

BW OTC - GTS

- General presentation
 - Objective of the application
 - History
- Roles & Access
 - Roles and access
 - Authorization objects
- Dataflow overview
 - GTS - Customs Document (MPR_GTS01)
 - GTS Product Compliance (IFS_PR92)
 - Sales Order x Classification (CPSDGT01)
 - Trade Compliance (CPSDGT02)
 - Locked Partners (CPSDGT03)
 - GTS Licenses (CPSDGT04)
 - Functional and Technical rules on Workbench + Reporting
 - Rules & Explanations
 - Dependencies with other applications
- Data loadings
 - Info providers and objects loaded
 - Loading frequency
 - Average performance
 - Record Keeping
- Reporting
 - Queries End User Documentation
 - Main queries
 - Main functionalities
 - Broadcast
- Maintenance
 - Known bugs
 - Recurring procedure
- DataSource for Customs Documents
 - Technical Data
 - Prerequisites
 - Integration
 - Delta Update
 - Extractor Logic
 - Planned Evolution

General presentation

Objective of the application

Tool Leader + IT leader of the application:

With SAP Global Trade Services (SAP GTS), you can manage all the complexities of international trade including full regulatory compliance, electronic communication with customs authorities, and risk mitigation, while importing and exporting on a global basis. Business Content for SAP GTS enables you to analyze your import and export transactions and perform strategic reporting for the following areas:

- SAP Customs Management: 'Customs Processing' Service
- SAP Customs Management: 'Transit Procedure' Service
- SAP Risk Management: 'Preference Processing' Service
- SAP Risk Management: 'Restitution Handling' Service
- SAP Compliance Management: 'Import Legal Control' Service
- SAP Compliance Management: 'Export Legal Control' Service.

History

A large amount of transaction data and master data is available in SAP GTS. A selection of the data is extracted into SAP Business Information Warehouse (SAP BW) and evaluated there. The data flows for transaction data that is extracted from the customs documents which are created in SAP GTS are as follows:

The following functions are available:

- Data extraction for strategic reporting for customs processing, transit procedure, preference processing, restitution handling and legal controls on imports and exports.
- Strategic reporting for customs processing
- Strategic reporting for preference processing
- Strategic reporting for restitution handling
- Strategic reporting for import legal control
- Strategic reporting for export legal control.

Using the following reports that are available, you can evaluate and analyze data for any of the services you use in SAP GTS from main tcode /SAPSLLMENU_LEGAL:

The screenshot displays the SAP Global Trade Services (GTS) menu. It is organized into four main sections, each with a list of reports:

- Compliance Management**
 - Sanctioned Party List Screening
 - Legal Control - Import
 - Legal Control - Export
 - Classification / Master Data
- Customs Management**
 - Export
 - Import
 - Monitoring for Inventory-Managed Customs Procedures
 - Control of Goods Movements Subject to Excise Duty
 - Classification
 - Master Data
- Risk Management**
 - Preference Processing
 - Preference Processing - Master Data
 - Restitution
 - Restitution - Master Data
 - Letter of Credit Processing
- Electronic Compliance Reporting**
 - Intrastat
 - Commodity Codes / Classification
 - Master Data

The right side of the screenshot shows a background image of a port with several large gantry cranes. At the bottom right, there is a navigation bar with the SAP logo and the text: >> | WGP (1) 400 | wgsapr3 | C

Import

- Imports by product
- Imports by country
- Import analysis
- Imports by office of entry or destination
- Comparison of imports between transit and customs processing document items

Export

- Exports by product
- Exports by country
- Export analysis
- Export by customs office
- Comparison of exports between transit and customs document items

The SAP papers indicate the main processes by the standard datasources 0SLL_CD_1 and 0SLL_CD_2. However because we have specific requisites in Solvay, the project team recreated the compliance management process (0SLL_CD_2) in the generic function module datasource DTS_SLL_CD_2 (function module Z_BW_GET_CD_2).

- For the data extraction and strategic reporting for SAP Customs Management and SAP Risk Management, the data flow is as follows: DataSource 0SLL_CD_1 ODS Object 0SLL_DS01 InfoCube 0SLL_C01
- For the data extraction and strategic reporting for SAP Compliance Management, the data flow is as follows: DataSource 0SLL_CD_2 ODS Object 0SLL_DS02 InfoCube 0SLL_C02

[blocked URL](#) Note

End of the note.

Starting from:

```

SELECT DISTINCT
h~corder AS cdnum
h~coyear AS cdyea
i ~itvsy AS cditn
h~indei AS indei
h~crtsp AS crtsp
h~chtsp AS chtsp
h~guid_cuhd AS guid_cuhd
i ~guid_cuit AS guid_cuit
i ~ctydp AS ctydp
i ~ctyar AS ctyar
i ~ctypl AS ctypl
i ~ctyiv AS ctyiv
h~cuhda AS cuhda
i ~cuita AS cuita
i ~quant_fit AS quand
i ~quaum AS quaud
i ~weigro_fit AS weigro_fit
i ~weinet_fit AS weinet_fit
i ~weidim AS weidim
f~partner AS ftorg
i ~netval_fit AS ntval
i ~ntcur AS ntcurl
FROM
/sapsll/cuhd AS h "Customs Document: Header

LEFT JOIN /sapsll/cuit AS i "Customs Document: Item
ON h~mandt = i ~mandt
AND h~guid_cuhd = i ~guid_cuhd

LEFT JOIN /sapsll/cuhddat AS d "GTS: Customs Document: Header Dates
ON h~mandt = d~mandt
AND d~mobjt = 'O'
AND h~guid_cuhd = d~guid_mobj

LEFT OUTER JOIN but000 AS f "Business Partner: General data
ON h~mandt = f~ client
AND h~guid_ftorg = f~partner_guid

WHERE ( h~crtsp IN g_r_crtsp
OR h~chtsp IN g_r_crtsp ) " FD 41031
AND h~corder IN g_r_corder
AND h~cdtyp IN (space, 'A', 'C' )
AND h~cuhda IN g_r_cuhda.

```

- All other DataSources for master data extraction from SAP GTS to SAP BW have the type direct update.

Roles & Access

Roles and access

The GTS objects are under SCMS layer by the roles:

Role Code	Role Description	Explanation
ZR_RCS_CA_M49	SD - Sales and Distribution	Role menu

Authorization objects

List of autorisation objects mandatory for the application.

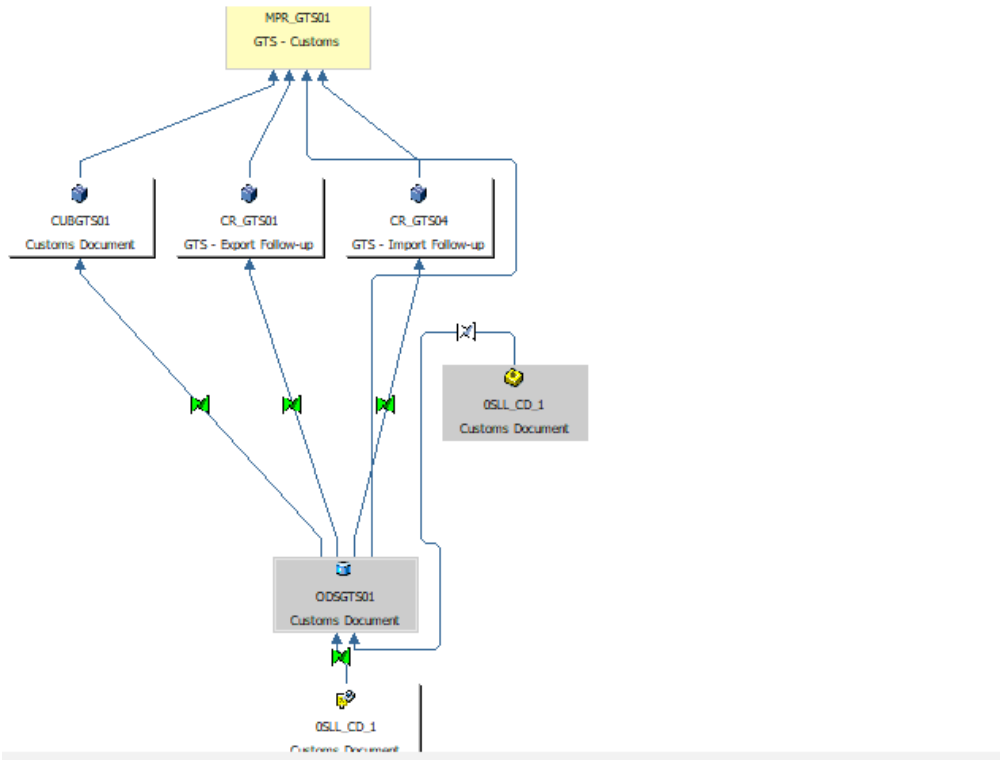
Authorization object	Explanation
ZR_SD_CA_P05	Global Business Unit (CPFCTR1_2)
ZR_TOUT_CA_P01	Company Code (C_COMPCODE)

Dataflow overview

GTS - Customs Document (MPR_GTS01)

Flow to control imports and exports from standard datasource 0SLL_CD_1 (no specific business rules applied in this flow).

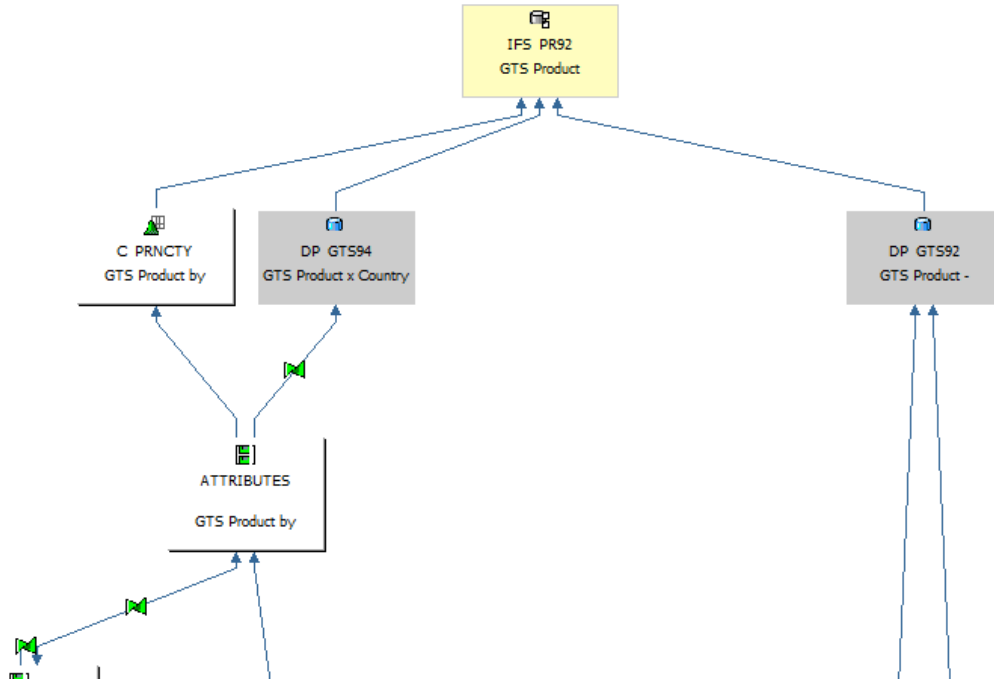
Data Flow Display for MultiProvider MPR_GTS01



GTS Product Compliance (IFS_PR92)

Flow to control the compliance over the existent products.

Data Flow Display for InfoSet IFS_PR92



C_PRNCTY - GTS Product by Country

Master data to convert the external combination of product number and country in the corresponding objects in SAP code.

Source material plant (c_matpnt2) and DTS_PROD_EXTN (material extension)

Transformation: RSDS DTS_PROD_EXTN PF1_020 -> IOBJ C_PRNCTY

Source: Material Extension (DTS_PROD_EXTN)

Target: GTS Product by Country (C_PRNCTY)

Version: Active

Active Version: Executable

Pos	Key	Field	Descript.	Data t	Length
1		MATNR	Material	CHAR	000018
2		MTART	Matl Type	CHAR	000004
3		WERKS	Plant	CHAR	000004
4		LAND1	Country	CHAR	000003
5		UDATE	Date	DATS	000008
6		FLAG	C or E	CHAR	000001
7		BUKRS	CoCode	CHAR	000004

Rule	Rule Name	Pos	Key	InfoObject	Icon	Descript.
	OCOUNTRY	1		OCOUNTRY		Country key
	end routine	2		C_PRNCTY		GTS Product by Country
	OLOGSYS	3		OLOGSYS		Source System
	C_MATNR2	4		C_MATNR2		Material
	OCREATEDON	5		OCREATEDON		Date on which the record was created
	C_PROD	6		C_PROD		Commercial Product / Material Group
	CPFCTR_1_2	7		CPFCTR_1_2		BFC Global Business Unit
	end routine	8		C_ZONE		BFC Geographie/Zone
	OSLL_FTORG	9		OSLL_FTORG		Foreign Trade Organizational Unit
	OMATL_TYPE	10		OMATL_TYPE		Material type
	C_PLANT	11		C_PLANT		Plant

DP_GTS92 - GTS Product - Compliance

Daily full reload to assign the corresponding legal regulation according to the combination of product and country from plant.

The source DTS_PROD_LEG takes into account the assignments done at level of product x compliance and the other one DTS_PROD_LEG2 is used by a view linked to compliance x classification of the products.

Transformation: RSDS DTS_PROD_LEG WGPCLNT400 -> ODSO DP_GTS92

Source: GTS Product - Compliance (DTS_PROD_LEG)
 Target: GTS Product - Compliance (DP_GTS92)
 Version: Active

Pos	Key	Field	InfoObject	Co	Descript.
1		GUID_PR	GUID 16	RAW	000016
2		PRNUM	Int. Prod. No.	CHAR	000020
3		ERNAM	Created By	CHAR	000012
4		CRTSP	Created On	DEC	000015
5		AENAM	Changed By	CHAR	000012
6		CHTSP	Changed On	DEC	000015
7		LGREG	Legal Reg.	CHAR	000005
8		SECGK	Pecul.Code	CHAR	000010
9		FOCON	No Control	CHAR	000001
10		PMAS	Indiv. Maint.	CHAR	000001
11		DATBI	Valid To	DEC	000015
12		DATAB	Valid From	DEC	000015

Rule	Rule Name	Pos	Key	InfoObject	Co	Descript.
	C_PRNUM2	1		C_PRNUM2		GTS Product Main
	OSLL_LREGL	2		OSLL_LREGL		Legal Regulation for Legal Control
	end routine	3		OCOUNTRY		Country key
	C_CREATBY	5		C_CREATBY		Created By
	C_ERDAT	6		C_ERDAT		Created Date
	C_CHANGBY	7		C_CHANGBY		Changed By
	C_UPDATED	8		C_UPDATED		Update date
	C_DATAB	9		C_DATAB		Definitive Date (Valid-From Time) (
	C_DATBI	10		C_DATBI		Definitive Date (Valid-To Date) (GT
	C_SECGK	11		C_SECGK		Peculiarity Code for Legal Control
	C_FOCON	12		C_FOCON		No control flag
	OSLL_NUMLCL	13		OSLL_NUMLCL		Import Control Classif. No./Export
	OSLL_NSCLCL	14		OSLL_NSCLCL		Numbering Scheme for Import/Exp
	K_COUNTER	15		K_COUNTER		Counter
	end routine	16		C_MPROD		License Type (Full or Partial)

DP_GTS94

Daily full reload from master data GTS Product x Country to explode the information according to the legal regulation.

Transformation: IOBJ_C_PRNCTY -> ODSO DP_GTS94

Source: GTS Product by Country (C_PRNCTY)
 Target: GTS Product x Country x License (DP_GTS94)
 Version: Active

Pos	Key	InfoObject	Co	Descript.	Data t	Lng
1		OCOUNTRY		Country key	CHAR	
2		C_PRNCTY		GTS Product by Country	CHAR	
3		OLGYSYS		Source System	CHAR	
4		C_MATNR2		Material	CHAR	
5		OCREATEDON		Date on which the record was created	DATS	
6		C_PROD		Commercial Product / Material Group	CHAR	
7		CPFCTR_1_2		BFC Global Business Unit	CHAR	
8		C_ZONE		BFC Geographic/Zone	CHAR	
9		OSLL_FTORG		Foreign Trade Organizational Unit	CHAR	
10		OMATL_TYPE		Material type	CHAR	

Rule	Rule Name	Pos	Key	InfoObject	Co	Descript.
	C_PRNUM2	1		C_PRNUM2		GTS Product Main
	OSLL_LREGL	2		OSLL_LREGL		Legal Regulation f
	OCOUNTRY	3		OCOUNTRY		Country key
	K_COUNTER	5		K_COUNTER		Counter
	end routine	6		C_MPROD		License Type (Full

The legal regulations come from the table APSDGT01 where we retrieve data from the GTS tables /SAPSL/ALGR01 (legal regulation per country) and /SAPSL/ALGR11 (legal regulation per country group).

```

SELECT * FROM /bic/aapsdgt012 INTO TABLE itb_legcty
FOR ALL ENTRIES IN RESULT_PACKAGE
WHERE country = RESULT_PACKAGE-country.
* END PT99376211 4000029187 06/05/2021

DELETE itb_legcty WHERE country EQ 'AQ'.

SORT itb_legcty BY country.

LOOP AT RESULT_PACKAGE ASSIGNING <result_fields>.

* Prepare result aux
MOVE-CORRESPONDING <result_fields> TO s_result_aux.

LOOP AT itb_legcty INTO s_legcty
WHERE country = <result_fields>-country.

ADD 1 TO w_record.
s_result_aux-record = w_record.
s_result_aux-sll_lrepl = s_legcty-/bic/c_legcty.
s_result_aux-/bic/c_mprod = s_legcty-/bic/c_mprod.
" license time

```

Sales Order x Classification (CPSDGT01)

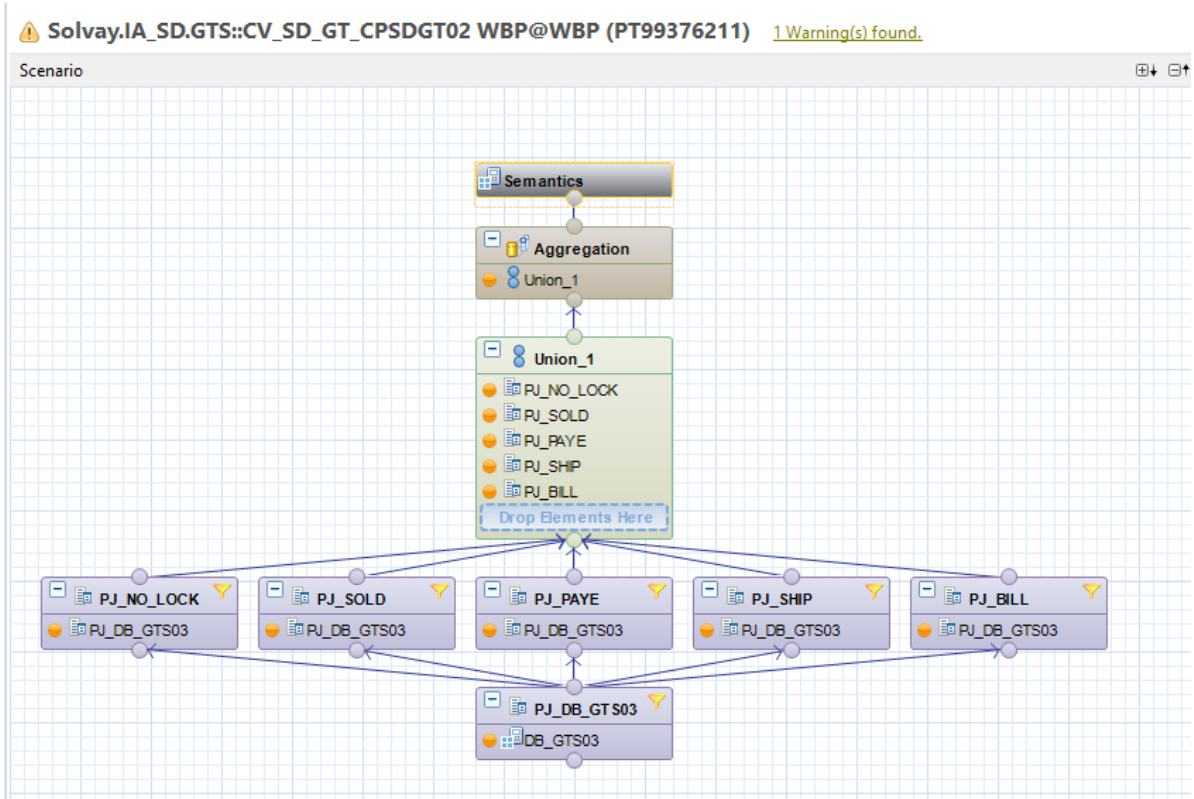
Join between sales orders and billing document with the legal regulations available by material and country assignments.

The screenshot shows the SAP ABAP development environment. On the left, a 'Scenario' diagram illustrates the data flow between various objects: Semantics, Aggregation, PJ_SD_GT_ORDER, PJ_SD_GT_ORDERDEF, AG_0001, PJ_SD_GT_CV_SD, PJ_SD_GT_CV_ST, CV_SD_GT_CPSDG, AG_PO_SO_ITEM, AG_PO_SO_ITEM, CV_SD_SO_ORDER, AG_PO_SO_ITEM, AG_INVOICE, and CV_SD_SO_INVOICE. On the right, the 'Details' pane shows a comparison of field lists for two tables: AG_0001 and PJ_SD_GT_CV_SD_GT_PROD_CLASS. The AG_0001 table contains fields like LOGSYS, BIC_C_DOCNUMB, BIC_C_ITM_SD, BIC_C_MATNR2, BIC_C_PLANT, BIC_C_CPFCTR1_2, CML_OR_QTY, SUBTOTAL_1, SUBTOTAL_2, SUBTOTAL_3, SUBTOTAL_5, COUNTRY, DOC_CURRCY, SALES_UNIT, NET_VALUE, BIC_C_SHIPTID, BIC_C_COMPCE, BIC_C_CUSTSA2, BIC_C_DIVISN, BIC_C_DISTCHN, BIC_C_SAL_ORG, OINV_QTY, K_REBATE1, CC_DISCOUNT, OBILL_DATE, OACT_GI_DTE, and K_NETINV. The PJ_SD_GT_CV_SD_GT_PROD_CLASS table contains fields like SLL_LREGL, COUNTRY, BIC_C_CREATBY, BIC_C_ERDAT, BIC_C_CHANGBY, BIC_C_UPDATED, BIC_C_DATAB, BIC_C_SEGCK, BIC_C_FOCON, SLL_NUMLC, SLL_NSCLC, BIC_C_MPROD, LOGSYS, BIC_C_MATNR2, BIC_C_PROD, BIC_C_ZONE, and SLL_FTORG.

Trade Compliance (CPSDGT02)

The composite provider is composed by two different views for trade compliance documents.

- CV_SD_GT_CPSDGT02 - GTS documents by locked partner (payer, ship-to, sold-to and billing to).



- CV_SD_GT_CPSDGT02_0002 - SPL view following the movements of the blocked and released documents and licenses.

Solvay.IA_SD.GTS::CV_SD_GT_CPSDGT02_0002 WBP@WBP (PT99376211) [2 Warning\(s\) found.](#)

Scenario

Details

PJ_GTS03		AG_0001	
OCREATEDON	Date on which the r...	OSLL_CDNUM	Customs Doc. No.
ODELIV_NUMB	Delivery	OSLL_CDITN	Customs Document ...
ODOC_NUMBER	Sales document	OSLL_CDYEA	Customs Doc. Year
OLOGSYS	Source System	OSLL_LREGL	OSLL_LREGL
OSLL_CBTP	Customer Number ...	C_STLGC	Status Legal Control
OSLL_CDITN	Customs Document...	C_DATAB	Definitive Date (Val...
OSLL_CDNUM	Customs Doc. No.	C_DATBI	Definitive Date (Val...
OSLL_CDYEA	Customs Doc. Year	C_EXTNO	External License Nu...
OSLL_CPAYE	Customer Number ...	C_LICNUM	License number
OSLL_CRDAT	Creation Date	C_LICTYP	License type
OSLL_CSHTP	Customer Number ...		
OSLL_CSOTP	Customer Number ...		
OSLL_CTYAR	Country of Destinat...		
OSLL_CTYDP	Country of Departure		
OSLL_CTYIV	Billing Country		
OSLL_CTYPL	Country - Physical L...		
OSLL_DPRGR	Depreciation Group		
OSLL_FTORG	Foreign Trade Orga...		
OSLL_LEGUN	Legal Unit		
OSLL_PSHTP	Ship-to Party		
OSLL_PSOTP	Sold-to Party		
OUNIT	Unit of measure		
OUNIT_OF_WT	Weight unit		
OUSERNAME	User Name		
C_CTPAYE	Country Payer		
C_CTSHTP	Country Ship-to		
C_CTSOTP	Country Sold-to		

Both views have as background the provider DB_GTS03, where the main source is the customized datasource mentioned previously DTS_SLL_CD_2.

The datasource extracts data from document item level in SAP GTS created or changed in the last 40 days.

```

44X  *$$$ begin of routine - insert your code
25  data: l_idx like sy-tabix.
26  read table l_t_range with key
27      fieldname = 'CRDAT'.
28  l_idx = sy-tabix.
29  *....
30  v_datelow = sy-datum - 40.
31
32  l_t_range-sign = 'I'.
33  l_t_range-option = 'BT'.
34  l_t_range-low = v_datelow.
35  l_t_range-high = sy-datum.
36  p_subrc = 0.
37
38  modify l_t_range index l_idx.
39

```

Main business rules:

Foreign trade organization starting with LU_S belongs Solvay plants. The plant is assigned with the char 6 to 9. While Rhodia plants are based on char 4 to 7.

```

IF SOURCE_FIELDS-SLL_FTORG IS INITIAL.

    CLEAR RESULT.

    ELSEIF SOURCE_FIELDS-SLL_FTORG(5) = 'LU_S_'.      " Solvay plant
        RESULT = SOURCE_FIELDS-SLL_FTORG+5(4).
    ELSE.
        RESULT = SOURCE_FIELDS-SLL_FTORG+3(4).      " Rhodia plant
    ENDIF.

```

This table saves by look up from DB_GTS01, the actions performed on embargo, spl and others legal controls using document and year as reference.

```

356 LOOP AT RESULT_PACKAGE ASSIGNING <result_fields>.
357
358 READ TABLE itb_hours INTO s_hours
359 WITH KEY sll_cdnum = <result_fields>-sll_cdnum
360 sll_cdyea = <result_fields>-sll_cdyea.
361
362 IF sy-subrc = 0.
363
364 " Usuário
365 <result_fields>-username = s_hours-username.
366
367 * Embargo
368 <result_fields>-/bic/c_dbkemb = s_hours-c_dbkemb.
369 " Blocking date
370 <result_fields>-/bic/c_drlemb = s_hours-c_drlemb.
371 " Release date
372 <result_fields>-/bic/k_nbemb = s_hours-k_nbemb.
373 " Number of hours
374
375 * SPL
376 <result_fields>-/bic/c_dbkspl = s_hours-c_dbkspl.
377 " Blocking date
378 <result_fields>-/bic/c_drlspl = s_hours-c_drlspl.
379 " Release date
380 <result_fields>-/bic/k_nbspl = s_hours-k_nbspl.

```

On time that DB_GTS01 is result from the logs table (CDHDR and CDPOS) on status table (/SAPSL/ CUHDSTA) by the program ZBW_PRG_CHANGE_ST.

Report	ZBW_PRG_CHANGE_ST	Active
184		
185	⊞ * Filter on object class 'DEBI'	
186	⊞ * to extract only data on SD customer view change document	
187	CALL FUNCTION 'CHANGEDOCUMENT_READ'	
188	EXPORTING	
189	⊞ * ARCHIVE_HANDLE = 0	
190	⊞ * CHANGENUMBER = ' '	
191	date_of_change = v_datefrom	
192	objectclass = '/SAPSL/ CUHD'	
193	⊞ * OBJECTID = ' '	
194	⊞ * TABLEKEY = ' '	
195	tablename = '/SAPSL/ CUHDSTA'	
196	time_of_change = '000000'	
197	⊞ * USERNAME = ' '	
198	⊞ * LOCAL_TIME = ' '	
199	date_until = v_dateto	
200	time_until = '235959'	
201	TABLES	
202	editpos = itb_ifs_change_st	
203	EXCEPTIONS	
204	no_position_found = 1	
205	wrong_access_to_archive = 2	
206	time_zone_conversion_error = 3	
207	OTHERS = 4.	
208	⊞ IF sy-subrc <> 0.	
209	⊞ * MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno	
210	⊞ * WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.	
211	ENDIF.	
212	⊞ * WE KEEP ONLY THE LINE WHERE THE FIELD NAME EQ :	

Locked Partners (CPSDGT03)

View ZV_BLPB (Santioned Party List Screening: Blocked Business Partners) result from partner information available on KNA1 and BUT00 with legal Control from the corresponding address.

Dictionary: Display View

Database View: ZV_BLPB Active

Short Description: Santioned Party List Screening: Blocked Business Partners

Attributes | **Table/Join Conditions** | View Flds | Selection Conditions | Maint.Status

Join conditions				
Table	Field name	=	Table	Field name
ADRC	CLIENT	=	BUT020	CLIENT
ADRC	ADDRNUMBER	=	BUT020	ADDRNUMBER
ADRC	DATE_FROM	=	BUT020	DATE_FROM
ADRC	NATION	=	BUT020	NATION
ADRC	CLIENT	=	/SAPSL/ADRCON	MANDT
ADRC	ADDRNUMBER	=	/SAPSL/ADRCON	ADRNR
BUT000	CLIENT	=	BUT020	CLIENT
BUT000	PARTNER	=	BUT020	PARTNER
BUT000	CLIENT	=	/SAPSL/PNTBP	MANDT
BUT000	PARTNER	=	/SAPSL/PNTBP	PARTNER

GTS Licenses (CPSDGT04)

View based on master data C_LICNUM, which use as source the table /SAPSL/LCLIC.

Reporting documentation drive folder:

<https://drive.google.com/drive/folders/0B0qn89R0RGdqYkZZOFZyYXIXVke>

dataflow overview :

https://drive.google.com/file/d/1_gTYCXm6O6To6xyVR58QzG0q5QnKjavSbLyHrrGG_vk/view

Functional and Technical rules on Workbench + Reporting Rules & Explanations

•Main analysis axis

- Customs Doc. No.
- Legal Unit
- Goods Supplier
- Country of Departure
- Document Status
- Customs Procedure Code
- Customs Duty
- Customs Value
- Net Weight
- VAT Calculation Amnt
- VAT Paid Amount
- Third-Country Duty

- Percentage Duty Rate (Third-Country Duty / Customs Value)

•Main reports

- Supplier Bills
- Imports by plant

•Technical scope

- GTS standard extractors

Explanations about the links in GTS :

[blocked URL](#)

[blocked URL](#)

Dependencies with other applications

Dependencies with SD and GSV application (old purchase application)

Check the transformation : TRSF : 0SLL_CD_1 -> ODSGTS01

In the start routine :

```

507
508 * COLLECT THE PLANT AND MATERIAL
509 * FOR EACH SALE ORDER
510 IF itb_collect_so[] IS NOT INITIAL.
511     SELECT doc_number material salesorg createdon
512           INTO TABLE itb_so
513           FROM /bic/adso_sd0200
514           FOR ALL ENTRIES IN itb_collect_so
515           WHERE doc_number = itb_collect_so-so_number.
516 ENDIF.
517 * COLLECT CREATION DATE FOR EACH PURCHASE ORDER
518 IF itb_collect_po[] IS NOT INITIAL.
519     SELECT DISTINCT doc_num doc_date
520           INTO TABLE itb_po
521           FROM /bic/aods_scl100
522           FOR ALL ENTRIES IN itb_collect_po
523           WHERE doc_num = itb_collect_po-po_number.
524 ENDIF.
525 * COLLECT CONTROLLING AREA, PROFIT CENTER, BUSINESS UNIT
526 * ENTERPRISE, CASH GENERAL UNIT INTO INTERNAL TABLE
527 IF itb_collect_matplnt[] IS NOT INITIAL.
528     SELECT plant /bic/c_matplnt co_area profit_ctr
529           /bic/c_pfctr1 /bic/c_pfctr2 /bic/c_pfctr3
530           INTO TABLE itb_matplnt
531           FROM /bic/mc_matplnt
532           FOR ALL ENTRIES IN itb collect matplnt

```

Data loadings

Info providers and objects loaded

Loading frequency

Daily - process chain GTS_MASTER_MAIN

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	1,5 hour
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

Reporting

Queries End User Documentation

Main queries

The main reports available in the GTS models are:

Customs	Export	BW_QRY_MPR_GTS01_0004
	Import	BW_QRY_MPR_GTS01_0001
Material	Customs classification	BW_QRY_IFS_PRCT2_0001
	Legal Regulation + Sales	BW_QRY_CPSDGT01_0001
	Legal Regulation	BW_QRY_CPSDGT05_0001
	Trade Preference	BW_QRY_MVSDGT93_0001
Compliance	Trade Compliance: SPL	BW_QRY_CPSDGT02_0002
	Trade Compliance: License	BW_QRY_CPSDGT02_0001
	Licenses	BW_QRY_CPSDGT04_0001
	Locked Partners	BW_QRY_CPSDGT03_0001

Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

DataSource for Customs Documents

[blocked URL](#) DataSource Transactional Data: 0SLL_CD_1

This DataSource contains transaction data from customs documents that are created in SAP GTS in the following services:

- Customs Processing
- Transit Procedure
- Preference Processing
- Restitution Handling

The data that is extracted to SAP BW then serves to update the ODS object customs document 0SLL_DS_01.

The customs document date, which is extracted from either field SHPTS or PTCTS in the table of origin /SAPSL/ CUHDDAT, depends on whether the customs procedure is for an import or an export transaction. In the case of an import transaction, the source field in the customs document is the date on which the goods are presented to customs for import (*Recording/Decl. Date*). For more information, see the transportation tab page (*Transport*) in the 'Customs Processing' service of SAP GTS. In the case of an export transaction, the source field in the customs document is called the transit date for export (*Shipping Date*). For more information, see the transportation tab page (*Transport*) in the 'Transit Procedure' service of SAP GTS.

In any of the services you use in SAP GTS, the country of departure, which is extracted from field CTYDP in either table of origin /SAPSL/ CUIT or /SAPSL/ CUHD, can be extracted at both header and item level in the customs document. For more information, see the transportation tab page (*Transport*) at header level (*Countries Issue*) and the *Placement* tab page at item level (*Country of Departure*).

The country of destination, which is extracted from the field CTYAR in either table of origin /SAPSL/ CUIT or /SAPSL/ CUHD, can only be extracted at header level in the customs document. For more information, see the transportation tab page (*Transport*) in SAP Customs Management at header level (*Countries Placement*).

The following fields contain values that you maintain in the Implementation Guide (IMG) for SAP GTS under *SAP Customs Management 'Customs Processing' Service Calculation of Customs Duty Define Customs Duty Framework* :

- NETVA: *Net Price/Invoice Value* (001)
- STAVA: *Statistical Value* (003)
- CUSVA: *Customs Value* or *Value not Shown Separately* (002 or C1)
- TCODU: *Value not Shown Separately* (third-country duty — B1)
- PREDU: *Value not Shown Separately* (preferential duty — B2)
- PHPDU: *Value not Shown Separately* (duty on pharmaceutical products — B3)
- SUSDU: *Value not Shown Separately* (suspension of duty — B4)
- ADUDU: *Value not Shown Separately* (anti-dumping duty — B5)
- SUMDU: *Value not Shown Separately* (total duties — D0)
- CURCU: Customs currency

For more information on the value types, such as invoice values and statistical values, and the customs duty types to which you assign the values, see the IMG documentation.

Technical Data

Application Components	SAP GTS (SLL-LEG)
Available as of Release	3.0
Shipment	November 2004
Content Version	No
RemoteCube-Capable	No
Delta-Capable	Yes
Extraction from Archives	No
Verifiable	No

Prerequisites

You have completed the following activities in the Implementation Guide (IMG) for SAP GTS:

- You have activated the *BIW* indicator to transfer customs documents from SAP GTS to SAP BW under *SAP Global Trade Services General Settings Organizational Structure Control Settings at Foreign Trade Organization Level*.
- You have entered a unit of weight in the table for *Control Settings at Foreign Trade Organization Level*. This unit of weight must be the common unit of weight that you want to be used in the strategic reporting in SAP BW. The values in the fields for gross weight (WEIGR), net weight (WEINE) and unit of weight (WEIDI) depend on the unit of weight you maintain at FTO level in the IMG for converting weights for SAP BW. Note that the value for field NUMIT, number of document items, is always one.
- You have activated document types for transferring relevant data from customs documents in SAP GTS to SAP BW. You do this in the IMG for SAP GTS under *SAP Customs Management General Settings Document Structure Define Customs Document Types*. You have set the indicator *Transfer to SAP Business Information Warehouse Active*.
- You have activated the appropriate item categories in the customs documents for transferring relevant data from business transactions in SAP GTS to SAP BW. You do this in the IMG for SAP GTS under *SAP Customs Management General Settings Document Structure Define Customs Item Categories*. You have set the indicator *Transfer to SAP Business Information Warehouse Active*.

You must have set the indicators at all of the following three levels in the Customizing settings for SAP GTS to ensure the necessary transfer of data to SAP BW.

1. Document level
2. Item level
3. Organizational unit level (FTO).

Integration

Delta Update

It is possible to perform a delta extraction for this DataSource using the delta method AIMD. However, delta data cannot be extracted from data archives.

Fields of Origin for the Extract Structure

Fields in the Extract Structure	Description of the Field in the Extract Structure	Table of Origin	Field in the Table of Origin
CDNUM	Customs Document Number	/SAPSL/ CUHD	CORDER
CDYEA	Customs Document Year	/SAPSL/ CUHD	COYEAR
CDITN	Customs Document Item Number	/SAPSL/ CUIT	ITVSY
INDEI	Import/Export Indicator	/SAPSL/ CUHD	INDEI
ROCANCEL	Cancel Field	Hard-coded	Hard-coded
CDSTA	Status of Customs Document	/SAPSL/ CUHDSTA	PROST
FCOTD	Flag: Customs or Transit Document	Hard-coded	Hard-coded
FRELP	Flag: Relevant for Preference Processing	Hard-coded	Hard-coded
PREFL	Flag: Eligible for Preference	Hard-coded	Hard-coded
FRELR	Flag: Relevant for Restitution	Hard-coded	Hard-coded
CDDAT	Customs Document Date	/SAPSL/ CUHDDAT	SHPTS, PTCTS
EXDAT	Export Date	/SAPSL/ CUHDDAT	EXPTS
CRDAT	Created-On Date	/SAPSL/ CUHD	CRTSP
NSCTC	Numbering Scheme for Tariff Code Number	/SAPSL/ CTSNUMC, /SAPSL/ CTSNUM	STCTS
NUCTC	Country for Tariff Code Number	/SAPSL/ CTSNUMC	LAND1
NUMTC	Tariff Code Number	/SAPSL/ CTSNUMC, /SAPSL/ CTSNUM	EXSID
NSCCC	Numbering Scheme for Commodity Code	/SAPSL/ CTSNUMC, /SAPSL/ CTSNUM	STCTS
NUCCC	Country for Commodity Code	/SAPSL/ CTSNUMC	LAND1
NUMCC	Commodity Code	/SAPSL/ CTSNUMC, /SAPSL/ CTSNUM	EXSID
NSCRC	Numbering Scheme for Common Agricultural Policy (CAP) Numbers for Restitution Handling	/SAPSL/ CTSNUMC, /SAPSL/ CTSNUM	STCTS
NUMRC	CAP Numbers for Restitution	/SAPSL/ CTSNUM	EXSID
BOPNO	Bill of Product Number	/SAPSL/ BOPHD	BOPNO
SECNC	Security Number for Customs Processing and Transit Procedure	/SAPSL/ LCLIC	EXTNO
SECNR	Security Number for Restitution	/SAPSL/ LCLIC	EXTNO
PRNUM	Product Number	/SAPSL/ PR	PRNUM
CTYDP	Country of Departure	/SAPSL/ CUIT, /SAPSL/ CUHD	CTYDP
CTYAR	Country of Destination	/SAPSL/ CUIT, /SAPSL/ CUHD	CTYAR
CUCOO	Country of Origin	/SAPSL/ CUIT	CUCOO

FTORG	Foreign Trade Organization	BUT000	PARTNER
LEGUN	Legal Unit	/SAPSL/CORPAR	PARNO
PSEND	Sender/Exporter	/SAPSL/CORPAR	PARNO
VSEND	Sender/Exporter SAP R/3 Vendor (Import)	/SAPSL/PNTBP	BPVSY
PRECP	Recipient/Importer	/SAPSL/CORPAR	PARNO
CRECP	Recipient/Importer SAP R/3 Customer (Export)	/SAPSL/PNTBP	BPVSY
PDECL	Declarant	/SAPSL/CORPAR	PARNO
PDECS	Declarant (Substitute)	/SAPSL/CORPAR	PARNO
POENT	Office of Entry	/SAPSL/CORPAR	PARNO
PODES	Office of Destination	/SAPSL/CORPAR	PARNO
PODEP	Office of Departure	/SAPSL/CORPAR	PARNO
POEXI	Office of Exit	/SAPSL/CORPAR	PARNO
CCAFA	Requested Concession	/SAPSL/LEGCUS	CCAFA
CUPRO	Procedure	/SAPSL/LEGCUS	CUPRO
DCTYP	Declaration Type	/SAPSL/LEGACT	DCTYP
CSSTA	Customs Status of Goods	LEGCUS	CSSTA
MTRDO	Domestic Mode of Transport	/SAPSL/LEGTPR	MTRDO
MTBRC	Mode of Transport at the Border	/SAPSL/LEGTPR	MTBRC
CUHDA	Document Type of Customs Document	/SAPSL/CUHD	CUHDA
CUITA	Item Category of Customs Document	/SAPSL/CUIT	CUITA
LREGC	Legal Regulation for Customs Processing	/SAPSL/LEGTPR	LGREG
LREGP	Legal Regulation for Preference Processing	Hard-coded	LGREG
LREGR	Legal Regulation for Preference Processing	/SAPSL/LEGCON	LGREG
INCOT	Incoterm 1	/SAPSL/CUHD	INCOT
INCOL	Incoterm 2	/SAPSL/CUHD	INCOLO
EXART	Customs Business Transaction Type	/SAPSL/LEGTPR	EXART
PYTYP	Payment Method	/SAPSL/LEGTPR	PYTYP
AUTNO	Authorization Number	/SAPSL/LCLIC	EXTNO
ADD1	Additional Data 1	/SAPSL/CUIT	ADDDA1
ADD2	Additional Data 2	/SAPSL/CUIT	ADDDA2
ADD3	Additional Data 3	/SAPSL/CUIT	ADDDA3
NETVA	Net Price/Invoice Value	/SAPSL/LEGCULC	AMNT_CUS
STAVA	Statistical Value	/SAPSL/LEGCULC	AMNT_CUS
CUSVA	Customs Value	/SAPSL/LEGCULC	AMNT_CUS
TCODU	Third-Country Duty	/SAPSL/LEGCULC	AMNT_CUS
PREDU	Preferential Duty	/SAPSL/LEGCULC	AMNT_CUS
PHPDU	Pharmaceutical Products Duty	/SAPSL/LEGCULC	AMNT_CUS
SUSDU	Suspension of Duty	/SAPSL/LEGCULC	AMNT_CUS
ADUDU	Anti-Dumping Duty	/SAPSL/LEGCULC	AMNT_CUS
SUMDU	Total: Duties	/SAPSL/LEGCULC	AMNT_CUS
CURCU	Customs Currency	/SAPSL/LEGCULC	CUR_CUS
PRRVA	Comparison Value	/SAPSL/CUIT	EXPVAL_FLT
PRTVA	Threshold Value	/SAPSL/CUIT	CPVAL_FLT
CURPR	Preference Currency	/SAPSL/CUIT	PRCUR
RESVA	Export Refund Amount for Restitution	/SAPSL/LEGCULC	AMNT_CUS
CURRE	Restitution Currency	/SAPSL/LEGCULC	CUR_CUS
QUANB	Quantity in Base Unit of Measure	Calculated	Hard-coded
QUAUB	Base Unit of Measure	Calculated	Hard-coded
QUAND	Quantity in Document Unit of Measure	/SAPSL/CUIT	QUANT_FLT
QUAUD	Document Unit of Measure	/SAPSL/CUIT	QUAUM
WEIGR	Gross Weight	/SAPSL/CUIT	WEIGRO_FLT
WEINE	Net Weight	/SAPSL/CUIT	WEINET_FLT
WEIDI	Unit of Weight	/SAPSL/CUIT	WEIDIM
NUMIT	Number of Document Items	Calculated	Hard-coded

This DataSource has the following data flow: DataSource 0SLL_CD_1 ODS Object 0SLL_DS01 InfoCube 0SLL_C01. The extractor method is F1.

Planned Evolution

There are some changes in progress for some GTS queries according to the specifications in the link below

https://drive.google.com/a/solvay.com/folderview?id=0B2clPECaPXrkZkRqN3Y2QWlaTVE&usp=sharing_eid&ts=57209386

- 1) BW - GTS : Export Statistics (Core Query) - BW_QRY_MPR_GTS01_0004
- 2) BW - GTS : Import Statistics (Core Query) - BW_QRY_MPR_GTS01_0001
- 3) BW - GTS : Trade compliance follow-up (Core Query) - BW_QRY_MPR_GTS02_0001

This query will be splitted in 3 different ones:

SPL - to be created

Embargo - BW_QRY_MPR_GTS02_0002 (in validation)

License - to be created

Aside from modifications in the queries (layout, filters, etc) some new developments are in progress:

- Activation of datasource DTS_USERNAME_TEXT in PF1 (currently it's available in SF1) to get user name from PF1 too
- Analysis to enhance field "Release Reason" in datasource DTS_GTS_CHANGEDOC_STATUS