

CNV-9111 TRM - Bank guarantee

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Purpose

The purpose of this document is to define the conversion approach to create the Object 9111 - TRM - Bank guarantee in S4HANA.

A Bank Guarantee is an assurance on the part of a bank to make good an organisation's debt in the event of non-payment. Therefore, Bank Guarantee is essentially an agreement to stand as a cosigner on a transaction. In the event that the original party cannot follow through, the bank can be called upon to provide the payment. Till such time a Bank Guarantee is not revoked, it works as a contingent instrument.

In S4HANA, Bank Guarantee in Treasury module is created as an instrument under the relevant Product Type, Transaction Type (Bank Guarantee received or issued), with Treasury Business Partner and the transaction code used to create such instrument is FTR_CREATE.

For the purpose of migrating active Bank Guarantees, issued or received by Syensqo, a custom program using the BAPI "**BAPI_FTR_BG_DEALCREATE**" will be used as the standard LTMC (Data Migration Cockpit) only supports the direct transfer i.e. if the source system is ECC.

Conversion Scope

The scope of this document covers the approach for converting active Bank Guarantees, received or issued with information sourced manually from business as the same is **not used** in source Treasury system (Quantum).

The relevancy criteria is not applicable for this object as the relevant data will be provided by business in a DCT (Data Collection Template).

List of source systems and approximate number of records

Source	Scope	Source Approx No. of Records	Target System	Target Approx No. of Records
DCT	Active Bank Guarantees	160 as of April'26	S4HANA	150 <TBC>

Additional Information

Multi-language Requirement

None

Document Management

None

Legal Requirement

None

Special Requirements

As the conversion involves a source system which is non-SAP, the below area needs special handling:

1. Data relevant for Bank Guarantee migration to sourced manually from Business in a Data Collection Template (DCT)
2. Business team to ensure that only active and in use records for Bank Guarantees are provided in DCT
3. The data as collected via DCT will be stored in the Syniti for Transformation
4. Below Configuration Check Tables needs to be referenced in Syniti to validate the data in the DCT:
 - a. Counterparty to Business Partner - BUT100 to check if the BP is assigned with Role "TR0151"
 - b. Company Code - T001
 - c. Product Type - TZPA
 - d. Transaction Type - AT10
 - e. General Valuation Class - TRGC_COM_VALCL
 - f. Bank Guarantee Type - TLCT_BG_TYPE
5. Amount and date format from source system to align with S4HANA

6. As the target structure in S4HANA involves dependency on various Configuration and BP Master Data objects (CNV 3040), all this data needs to be loaded before Transactions Data loads.

Target Design

For the purpose of migrating active Bank Guarantees as collected in the DCT, issued or received by Syensqo, a custom program using the BAPI "**BAP I_FTR_BG_DEALCREATE**" will be used as the standard LTMC (Data Migration Cockpit) only supports the direct transfer i.e. if the source system is ECC.

This section covers the list of fields that are part of the BAPI and DCT. This section will also explain field by field mapping of the BAPI structure and where the data will come from for each field for the BAPI.

The technical design of the target for this conversion approach.

There are 3 main tables involved as below

1. VTBFHA
2. VTBFHAZU
3. VTBFHAPO

However, unlike other TRM Instruments, Bank Guarantee does not have a direct correlation of BAPI structure to Transparent Tables such as VTBFHA, VTBFHAZU, VTBFHAPO.

The table below serves as the Header (General Data) for table VTBFHA and includes Bank Guarantee data, which updates both VTBFHAZU and VTBFHAPO together upon load via BAPI.

These fields are marked as Utility Fields against the table VTBFHA

Table	Field	Field Description	Data Type	Length	Requirement
VTBFHA	BUKRS	COMPANY_CODE	CHAR	4	This is a Required Field
VTBFHA	RFHA	TRANSACTION NUMBER	CHAR	13	This is Internal Field
VTBFHA	SGSART	PRODUCT_TYPE	CHAR	3	This is a Required Field
VTBFHA	SFHAART	TRANSACTION_TYPE	CHAR	3	This is a Required Field
VTBFHA	KONTRH	PARTNER	CHAR	10	This is a Required Field
VTBFHA	DBLFZ	TERM START	DATS	8	This is a Required Field
VTBFHA	DELFZ	TERM END	DATS	8	This is a Required Field
VTBFHA	WGSCHFT	TRANSACTION CURRENCY	CUKY	5	This is a Required Field
VTBFHA	ZUOND	ASSIGNMENT	CHAR	18	This is Optional Field
VTBFHA	REFER	INTERNAL_REFERENCE	CHAR	16	This is Optional Field
VTBFHA	MERKM	CHARACTERISTICS	CHAR	25	This is a Required Field
VTBFHA	RCOMVALCL	VALUATION_CLASS	NUMC	4	This is a Required Field
VTBFHA	FACILITYNR	FACILITY	CHAR	13	This is Conditional Field, to be used if a Facility is linked to issue of a Bank Guarantee
VTBFHA	FACILITYBUKRS	FACILITY_COMPANY_CODE	CHAR	4	This is Conditional Field, to be used if a Facility is linked to issue of a Bank Guarantee. The field is to be populated with Company Code for which a Facility exists.
VTBFHA	BEHALF_OF_COMPANY	ON BEHALF OF COMPANY	CHAR	4	This is Optional Field
VTBFHA	RCNTR (KOSTL)	COST CENTRE	CHAR	10	This is Optional Field
VTBFH AZU	DVTRAB	CONTRACT DATE	DATS	8	This is a Required Field
VTBFH AZU	BUKRS	COMPANY_CODE	CHAR	4	This is a Required Field
VTBFH AZU	RFHA	TRANSACTION NUMBER	CHAR	13	This is Internal Field
VTBFHA BFU	RDEALER	TRADER	CHAR	12	This is Optional Field
VTBFH AZU	GSPPART	CONTACT PERSON	CHAR	19	This is Conditional Field. To be filled up if Applicant or Beneficiary not filled
		OTC Notice Date	DATS	8	This is Optional Field

VTBFH AZU	NOTICE_DATE				
VTBFH APO	BNWHR	Amount or Balance	CURR	13,2	This is a Required Field
VTBFH APO	BUKRS	COMPANY_CODE	CHAR	4	This is a Required Field
VTBFH APO	RFHA	TRANSACTION NUMBER	CHAR	13	This is Internal Field
Utility Field (VTBFH A)	FTR_BG_NUMBER	BANK_GUARANTEE_NUMBER	CHAR	16	This is a Required Field (In case, the field is not populated by data collector then it can ZUOND value can be copied)
Utility Field (VTBFH A)	FTR_BG_TYPE	BANK_GUARANTEE_TYPE	CHAR	4	This is a Required Field (To be checked against table TLCT_BG_TYPE)
Utility Field (VTBFH A)	FTR_APPLICANT	APPLICANT	CHAR	10	This is Conditional Field. Users to fill an applicant code if Bank Guarantee is received
Utility Field (VTBFH A)	FTR_BENEFICIARY	BENEFICIARY	CHAR	10	This is Conditional Field. Users to fill a beneficiary code if Bank Guarantee is issued
Utility Field (VTBFH A)	FTR_BUTXT	MANUAL_PARTY_COMPANY_NAME	CHAR	25	This is Conditional Field. Users to fill this field with the Company Name in case of no beneficiary/applicant involved
Utility Field (VTBFH A)	FTR_XKONTRH	MANUAL_PARTY_COMPANY_ADDRESS	CHAR	80	This is Conditional Field. Users to fill this field with the Company Name in case of no beneficiary/applicant involved
Utility Field (VTBFH A)	FTR_ADVISING_BANK	ADVISING BANK	CHAR	10	This is optional field
Utility Field (VTBFH A)	EBELN	PURCHASE ORDER	CHAR	10	This is optional field
Utility Field (VTBFH A)	VBELN_VA	SALES ORDER	CHAR	10	This is optional field

The reference between the tables is a combination of Company Code and Transaction Number. This serves as the Primary Key to join the VTBF* tables.

In Addition to this, the field "Characteristics" will represent the Legacy Guarantee/Deal Number and will serve as the reference to trace back to source /legacy data.

The above was with respect to the target design and the tables that will be updated upon load via BAPI. The transformation is explained in the subsequent sections.

Data Cleansing

For the Object 9111 – TRM Bank Guarantees no specific data cleansing is applicable due to below reasons/assumptions:

1. The relevant data source data will be provided/collected by/from Business in a DCT form.

Data- Pre Load Validation Report

However, for the purpose of the Object 9111 – TRM Bank Guarantees, below validations reports should be made available in Syniti so that the DCT Data for Bank Guarantees are validated before generating the pre-load file.

ID	Criticality	Error Message /Report Description	Rule	Output
1	High	Company Code is valid	Check if BUKRS is valid as per Company Codes created in the system in Table T001	Invalid Company Code

2	High	PRODUCT_TYPE	Check if SGSART is valid as per Product Types created in the system in Table TZPA. Value for Bank Guarantee Product Type is "BGR".	Invalid Product Type
3	High	TRANSACTION_TYPE	Check if SFHAART is valid as per Transaction Types created in the system in Table AT10	Invalid Transaction Type
4	High	PARTNER	Check if KONTRH is valid as per Business Partners created in the system and has a role "TR0151" in table BUT100	Invalid Partner
5	High	CONTRACT_DATE	Check if DVTRAB is valid in YYYYMMDD Format and is < or = Load Date	Contract Date greater than Load Date
6	High	VALUATION_CLASS	Check if TPM_COM_VAL_CLASS is valid as per Company Codes created in the system in Table TRGC_COM_VALCL	Invalid Valuation Class
7	High	TERM START	Check if DBLFZ is valid in YYYYMMDD Format and is < or = Contract Date	Term Start greater than or equal to Contract Date
8	High	TERM END	Check if DELFZ is valid in YYYYMMDD Format and is < Start Date	Term End greater than Term Start
9	High	FTR_BG_TYPE	Check if value provided for FTR_BG_TYPE (Bank Guarantee Type) exists in table TLCT_BG_TYPE	Invalid Bank Guarantee Type
10	Low	FACILITYNR	Check if Facility Number (FACILITYNR) is equal to "Blank" if Product Type (SGSART) ="BGR" AND Transaction Type ="ISS"	Facility Number not available Note: This is not a Hard error i.e. transformation can still proceed if this field is not populated
11	Low	FACILITYBUKRS	Check if Facility Company Code (FACILITYBUKRS) is equal to "Blank" if Product Type (SGSART) ="BGR" AND Transaction Type ="ISS"	Facility Company Code not available Note: This is not a Hard error i.e. transformation can still proceed if this field is not populated
12	Low	FTR_APPLICANT	Check if applicant (FTR_APPLICANT) is equal to "Blank" if Product Type (SGSART) ="BGR" AND Transaction Type ="REC"	Applicant is not available Note: This is not a Hard error i.e. transformation can still proceed if this field is not populated
13	Low	FTR_BENEFICIARY	Check if beneficiary (FTR_BENEFICIARY) is equal to "Blank" if Product Type (SGSART) ="BGR" AND Transaction Type ="ISS"	Beneficiary is not available Note: This is not a Hard error i.e. transformation can still proceed if this field is not populated
14	High	Pre Load Report	A preload report in the DCT format to be made available with all relevant errors, if any. Show the record as Ok if no error found.	Preload report in the DCT Format

Conversion Process

The generic high-level process steps for the conversion are as below:

1. Extraction:
 - a. Extract from the source systems: Apply the selection parameters and data relevancy as mentioned in this specification, from the relevant tables
 - b. DCT: The DCT to be prepared if the data to be transformed and is part of the load file is not available in the Source system
2. Transform
 - a. Transform fields by applying the fields and value mapping in the Syniti
 - b. Generate and validate Pre-load files
3. Load
 - a. Load the validated Pre-load file using SAP's LTMC or the custom upload program as applicable.

However, with respect to object 9111- TRM Bank Guarantees, DCT will be used for transformation and generation of the pre-load file.

Data Privacy and Sensitivity

Not Applicable

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.

However, with respect to object 9111- TRM Bank Guarantees, DCT will be used for transformation and generation of the pre-load file and hence no extraction is needed.

Selection Screen

Not applicable as the extraction is not relevant due to source data to be gathered via DCT.

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.

9111- TRM Bank Guarantee DCT Rules

Field Name	Field Description	Data Type	Length	Rule
BUKRS	COMPANY_CODE	CHAR	4	This is a Required field. This data will be captured by business. It is the Company Code for which a Bank Guarantee is to be created. In DCT, S4HANA number to be populated based upon the list of Company Codes. Drop-down values as per T001
SGSART	PRODUCT_TYPE	CHAR	3	This is a Required field. This data will be captured by business. It is the Product Type relevant for Bank Guarantee. In DCT, the Drop-Down value will "BGR"
SFHAART	TRANSACTION_TYPE	CHAR	3	This is a Required field. This data will be captured by business. It is the Transaction Type that describes the nature of the Bank Guarantee In DCT, Dropdown values to be created "ISS" (for Issue) "REC" (For Received)
KONTRH	PARTNER	CHAR	20	This is a Required field. This data will be captured by business for Counterparties. A validation is needed to check the BP number captured in the DCT is valid one and is present as per CNV 3040 - Business Partner Counterparty. "BP Number"- No dropdown needed.
DVTRAB	CONTRACT_DATE	DATS	8	This is a Required field. Date format is YYYYMMDD. Validation needed. Refer Validation Report Section. Example: 99991231
DBLFZ	Term Start	DATS	8	This is a Required Field Date format is YYYYMMDD. Start Term Date will always be LESS Than or Equal to Load Date. This check needs to be implemented as part of Preload Validation. Example: If load date is 20260401 and date in DCT is 20260501, then the Validation Check should fail this record.
DELFZ	Term End	DATS	8	This is a Required Field Date format is YYYYMMDD. End Term will always be Greater Than the Load Date. This check needs to be implemented. Example: If load date is 20260401 and date in DCT is 20250401, then the Validation Check should fail this record.
ZUOND	ASSIGNMENT	CHAR	18	This is an Optional field. This is a freely maintainable field to capture additional data for the Bank Guarantee. It is proposed to use this field to store the existing Bank Guarantee Number. No validations needed for this field.
REFER	INTERNAL_REFERENCE	CHAR	16	This is an Optional field. This is a freely maintainable field to capture additional data for the Bank Guarantee. No validations needed for this field.
MERKM	CHARACTERISTICS	CHAR	25	

				This is a Required field. This field will be populated with the Legacy Bank Guarantee Information
RCOMVALCL	VALUATION_CLASS	CHAR	4	This is a Required field. This data will be captured by business. Valuation Class is used for classification of an instrument as Long or Short Term In DCT, S4HANA GVC number needs to be populated based upon the list of GVC's configured in the system in table "TRGC_COM_VALCL". This list needs to be provided to the Business Team by the functional team.
WGSCHFT	Transaction Currency	CUKY	5	This is a Required Field This data will be captured by business. It is the Currency in which a Bank Guarantee is issued or received Drop Down Values from table "TCURC"
FACILITYNR	FACILITY	CHAR	13	This is Conditional Field, to be used if a Facility is linked to issue of a Bank Guarantee. Note: this will be dependent upon creation of the Facilities via the object 9113- TRM - Facility
FACILITYBKRS	FACILITY_COMPANY_CODE	CHAR	4	This is Conditional Field, to be used if a Facility is linked to issue of a Bank Guarantee. The field is to be populated with Company Code for which a Facility exists. Note: this will be dependent upon creation of the Facilities via the object 9113- TRM - Facility
BEHALF_OF_COMPANY	ON BEHALF OF COMPANY	CHAR	4	This is Optional Field To be populated with the S4HANA Company Code for which a Bank Guarantee is issued as "On Behalf of"
RCNTR (KOSTL)	COST CENTRE	CHAR	10	This is Optional Field To be input only if needed for reporting.
RDEALER	TRADER	CHAR	10	This is Optional Field. Keep Blank as Trader function is not in use.
GSPPART	CONTACT PERSON	CHAR	19	This is Conditional Field. To be filled up if Applicant or Beneficiary not filled The information can be filled as Free Text up to 19 Characters.
NOTICE_DATE	OTC Notice Date	DATS	8	This is Optional Field Fill with a Notice Date if applicable.
BNWHR	Amount or Balance	CURR	13	This is a Required Field To be filled with the Bank Guarantee amount.
FTR_BG_NUMBER	BANK_GUARANTEE_NUMBER	CHAR	16	This is a Required Field (Can be same Assignment)
FTR_BG_TYPE	BANK_GUARANTEE_TYPE	CHAR	4	This is a Required Field Enter the Bank Guarantee Type. The list of the bank guarantee type will be provided to the Business Team responsible for creating the source data. This is to be validated against table TLCT_BG_TYPE
FTR_APPLICANT	APPLICANT	CHAR	10	This is Conditional Field. Users to fill an applicant code if Bank Guarantee is received The applicant code is a Partner with the Counterparty Role
FTR_BENEFICIARY	BENEFICIARY	CHAR	10	This is Conditional Field. Users to fill a beneficiary code if Bank Guarantee is issued The applicant code is a Partner with the Counterparty Role
FTR_BUTXT	MANUAL_PARTY_COMPANY_NAME	CHAR	25	This is Conditional Field. Users to fill this field with the Company Name (as free text) in case of no beneficiary/applicant involved
FTR_XKONTRH	MANUAL_PARTY_COMPANY_ADDRESS	CHAR	80	This is Conditional Field.

				Users to fill this field with the Company Address (as free text) in case of no beneficiary/applicant involved
FTR_ADV SING_BANK	ADVISING BANK	CHAR	10	This is optional field Users to fill this field if advising bank information is available.
EBELN	PURCHASE ORDER	CHAR	10	This is optional field Users to fill this field if purchase order information is available against which a Bank Guarantee is received.
VBELN_VA	SALES ORDER	CHAR	10	This is optional field Users to fill this field if sales order information is available against which a Bank Guarantee is issued.

Extraction Dependencies

For object 9111 - TRM Bank Guarantees dependencies are applicable as under

Item #	Step Description	Team Responsible
01	TRM Business Partners with role 000000 and TR0151 have been created	Data Team/Functional Treasury Team
02	Treasury Configuration as designed is available in the relevant configuration tables such as: 1. Company Code - T001 2. Product Type - TZPA 3. Transaction Type - AT10 4. General Valuation Class - TRGC_COM_VALCL 5. Bank Guarantee Type - TLCT_BG_TYPE	Functional Treasury Team

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	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into Syniti	Data team
2	Ensure that signed off value mappings have been maintained in the Syniti	Syniti team
3	Confirm the value mappings as maintained in the Syniti	Data team
4	Ensure that Signed off CONSTRUCT from business has been received and maintained in Syniti	Syniti/Data team
5	Execute transformation for the object	Syniti team
6	Monitor the transformation progress and ensure performance and completion is within allowed timeframe	Syniti/Data team
7.	Generate Pre-Load reports.	Syniti team
8.	Generate data load count.	Syniti team
9.	Log errors as defects, if any and address resolutions. Close defects.	Syniti/Data team
10.	Re-transform and re-validate the Pre-load reports if necessary.	Syniti/Data team
11.	Validate the transformed file as part of pre-load validation, raise data defects or provide the pre-load sign-off.	Business
12.	Analyse and resolve any pre-load defects logged by business.	Syniti/Data team
13.	Repeat steps 5 to 11 if necessary	Syniti/Data team

14.	Proceed to pre-load validations	Data team
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Transformation Rules

Rule #	Source system	Source Table	Source Field	Source Description	Target System	Target Table	Target Field	Target Description	Transformation Logic
01	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	BUKRS	COMPANY_CODE	From DCT field "BUKRS"
02	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	RFHA	TRANSACTION NUMBER	Internal Field generated by SAP. Note Copy field MERKM field in DCT to ZLEGACYRFHA
03	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	SGSART	PRODUCT_TYPE	From DCT field "SGSART"
04	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	SFHAART	TRANSACTION_TYPE	From DCT field "SFHAART"
05	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	KONTRH	PARTNER	From DCT field "KONTRH" Step 1 - Compare the BP Number in the DCT with BP XREFF - BPEXT field Step 2 - Find the BP Number for the match BP XREFF - PARTNER Field Step 3 - Pass the BP Number fetched from BP XREFF in table BUT100 to check if Role "TR0151" is assigned to the BP Step 4 - If the condition matches, then replace the BP Number in the DCT field VTBFHA - KONTRH
06	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	DBLFZ	Term Start	From DCT field "DBLFZ"
07	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	DELFZ	Term End	From DCT field "DELFZ"
09	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	WGSCHFT	Transaction Currency	From DCT field "WGSCHFT"
10	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	ZUOND	ASSIGNMENT	From DCT field "ZUOND" or "FTR_BG_NUMBER"
11	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	REFER	INTERNAL_REFERENCE	From DCT field "REFER"
12	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	MERKM	CHARACTERISTICS	From DCT field "MERKM"
13	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	RCOMVALCL	VALUATION_CLASS	From DCT field "RCOMVALCL"
14	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FACILITYNR	FACILITY	From DCT field "FACILITYNR"
15	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FACILITYBUKRS	FACILITY_COMPANY_CODE	From DCT field "FACILITYBUKRS"
16	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	BEHALF_OF_COMPANY	ON BEHALF OF COMPANY	From DCT field "BEHALF_OF_COMPANY"
17	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	RCNTR (KOSTL)	COST CENTRE	From DCT field "RCNTR"
18	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	DVTRAB	CONTRACT DATE	From DCT field "DVTRAB"
19	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	RDEALER	TRADER	From DCT field "RDEALER" or blank
20	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	GSPPART	CONTACT PERSON	From DCT field "GSPPART" or blank
21	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	NOTICE_DATE	OTC Notice Date	From DCT field "NOTICE_DATE"
22	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	BNWHR	Amount or Balance	From DCT field "BNWHR"
23	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_BG_NUMBER	BANK_GUARANTEE_NUMBER	From DCT Field "FTR_BG_NUMBER"
24	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_BG_TYPE	BANK_GUARANTEE_TYPE	From DCT Field "FTR_BG_TYPE"
25	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_APPlicant	APPLICANT	From DCT Field "FTR_APPLICANT" or blank
26	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_BENEFICIARY	BENEFICIARY	From DCT Field "FTR_BENEFICIARY" or blank
27	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_BUTXT	MANUAL_PARTY_COMPANY_NAME	From DCT Field "FTR_BUTXT" or blank
28	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHA	FTR_XKONTRH	MANUAL_PARTY_COMPANY_ADDRESS	From DCT Field "FTR_XKONTRH" or blank

29	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHAPO	FTR_ADVISING_BANK	ADVISING BANK	From DCT Field "FTR_ADVISING_BANK " or blank
30	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHAPO	EBELN	PURCHASE ORDER	From DCT Field "EBELN" or blank
31	NA	NA	NA	CONSTRUCT	S4HANA	VTBFHAPO	VBELN_VA	SALES ORDER	From DCT Field "VBELN_VA " or blank

Transformation Mapping

Mapping Table Name	Mapping Table Description
Business Partner	Mapping Table for Quantum counterparty/partner code to S4HANA Business Partner

Transformation Dependencies

List the steps that need to occur before transformation can commence

Item #	Step Description	Team Responsible
1	Ensure all the fields that require value mapping, as stipulated Mapping tables, have the latest signed-off mapping files imported into Syniti	Data team
2	Ensure that signed off value mappings have been maintained in the Syniti	Syniti team
3	Confirm the value mappings as maintained in the Syniti	Data team
4	Ensure that Signed off DCT from business has been received and maintained in Syniti	Syniti/Data team
5	Confirm on the extracted values	Syniti, Data and business

Pre-Load Validation

Project Team

The Pre Load validations are performed by Project Team

Completeness

Task	Action
Generation of Pre-load reports	<u>Mandatory field check.</u> - Company Code for which Bank Guarantee is being created is part of the scope - The business partner is in the Counterparty role - TR0151 - Product Type, Transaction Type, General Valuation Class and Bank Guarantee Type are matching the configuration check tables - The validity end date of the Bank Guarantee in the Pre-load file is not prior to cutover/go-live date - All other fields marked as Mandatory are not kept blank in the DCT File
Record Count	<u>Record Count</u> Confirm the record counts in preload summary report - Total Records: - Valid Records: - Invalid Records
Business Confirmation	Data team after the initial validation of pre-load validation based on the pre agreed validation checklist To send the pre-load file to the Business Representatives. Business Representatives to validate the pre-load file. Agree with data team on the next steps for erroneous records.

Accuracy

Task	Action
Mandatory field mapping and transformation	Obtain a list of the fields to be populated with values from mapping files and ensure all these fields contain S/4HANA values. Company Code, Product Type, Transaction Type,, General Valuation Class, Bank Guarantee Type in the DCT is matching with the Check Tables provided
Business Value Checks	All dates, Amount etc, for the Bank Guarantee are accurately populated in the pre-load file and are as per the DCT.
Records in Errors	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

The following pre-load validations will be performed by business.

Completeness

Task	Action
Check Data load register count	Business Data Owner/s to verify that the total number of relevant records to be converted as per DCT is equal to the total number of records in the Preload file.
Key Fields Check	Business to check some key fields such as validity end date, Start an End Date, Amount etc., are correctly populated against the DCT

Accuracy

Task	Action
Conversion accuracy	To check and validate the load files with all the transformation and mapping rules, to be signed off.

Load

In case of object 9111- TRM- Bank Guarantee, the standard LTMC (Migration Object: **S4_FI_TRM_BANK_GUARANTEE**) only supports the direct transfer i.e. the source data is directly sourced from ECC, transformed and loaded.

As the source system here is not ECC and the transformation is based on the DCT, a custom load program using the BAPI **BAPI_FTR_BG_DEALCR EATE** will be used for load.

BAPI Data Structure for BAPI_FTR_BG_DEALCREATE

Target Table Structure	Target Field	Target Description	Transformation Logic
BAPI_FTR_BG_DEALCREATE	BUKRS	COMPANY_CODE	From DCT field "BUKRS"
BAPI_FTR_BG_DEALCREATE	VVSART	PRODUCT_TYPE	From DCT field "SGSART"
BAPI_FTR_BG_DEALCREATE	TB_SFHAART	TRANSACTION_TYPE	From DCT field "SFHAART"
BAPI_FTR_BG_DEALCREATE	TB_KUNNR_NEW	PARTNER	From DCT field "KONTRH"
BAPI_FTR_BG_DEALCREATE	TB_DVTRAB	CONTRACT_DATE	From DCT field "DVTRAB"
BAPI_FTR_BG_DEALCREATE	TB_TVTRAB	CONTRACT_TIME	System Time at the time of Data Load
BAPI_FTR_BG_DEALCREATE	TB_ZUOND	ASSIGNMENT	From DCT field "ZUOND"
BAPI_FTR_BG_DEALCREATE	TB_REFER	INTERNAL_REFERENCE	From DCT field "REFER"
BAPI_FTR_BG_DEALCREATE	TB_MERKM	CHARACTERISTICS	From DCT field "MERKM"

BAPI_FTR_BG_DEALCREATE	TB_DCRDAT	ENTRY_DATE	Date on which the data is getting loaded.
BAPI_FTR_BG_DEALCREATE	TPM_COM_VAL_CLASS	VALUATION_CLASS	From DCT field "RCOMVALCL"
BAPI_FTR_BG_DEALCREATE	CURRENCY	Transaction Currency	From DCT field "WGSCHFT"
BAPI_FTR_BG_DEALCREATE	CURRENCY_ISO	ISO currency code	From DCT field "WGSCHFT"
BAPI_FTR_BG_DEALCREATE	START_TERM	Term Start	From DCT field "DBLFZ"
BAPI_FTR_BG_DEALCREATE	END_TERM	Term End	From DCT field "DELFZ"
BAPI_FTR_BG_DEALCREATE	NOMINAL_AMOUNT	Amount or Balance	From DCT field "BNWHR"
BAPI_FTR_BG_DEALCREATE	FACILITYNR	FACILITY	From DCT field "FACILITYNR"
BAPI_FTR_BG_DEALCREATE	FACILITYBUKRS	FACILITY_COMPANY_CODE	From DCT field "FACILITYBUKRS"
BAPI_FTR_BG_DEALCREATE	BEHALF_OF_COMPANY	ON BEHALF OF COMPANY	From DCT field "BEHALF_OF_COMPANY"
BAPI_FTR_BG_DEALCREATE	RCNTR (KOSTL)	COST CENTRE	From DCT field "RCNTR"
BAPI_FTR_BG_DEALCREATE	RDEALER	TRADER	From DCT field "RDEALER" or blank
BAPI_FTR_BG_DEALCREATE	GSPPART	CONTACT PERSON	From DCT field "GSPPART" or blank
BAPI_FTR_BG_DEALCREATE	NOTICE_DATE	OTC Notice Date	From DCT field "NOTICE_DATE"
BAPI_FTR_BG_DEALCREATE	BNWHR	Amount or Balance	From DCT field "BNWHR"
BAPI_FTR_BG_DEALCREATE	FTR_BG_NUMBER	BANK_GUARANTEE_NUMBER	From DCT Field "FTR_BG_NUMBER"
BAPI_FTR_BG_DEALCREATE	FTR_BG_TYPE	BANK_GUARANTEE_TYPE	From DCT Field "FTR_BG_TYPE"
BAPI_FTR_BG_DEALCREATE	FTR_APPLICANT	APPLICANT	From DCT Field "FTR_APPLICANT" or blank
BAPI_FTR_BG_DEALCREATE	FTR_BENEFICIARY	BENEFICIARY	From DCT Field "FTR_BENEFICIARY" or blank
BAPI_FTR_BG_DEALCREATE	FTR_BUTXT	MANUAL_PARTY_COMPANY_NAME	From DCT Field "FTR_BUTXT" or blank
BAPI_FTR_BG_DEALCREATE	FTR_XKONTRH	MANUAL_PARTY_COMPANY_ADDRESS	From DCT Field "FTR_XKONTRH" or blank
BAPI_FTR_BG_DEALCREATE	FTR_ADVISING_BANK	ADVISING BANK	From DCT Field "FTR_ADVISING_BANK " or blank
BAPI_FTR_BG_DEALCREATE	EBELN	PURCHASE ORDER	From DCT Field "EBELN" or blank
BAPI_FTR_BG_DEALCREATE	VBELN_VA	SALES ORDER	From DCT Field "VBELN_VA " or blank

This BAPI has a simulation run provision. As part of the pre-load check when all the Syniti ADMM checks are performed, before making the production run of all the Bank Guarantee loads, a simulation run should be performed, and all the standard BAPI errors needs to be documented and resolved.

A custom report, if required needs to be created for this. The report needs to have row reference and display the standard BAPI return messages successful as well as failed. This will make sure all the Bank Guarantees as per load file successfully pass all checks.

The load process includes:

1. Execute the automated data load into target system using the program based on "BAPI_FTR_BG_DEALCREATE" and use the DCT File vs structure section of this document to populate the BAPI details.
2. Once the data is loaded to the target system, it will be extracted and prepared for Post Load Data Validation with side by side check of each fields in scope of the objects with fields to be displayed as XXXX_ECC, XXXX_S4HANA, XXXX_MATCH (As TRUE or FALSE) with an additional column denoting fields not matching and status of loading in S/4HANA as LOADED_IN_S4HANA (As TRUE or FALSE)

Load Run Sheet

Item #	Step Description	Team Responsible
01	Go to load file and pick 5 data records, load manually without any tool. See what happens. If all okay, proceed with the next step.	Data team
02	Go to load file and pick 10 records and load them with the tool. No action if the previous step has fallen. If not, then continue to load 10 records with the tool. Check if everything went okay.	Data team
03	Proceed with the full load if steps one and two were succeed else fix the issue with records	Data team
04	Validate few records loaded by accessing standard transactions from S/4HNA e.g. FTR_EDIT or check in the tables - VTBFHA, VTBFHAZU or VTBFHAPO	Data team
05	Generate post load report if step 5 is validated	Data team
06	Log errors as defects, if any and address resolutions. Close defects.	Data team
07	Resolve defects by reupload and re-generate post load reports if necessary.	Data team

08	Business to validate the post load files as part of post-load validation, raise data defects or provide the post-load sign-off.	Business
09	Repeat steps 1 to 5 if necessary.	Data team

Post Process:

It is suggested to do a settlement of the Bank Guarantees after successful post load verification. This can be done by the business.

Load Phase and Dependencies

The load phase for the object 9111-Treasury Bank Guarantees is **Cutover Phase 5**

Configuration

Below configurations should exist prior to the load.

Item #	Configuration Item
01	Company Codes relevant for Treasury- Field BUKRS (Check Table: T001)
02	Product Category- Field SANLF (Check Table: TZAF)
03	Product Type- Field SGSART (Check Table: TZPA)
04	Financial Transaction Types- Field SFHAART (Check Table: AT10)
05	General Valuation Class - Check Table: TRGC_COM_VALCL
06	Bank Guarantee Type - Check Table: TLCT_BG_TYPE

Conversion Objects

Object #	Preceding Object Conversion Approach
CNV-3007	Business Partner - General Role
CNV-1083	Bank Master
CNV-3040	Business Partner - Treasury
CNV-3042	Business Partner Bank - TR0703
CNV- 9113	TRM- Facilities

Error Handling

The table below depicts some possible system errors for this data object during data load. All data load error is to be logged as defect and managed within the Defect Management

Error Type	Error Description	Action Taken
Valid Master	Business Partner is not having a valid treasury role i.e. TR0151	Ensure that Business Partner is updated with correct role
Invalid Company Code	Company Code in the DCT is invalid based on the check table T001	Ensure correct Company Code is supplied to the BAPI
Invalid Product Type	Product Type in the DCT is invalid based on the check table TZPA	Ensure correct Product Type is supplied to the BAPI
Invalid Transaction Type	Transaction Type in the DCT is invalid based on the check table AT10	Ensure correct Transaction Type is supplied to the BAPI
Invalid Bank Guarantee Type	Bang Guarantee type in the DCT is based on the check table TLCT_BG_TYPE	Ensure correct Bank Guarantee type is supplied to the BAPI
Invalid Valuation Class	Valuation Class in the DCT is based on the check table TRGC_COM_VALCL	Ensure correct Valuation Class is supplied to the BAPI

Post-Load Validation

Project Team

The following post load validations will be done by Project Team

Completeness

Task	Action
Reconciliation of Record Count	<u>Record Count</u> - Count and check how many records were loaded vs. Records in the load file (Each mock has it's own data record count) Check for logs from Load and fix erroneous records, if any. To check the records loaded, a variant will be created in standard SAP report "FTR_00". We can take a dump from this standard report to verify all the relevant information as part of the load.

Accuracy

Task	Action
Check values in key fields for accuracy	Post-load reports will have the same structure as the load file and some additional columns as required to facilitate the post load validation. Leverage on tool to create a Post Load report that reports S/4HANA loaded records along with the legacy values side-by-side to allow for 100% check of all these fields in the shortest possible time. <u>Any</u> mismatch will be reported under the Post Load - Error report.

Business

The following post load validations will be done by business.

Completeness

Task	Action
Record Count Check	Review the record count report from the Data Team and ensure it is correct by cross-checking with the record count confirmed during Pre-load Business Validations Business may also run transaction code FTR_EDIT or FTR_DISPLAY to cross check the records created for Bank Guarantees

Accuracy

Task	Action
Field Checks	Check key fields to ensure that Bank Guarantees has been maintained with proper details such as • Bank Guarantees amount • Bank Guarantees start and end date

Key Assumptions

- Base Master Data Standard supporting this transaction load is up to date as on the date of documenting this conversion approach and data load.
- 9111 - TRM- Bank Guarantees is in scope based on data design and any exception requested by business.
- The data relevant for migration of Bank Guarantees will be provided by business
- The beneficiary/applicants if applicable will be available after the Treasury Business Partner loads and no value mapping will be needed

See also

- CNV-3007 - Business Partner - General - [CNV-3007 Business Partners - General \(Role 000000\) - SyWay Project - Syensqo - Wiki knowledge base](#)
 CNV-3040 - Business Partner - Counterparties - [CNV-3040 Business Partner Counterparty - SyWay Project - Syensqo - Wiki knowledge base](#)
 CNV-3042 - Business Partner - Banks - [CNV-3042 Business Partner Bank - TR0703 - SyWay Project - Syensqo - Wiki knowledge base](#)
 CNV-1083- Bank Master - [CNV-1083 Bank Master - SyWay Project - Syensqo - Wiki knowledge base](#)
 CNV-9113 - TRM- Facilities - [CNV-9113 TRM - Facilities - SyWay Project - Syensqo - Wiki knowledge base](#)

Change log

Version	Published	Changed By	Comment
CURRENT (v. 20)	Apr 23, 2026 06:04	BAJAJ-ext, Manoj	
v. 19	Apr 22, 2026 11:19	BAJAJ-ext, Manoj	
v. 18	Apr 22, 2026 10:51	BAJAJ-ext, Manoj	
v. 17	Apr 20, 2026 10:16	PILLAY-ext, Lawrence	
v. 16	Apr 20, 2026 10:12	BAJAJ-ext, Manoj	
v. 15	Apr 20, 2026 10:11	BAJAJ-ext, Manoj	
v. 14	Apr 20, 2026 10:09	BAJAJ-ext, Manoj	
v. 13	Apr 20, 2026 06:43	BAJAJ-ext, Manoj	
v. 12	Apr 17, 2026 10:26	BAJAJ-ext, Manoj	
v. 11	Apr 17, 2026 10:24	BAJAJ-ext, Manoj	

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Workflow history

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

Apr 28, 2026	Actor	Type	Activity	Version
Approved	 TAN-ext, Charmaine	State	changed state to Approved at 7:33 am (State override) <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	v20
Lead Approval	 TAN-ext, Charmaine	State	gave <i>Minor change</i> approval at 7:33 am <i>[PMO Comments] Conversion Spec completed as per CS register and functional review completed</i>	
Apr 23, 2026	 GARCIA-ext,	State	changed expiry date to '30 Apr, 2026 09:09 am' at 9:09 am	

Angel Luis		State	changed state to Lead Approval at 9:09 am	v20
Tech Review		State	gave <i>Syniti Team Review</i> approval at 9:09 am	
	GARCIA-ext, Angel Luis			
From Apr 22, 2026 to Apr 23, 2026				
		Edit	updated the page at 10:51 am	
	BAJAJ-ext, Manoj			