Was Created	Direct Mapping
24	WGP	/SAPSLI /PRPREF	AENAM	Name of User Who Changed the Object	S/4 HANA GTS	/SAPSLI /PRPREF	AENAM	Name of User Who Changed the Object	Direct Mapping
25	WGP	/SAPSLI /PRPREF	CHTSP	Name of User Who Changed the Object	S/4 HANA GTS	/SAPSLI /PRPREF	CHTSP	Name of User Who Changed the Object	Direct Mapping
26	WGP	/SAPSLI /PRPREF	PURLA	Preferential Country /Region of Origin	S/4 HANA GTS	/SAPSLI /PRPREF	PURLA	Preferential Country /Region of Origin	Direct Mapping
27	WGP	/SAPSLI /PNTPR	GRVSY	Logical System Group	S/4 HANA GTS	/SAPSLI /PNTPR	GRVSY	Logical System Group	Direct Mapping
28	WGP	/SAPSLI /PNTPR	PRVSY	Product	S/4 HANA GTS	/SAPSLI /PNTPR	PRVSY	Product	Need to derive the New SAP S4 HANA Material Number based on the Cross Reference Tables
29	WGP	/SAPSLI /PNTPR	PRTYP	Prod. Cat. fr. Backend System for Legal and Logistics Serv.	S/4 HANA GTS	/SAPSLI /PNTPR	PRTYP	Prod. Cat. fr. Backend System for Legal and Logistics Serv.	Direct Mapping
30	WGP	/SAPSLI /PNTPR	GUID_PR	Primary Key as GUID in 'RAW' Format	S/4 HANA GTS	/SAPSLI /PNTPR	GUID_PR	Primary Key as GUID in 'RAW' Format	This Field should be used as a Link to Header and Item table

31	WGP	/SAPSL /PNTPR	PRNUM	Internal Product Number	S/4 HANA GTS	/SAPSL /PNTPR	PRNUM	Internal Product Number	Direct Mapping
32	WGP	/SAPSL /PNTPR	DATAB	Valid-From Date	S/4 HANA GTS	/SAPSL /PNTPR	DATAB	Valid-From Date	Direct Mapping
33	WGP	/SAPSL /PNTPR	DATBI	Valid -To Date	S/4 HANA GTS	/SAPSL /PNTPR	DATBI	Valid -To Date	Direct Mapping

Transformation Mapping

Mapping Table Name	Mapping Table Description
zLegacyMaterial	Legacy Material Number

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure Legacy System tables completeness	Syniti
2	Ensure all Transformation mappings are up to date.	Syniti

Pre-Load Validation

Project Team

Completeness

Task	Action
Verify Load File Count	SCM Data Team to verify that the total number of relevant records from the WGP System is equal to the total number of records in the Preload and Load Sheets.
Verify Consent	Verify the appropriate consents for the records have been obtained by the business/Data Owners and properly recorded

Accuracy

Task	Action
Conversion Accuracy	SCM Data team to verify that all the data in the load table/file is accurate as contents and transformation rules with below checks: 1. Mandatory Fields 2. Field and Value Mapping Correctness 3. Null Checks
Review Error Reports	Review and correct the errors. Achieve a zero-error record count as much as possible. Raise defects for data remediated and requiring a correction in the source data.

Business

Completeness

Task	Action
Verify Record Count	Business Data Owner/s to verify that the total number of relevant records in Syniti tool equal to the total number of records in the Preload and Load Sheets.
Verify Consent	Verify that the appropriate consents for the records have been obtained by the business and properly recorded

Accuracy

Task	Action
Conversion Accuracy	Business Data Owner/s to verify that all the data in the load table/file is accurate as per endorsed transformation/mapping rules.

Load

The load process includes:

1. Execute the automated data load into target system using load tool or product the load file if the load must be done manually
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation

Load Run Sheet

Item #	Step Description	Team Responsible
1	Ensure Pre-load sign-offs are obtained.	SCM Data team
2	Go to the load tool and select the correct load Program.	SCM Data team
3	Proceed with Data load.	SCM Data team
4	Validate few records loaded by accessing standard transactions.	SCM Data team
5	Generate the post load reports in the tool.	SCM Data team
6	Log errors as defects, if any and address resolutions. Close defects.	SCM Data team
7	Resolve defects by re-upload and re-generate post load reports if necessary.	SCM Data team
8	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
9	Repeat steps 5 to 7 if necessary.	SCM Data team

Load Phase and Dependencies

Configuration

Item #	Configuration Item
NA	NA

Conversion Objects

Object #	Preceding Object Conversion Approach
NA	NA

Error Handling

Error Type	Error Description	Action Taken
Configuration	<configuration> is not valid/missing	If it is a missing configuration item, then engage Functional team to expedite and fix the error in the system.
Invalid Data	<parameter> is not valid.	The parameter entry needs to be reviewed If it is an invalid data, business needs to review and correct the source of the data either in WGP or if it's mapped in DCT.
Technical Setup	Interface / Connection issue within target system's landscape	N/A – the data will be loaded directly to S/4HANA GTS System environment

Post-Load Validation

Project Team

Completeness

Task	Action
Verify the count	Verify that the record count in the post-load file is the same as the record count based on the relevancy (including any deduplication) results

Accuracy

Task	Action
Data Accuracy	SCM Data team to verify that all the data in the post load table/file is accurate as per signed-off transformation rules
Error Reports	Verify that all necessary error reports have been validated, and that errors have been addressed.
Data Consistency	Verify that the data loaded is correctly reflected in Table: /SAPSL/PRPREF & /SAPSL/PNTPR

Business

Completeness

Task	Action
Verify Count	Verify that the record count in the post load file is the same as the record count based on the relevancy (including deduplication) results
Validate Loaded Data	Validate, as per the load files signed-off, that all records were created

Accuracy

Task	Action
Data Accuracy	Verify that all the data in the S/4HANA GTS table is accurate as per signed-off transformation rules

Key Assumptions

- The Master Data Standards document is a evolving document where value mappings/validation checks are still being finalized as we are currently in the detailed phase as of October 2025.
- GTS - Preference Status is in scope based on data design and any exception requested by business.

See also

Change log

Version	Published	Changed By	Comment
CURRENT (v. 7)	Oct 17, 2025 15:17	RAYUDU-ext, Narasimha Kumar	
v. 6	Oct 16, 2025 15:14	RAYUDU-ext, Narasimha Kumar	Peer Review Comments
v. 5	Oct 16, 2025 10:14	RAYUDU-ext, Narasimha Kumar	
v. 4	Oct 14, 2025 18:24	RAYUDU-ext, Narasimha Kumar	
v. 3	Oct 14, 2025 18:13	RAYUDU-ext, Narasimha Kumar	
v. 2	Oct 13, 2025 11:13	RAYUDU-ext, Narasimha Kumar	
v. 1	Oct 10, 2025 18:29	RAYUDU-ext, Narasimha Kumar	

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Nov 10, 2025	Actor	Type	Activity	Version
Approved	 MUTHUSAMY-ext, Kunalan	State	changed state to Approved at 3:00 pm (State override) <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	v7
From Oct 16, 2025 to Oct 17, 2025				
Peer Review	 RAYUDU-ext, Narasimha Kumar	Edit	updated the page at 10:14 am	
	 OMER-ext, Mohammed	State	gave <i>Peer Review</i> approval at 9:16 am <i>Peer review completed with some comments</i>	
Oct 15, 2025				
	 RAYUDU-ext, Narasimha Kumar	State	assigned approval <i>Peer Review</i> to  OMER-ext, Mohammed at 5:26 pm	
		State	assigned approval <i>Peer Review</i> to  HASSAN-ext, Shamir at 5:26 pm	
		State	changed expiry date to '19 Oct, 2025 05:26 pm' at 5:26 pm	
		State	changed state to Peer Review at 5:26 pm	v4

From Oct 13, 2025 to Oct 14, 2025

In
Progress



RAYUDU-ext,
Narasimha Kumar

Edit

updated the page at 11:13 am
