

BW OTC - Billing Items C_BILLITM

- General presentation
 - Objective of the application
 - Usage information
 - History
- Dataflow overview
 - 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
 - Planned Evolution

General presentation

Objective of the application

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

Tool Leader + IT leader of the application: Craig Wanamaker

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

InfoProvider	Tech. Name	M ...	Execute Function	Display Tree	O...	Object Informati...	Object Informati...
Sales and Distribution - Master Data Layer	IA_SD_MD		Change	InfoProviders			
Master Data Aero	IA_SD_MD_AERO		Change	InfoProviders			
Agent	C_AGENT		Change	InfoObjects			
Agent billing type	C_COMBILT		Change	InfoObjects			
Agent commission link (Core)	C_COMDOC		Change	InfoObjects			
Agreement number	C_KNUMA		Change	InfoObjects			
Agreement type	C_AGR_TYP		Change	InfoObjects			
BFC GBU for Dynasis	C_DYN_GBU		Change	InfoObjects			
Bdg : sales organization assignment (ct)	C_BDG_RSO		Change	InfoObjects			
Billing doc at origin	C_DOCORI		Change	InfoObjects			
Billing Line	C_BILLITM		Change	InfoObjects			
Billing Line (Attributes)	ATTRIBUTES C_BILLI...		Manage	InfoProviders			
ADSO ADPSDSO47 -> IOBJ C_B...	06GWMR7CAAOSN0Z0...		Change				
Billing & Conditions	ADPSDSO47		Manage	InfoProviders			
RSDS ZZ_VBRKP_KONV C0P1RHD418Z33NOPJN...			Change				
Billing & Condition dat ZZ_VBRKP_KONV			Change	DataSources		DF1_020	
RSDS ZZ_VBRKP_KONV W10G7VMGFHXC409YH8...			Change				
Billing & Condition dat ZZ_VBRKP_KONV			Change	DataSources		WD1_110	
Data Transfer Processes	ADPSDSO47		Create Data Tran...				
TRSF: DBSDSO06 -> C_BILLITM0DRVVVSQFLPY6FUPA4...			Change				
TRSF: DBSDSO46 -> C_BILLITM0KF0XB9VMFJXY0Y8C...			Change				
Data Transfer Processes	ATTRIBUTES C_BILLI...		Create Data Tran...				
Billing block for item	C_BBLKITM		Change	InfoObjects			

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 :

Billing_Condition data (ZZ_VBRKP_KONV)				Billing_Conditions (ADPSDSO47) Rule Group: Standard Group			
Posi	Key	Field	Descript.	Data t	Lngh	Int	
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		KOAIID	Cond.class	CHAR	000001		
14		KMPRS	Manually	CHAR	000001		
15		KINAK	Inactive	CHAR	000001		

Rule	Rule Name	Posi	Key	InfoObject	Icon	Descript.	Data t	Lngh	Int
	C_BILLNUM	1		C_BILLNUM		Billing document	CHAR	000010	
	C_OLOGSYS	2		C_OLOGSYS		Source System	CHAR	000010	
	C_BILLITM	3		C_BILLITM		Billing Line	CHAR	000006	
	C_CONDTYPE	4		C_CONDTYPE		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	
	C_OAEDAT	10		C_OAEDAT		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	
	C_XBLNR	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	
	C_SMARTPJ	18		C_SMARTPJ		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 Group Rule

Billing_Condition data (ZZ_VBRK_KONV)

Pos	Key	Field	Descript.	Data t	Lngh
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	SequNo 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	Ico	Descript.	Data t	Lngh	Int
=	C_BILLNUM	1	✓	C_BILLNUM	📄	Billing document	CHAR	000010	
🔑	OLOGSYS	2	✓	OLOGSYS	📄	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 Group Rule

Billing Conditions (ADPSDSO47)

Pos	Key	InfoObject	Ico	Descript.	Data t	Lngh
1	✓	C_BILLNUM	📄	Billing document	CHAR	000010
2	✓	OLOGSYS	📄	Source System	CHAR	000010
3	✓	C_BILLITM	📄	Billing Line	CHAR	000006

Billing Line (C_BILLITM) Rule Group: Standard Group

Rule	Rule Name	Pos	Key	InfoObject	Ico	Descript.	Data t	Lngh	Int
=	OLOGSYS	1	✓	OLOGSYS	📄	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	

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.

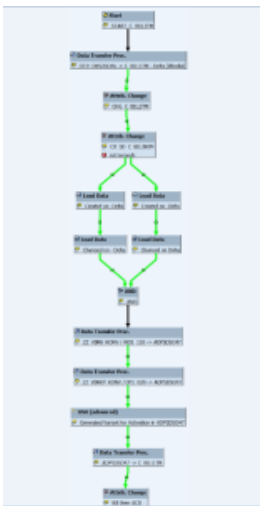
Dependencies with other applications

NA

Data loadings

Info providers and objects loaded

PC_GL_SALES_C_BILLITM



Loading frequency

Daily

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ 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

Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

Planned Evolution