

BW OTC - Billing Items C_BILLITM

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General presentation

Objective of the application

The infoprovider has all the data related to the Billing items.

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Usage information

Users use this information Worldwide where the Billing items are used in the queries

History

The Condition record number(CONDREC) from KONV , Reference Document number (XBLNR) from VBRK table and Preferential flag(PREFE) from VBRP is extracted to the C_BILLITM through Datasources :

- ZZ_VBRK_KONV for WP1 data flows
- ZZ_VBRKP_KONV for PF1 data flows

These Datasources are enhanced from May 2023, to also include below information from KONV table :

- KHERK (Condit.origin) -> C_BILLITM__C_KNORIG
- KOAID (Condition class) -> C_BILLITM__C_KNCLASS
- KMPRS (Changed manual) -> C_BILLITM__C_KMPRS

Datasource ZZ_VBRK_KONV for WP1 is also enhanced with specific text from KONP table :

- SMARTPJ (Price Justification) -> C_BILLITM__C_SMARTPJ

Dataflow overview

ng Workbench: Modeling

The characteristics C_CONDREC, C_PREFE1 and C_XBLNR are added to the ADPSDSO47 (Billing and Conditions DSO).

The new characteristic C_SMARTPJ is added to the ADPSDSO47, and mappings are updated as below.

From PF1 :

Pos	Key	Field	Descript.	Data t	Lngh
1		VBELN	Bill.Doc.	CHAR	000010
2		ERDAT	On	DATS	000008
3		AEDAT	Chngd	DATS	000008
4		KNUMH	CondRecNo.	CHAR	000010
5		KNUMV	Doc.cond.	CHAR	000010
6		KSCHL	Cond. Type	CHAR	000004
7		KPOSN	Item	NUMC	000006
8		FKART	Bill. Type	CHAR	000004
9		PREFE	Preference	CHAR	000001
10		XBLNR	Reference	CHAR	000016
11		KOPOS	SequNoCond	NUMC	000002
12		KHERK	Cond.orig.	CHAR	000001
13		KOAITD	Cond.class	CHAR	000001
14		KMPRS	Manually	CHAR	000001
15		KINAK	Inactive	CHAR	000001

Rule	Rule Name	Pos	Key	InfoObject	Icon	Descript.	Data t	Lngh	Int
1	C_BILLNUM	1	Key	C_BILLNUM	Info	Billing document	CHAR	000010	
2	LOGSYS	2		LOGSYS	Info	Source System	CHAR	000010	
3	C_BILLITM	3	Key	C_BILLITM	Info	Billing Line	CHAR	000006	
4	C_CONDTYP	4	Key	C_CONDTYP	Info	Condition type	CHAR	000004	
5	C_CONDUSG	5	Key	C_CONDUSG	Info	Usage of the condition table	CHAR	000001	
6	C_CONDAPP	6	Key	C_CONDAPP	Info	Application	CHAR	000002	
8	C_BILLTYP	8		C_BILLTYP	Info	Billing type	CHAR	000004	
9	C_CREATED	9		C_CREATED	Info	Creation date	DATS	000008	
10	0AEDAT	10		0AEDAT	Info	Changed On	DATS	000008	
11	C_CON_NUM	11		C_CON_NUM	Info	Number of the document condition	CHAR	000010	
12	C_CONDREC	12		C_CONDREC	Info	Condition record number	CHAR	000010	
13	C_PREFE1	13		C_PREFE1	Info	Preference Flag	CHAR	000001	
14	C_XBLNR	14		C_XBLNR	Info	Reference Document Number	CHAR	000016	
15	C_KNORIG	15		C_KNORIG	Info	Origin of Condition	CHAR	000001	
16	C_KNCLASS	16		C_KNCLASS	Info	Condition Class	CHAR	000001	
17	C_KMPRS	17		C_KMPRS	Info	Changed manual/auto flag	CHAR	000001	
18	C_SMARTPJ	18		C_SMARTPJ	Info	Price Justification	CHAR	000132	

From WP1 :

Transformation: RSDS ZZ_VBRK_KONV WV1_400 -> ADSO ADPSDSO47 Runtime Status: Only ABAP runtime is supported

Source: Billing & Condition data (ZZ_VBRK_KONV)
 Target: Billing & Conditions (ADPSDSO47)
 Version: Active
 Active Version: Executable Edited Version

100% Rule Group Rule

Billing_Condition data (ZZ_VBRK_KONV)				
Pos	Key	Field	Descript.	Data t/Length
1		VBELN	Billing Doc.	CHAR 000010
2		ERDAT	Created On	DATS 000008
3		AEDAT	Changed On	DATS 000008
4		KNUMH	Cond.record no.	CHAR 000010
5		KNUMV	Doc. condition	CHAR 000010
6		KSCHL	Condition Type	CHAR 000004
7		KPOSN	Item	NUMC 000006
8		FKART	Billing Type	CHAR 000004
9		PREFE	Pref. available	CHAR 000001
10		XBLNR	Reference	CHAR 000016
11		KOPOS	SeqNo of cond.	NUMC 000002
12		KHERK	Condit.origin	CHAR 000001
13		KOAIID	Condition class	CHAR 000001
14		KMPRS	Changed manual.	CHAR 000001
15		KINAK	Inactive	CHAR 000001
16		SMARTPJ	Price justification	CHAR 000132

Billing_Conditions (ADPSDSO47) Rule Group: Standard Group								
Rule	Rule Name	Pos	Key	InfoObject	Icon	Descript.	Data t/Length	Int
	C_BILLNUM	1	✓	C_BILLNUM	📄	Billing document	CHAR 000010	
	0LOGSYS	2	✓	0LOGSYS	📄	Source System	CHAR 000010	
	C_BILLITM	3	✓	C_BILLITM	📄	Billing Line	CHAR 000006	
	C_CONDTYP	4	✓	C_CONDTYP	📄	Condition type	CHAR 000004	
	C_CONDUSG	5	✓	C_CONDUSG	📄	Usage of the condition table	CHAR 000001	
	C_CONDAPP	6	✓	C_CONDAPP	📄	Application	CHAR 000002	
	C_BILLTYP	8	✓	C_BILLTYP	📄	Billing type	CHAR 000004	
	C_CREATED	9	✓	C_CREATED	📄	Creation date	DATS 000008	
	0AEDAT	10	✓	0AEDAT	📄	Changed On	DATS 000008	
	C_CON_NUM	11	✓	C_CON_NUM	📄	Number of the document condition	CHAR 000010	
	C_CONDREC	12	✓	C_CONDREC	📄	Condition record number	CHAR 000010	
	C_PREFE1	13	✓	C_PREFE1	📄	Preference Flag	CHAR 000001	
	Remove strange characters	14	✓	C_XBLNR	📄	Reference Document Number	CHAR 000016	
	C_KNORIG	15	✓	C_KNORIG	📄	Origin of Condition	CHAR 000001	
	C_KNCLASS	16	✓	C_KNCLASS	📄	Condition Class	CHAR 000001	
	C_KMPRS	17	✓	C_KMPRS	📄	Changed manual/auto flag	CHAR 000001	
	Remove strange characters	18	✓	C_SMARTPJ	📄	Price Justification	CHAR 000132	

The ADPSDSO47 is then populating Master Data C_BILLITM as below.

Transformation: ADSO ADPSDSO47 -> IOBJ C_BILLITM Runtime Status: Only ABAP runtime is supported

Source: Billing & Conditions (ADPSDSO47)
 Target: Billing Line (C_BILLITM)
 Version: Active
 Active Version: Executable Edited Version

100% Rule Group Rule

Billing Line (C_BILLITM) Rule Group: Standard Group								
Rule	Rule Name	Pos	Key	InfoObject	Icon	Descript.	Data t/Length	Int
	0LOGSYS	1	✓	0LOGSYS	📄	Source System	CHAR 000010	
	C_BILLNUM	2	✓	C_BILLNUM	📄	Billing document	CHAR 000010	
	C_BILLITM	3	✓	C_BILLITM	📄	Billing Line	CHAR 000006	
✗	C_BILLTYP	4	✓	C_BILLTYP	📄	Billing type	CHAR 000004	
✗	C_BILLCAT	5	✓	C_BILLCAT	📄	Billing category	CHAR 000001	
✗	0BILL_DATE	6	✓	0BILL_DATE	📄	Date for invoice/billing index and printout	DATS 000008	
✗	C_INVDAT	7	✓	C_INVDAT	📄	Billing Date (Year/Month)	NUMC 000006	
✗	C_INVDAT2	8	✓	C_INVDAT2	📄	Billing Date (Year)	NUMC 000004	
✗	0COUNTRY	9	✓	0COUNTRY	📄	Country key	CHAR 000003	
✗	C_PM_MTHD	10	✓	C_PM_MTHD	📄	Payment method	CHAR 000001	
✗	C_VATNUM	11	✓	C_VATNUM	📄	VAT Reg. Number	CHAR 000020	
✗	C_COMMGR	12	✓	C_COMMGR	📄	Commission group	CHAR 000002	
✗	C_BILLR	13	✓	C_BILLR	📄	Billing rule	CHAR 000001	
✗	C_IVFLG	14	✓	C_IVFLG	📄	IV invoice indicator	CHAR 000001	

Billing_Conditions (ADPSDSO47)					
Pos	Key	InfoObject	Icon	Descript.	Data t/Length
1	✓	C_BILLNUM	📄	Billing document	CHAR 000010
2	✓	0LOGSYS	📄	Source System	CHAR 000010
3	✓	C_BILLITM	📄	Billing Line	CHAR 000006

4	C_CONDTYP	Condition type	CHAR	000004	⊗	C_NOTASF	15	C_NOTASF	Nota fiscal	CHAR	000016
5	C_CONDUSG	Usage of the condition table	CHAR	000001	⊗	C_BERNAM	16	C_BERNAM	Billing created by	CHAR	000012
6	C_CONDAPP	Application	CHAR	000002	⊗	C_BILLDAT	17	C_BILLDAT	Billing creation date	DATS	000008
7	ORECORDMODE	BW Delta Process: Update Mode	CHAR	000001	⊗	OCH_ON	18	OCH_ON	Last changed on	DATS	000008
8	C_BILLTYP	Billing type	CHAR	000004	⊗	OCO_AREA	19	OCO_AREA	Controlling area	CHAR	000004
9	C_CREATED	Creation date	DATS	000008	⊗	C_COSTCTR	20	C_COSTCTR	Cost Center	CHAR	000010
10	0AEDAT	Changed On	DATS	000008	⊗	C_MATNR2	21	C_MATNR2	Material	CHAR	000018
11	C_CON_NUM	Number of the document condition	CHAR	000010	⊗	C_BATCH2	22	C_BATCH2	Batch number	CHAR	000010
12	C_CONDREC	Condition record number	CHAR	000010	⊗	C_AGENT	23	C_AGENT	Agent	CHAR	000010
13	C_PREFE1	Preference Flag	CHAR	000001	⊗	C_PMNTRM2	24	C_PMNTRM2	Payment Term (LFM2)	CHAR	000004
14	C_XBLNR	Reference Document Number	CHAR	000016	⊗	C_DELNUM2	25	C_DELNUM2	Delivery number	CHAR	000010
15	C_KNORIG	Origin of Condition	CHAR	000001	⊗	C_DELITM2	26	C_DELITM2	Delivery Item (Core)	CHAR	000016
16	C_KNCLASS	Condition Class	CHAR	000001	⊗	C_SHIPNU2	27	C_SHIPNU2	Shipment Number (Core)	CHAR	000010
17	C_KMPRS	Changed manual/auto flag	CHAR	000001	⊗	C_INGBUF2	28	C_INGBUF2	Intra-GBU Flag	CHAR	000001
18	C_SMARTPJ	Price Justification	CHAR	000132	⊗	C_PALFLG	29	C_PALFLG	Pallet Surcharge Flag	CHAR	000001
					⊗	C_NFDOC	30	C_NFDOC	NF Document Number (core)	NUMC	000010
					⊗	C_KMPRS	31	C_KMPRS	Changed manual/auto flag	CHAR	000001
					⊗	V	32	C_CONDAPP	Application	CHAR	000002
					⊗	C_CNDTYP3	33	C_CNDTYP3	Condition type (man. price)	CHAR	000004
					⊗	C_CON_NUM	34	C_CON_NUM	Number of the document condition	CHAR	000010
					⊗	C_CONDREC	35	C_CONDREC	Condition record number	CHAR	000010
					⊗	C_XBLNR	36	C_XBLNR	Reference Document Number	CHAR	000016
					⊗	C_PREFE1	37	C_PREFE1	Preference Flag	CHAR	000001
					⊗	Case 'Y' or 'N'	38	C_KNORIG	Origin of Condition	CHAR	000001
					⊗	C_KNCLASS	39	C_KNCLASS	Condition Class	CHAR	000001
					⊗	C_SMARTPJ	40	C_SMARTPJ	Price Justification	CHAR	000132

Functional and Technical rules on Workbench + Reporting

Rules & Explanations

The Queries which were changed are

BW_QRY_MVSDSO45_SD0005 - The condition record number C_BILLITM__C_CONDREC is added as a characteristic

BW_QRY_MVSDSO45_SD0001.- The reference Document number C_BILLITM__C_XBLNR is added as a characteristic

BW_QRY_MVSDSO53_0001 - The preferential flag C_BILLITM_C_PREFE1 is added as a characteristic.

Dependencies with other applications

NA

Data loadings

Info providers and objects loaded

PC_GL_SALES_C_BILLITM

Planned Evolution