

Transfer of PRICAT-Messages (SD-MD-PL)



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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

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Transfer of PRICAT-Messages (SD-MD-PL)

Use

This business process allows you to export a logical message type PRICAT from R/3 to an external system, via ALE and IDocs, or to import it from an external system. (R/3 supports both EANCOM standard message type PRICAT and ANSI X12 transaction set 832.)

This is useful, for example, if you want to:

- Send a complete or partial list of your product offering (including prices) to your customers
- Send your data to a central database in PRICAT message format so that it is available so that authorized customers and suppliers can access it.
- Receive automatic notification of new or updated product and pricing information from your suppliers or from a central database.

Price catalog information for export includes the description, information about prices and pricing conditions (including taxes), and logistics information for each product. It can contain either general product information valid for all customers, or customer-specific information, such as special conditions. You can also specify a timeframe for which the price catalog is valid.

Integration

When an export is prepared, the R/3 system creates IDocs (SAP intermediate document format) for all materials to be included in the price catalog. These IDocs are sent to an external converter, which converts the IDocs into EANCOM standard message PRICAT or ANSI X12 format.

The reverse process is true for data import.

Prerequisites

Recipients of your price catalog must be able to either accept PRICAT format documents directly or convert them to their own system-readable format.

Business Process: Outbound Processing of PRICAT Messages

Purpose

You can use the EANCOM standard message PRICAT to provide your business partners (customers) with up-to-date master data and price information. To do this, you first create a price catalog in the SAP system for a specific assortment and/or partner, then send it in IDoc format to the appropriate partners.

You can also have change versions (delta versions) manually or automatically generated when the data changes. You set this up as a batch job to run in the background.

Function module **GN_INVOICE_CREATE** is used to determine prices. This simulates billing for the customers and materials involved.

Integration

Functions in R/3

- Material master data maintenance
- Customer master data maintenance
- Pricing/conditions maintenance
- Assortment planning
- IDoc creation
- Additional manual processing of data, if necessary

Functions in External System

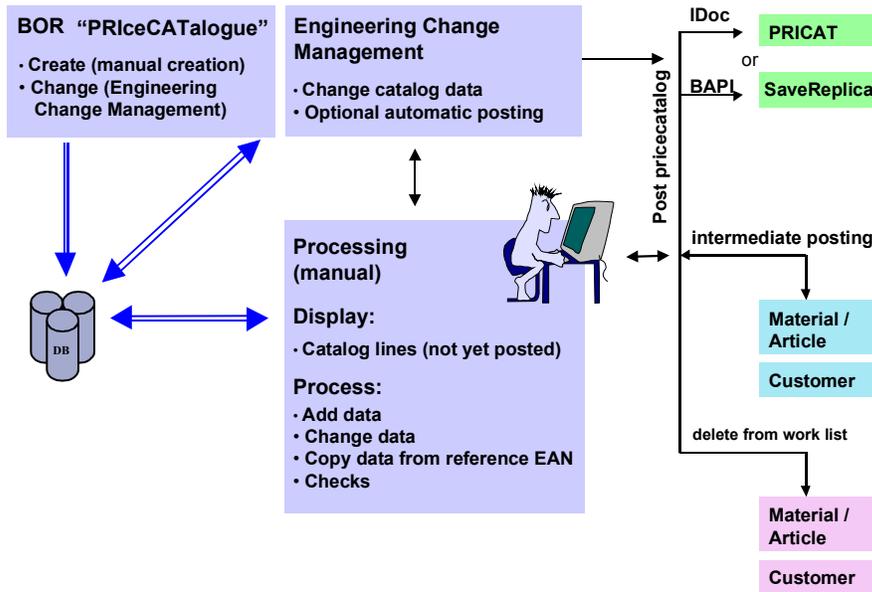
- Conversion of IDocs to the desired EDI message format (PRICAT or ANSI X12).

Business Process: Outbound Processing of PRICAT Messages

Data Flow

Creating the Price Catalog

PRICAT Outbound Processing



First you create the price catalog in the SAP system. You can further process the price catalog after it has been generated and before it is transmitted:

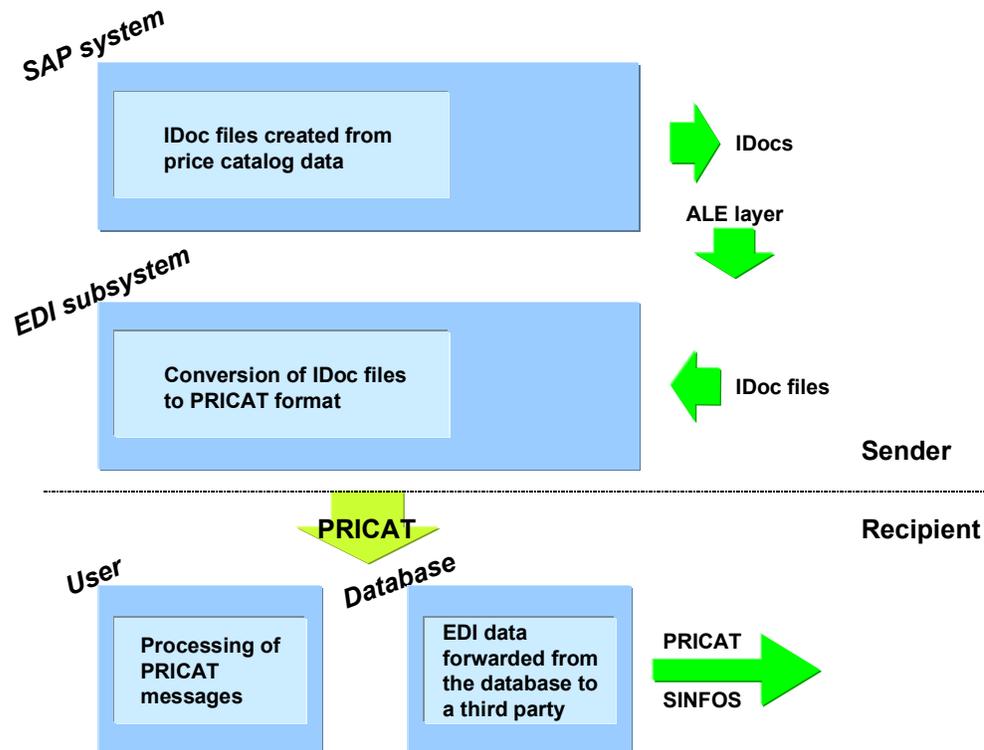
- Select which customers get which articles.
- Maintain the required customer settings so that the IDoc can be sent (partner number, for example).
- Enter data for optional fields (EANCOM fields that are not stored in the SAP system).
- Execute the change management program.
- If the system produces error messages, regenerate either individual items or entire price catalog after fixing errors in the master data.

You can set up the change management program to run in the background on a regular basis. If there are changes to the data in the price catalog, then you can have the system:

- Automatically send the updated price catalog information to customers (assuming the system detected no errors).
- Send a workflow message to the person responsible for checking/processing the price catalog data, indicating that new PRICAT messages need to be created and, if necessary, errors need to be fixed.

Business Process: Outbound Processing of PRICAT Messages

Generating the IDocs



1. IDocs are created from price catalog data in the SAP system.
2. The IDocs are then exported to the converter.
3. The converter reads the IDocs and converts them to PRICAT format.
4. The PRICAT files are then sent to the recipient, which may be a customer or a database. If the recipient is a database, then multiple users can access the price catalog information.

Price Catalogs on the Internet

When you create a price catalog, you can choose whether or not the catalog can be displayed on the internet. If so, you can limit which customers have permission to view the catalog. In any case, customers cannot place orders directly from the price catalog.

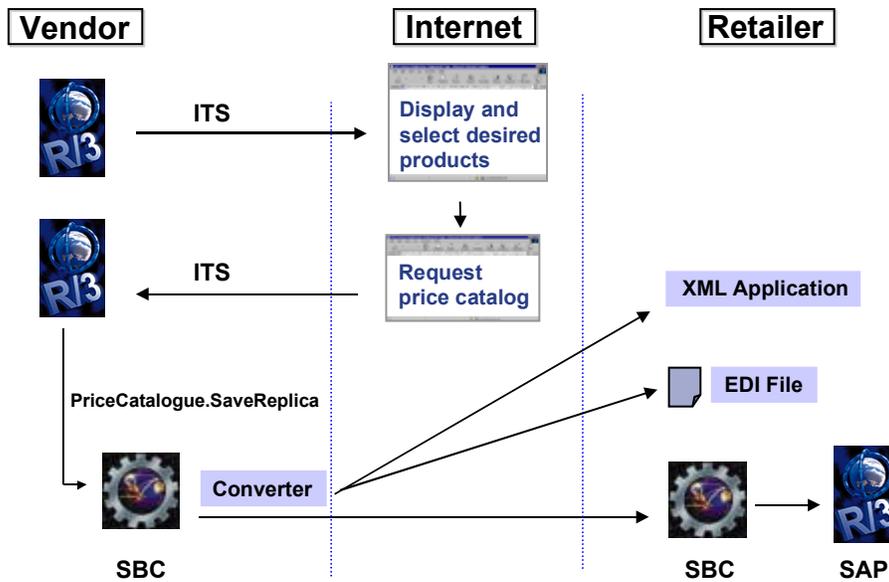
In addition, if you have an SAP Business Connection (SBC), then:

- Your price catalog recipients who also have an SBC can either download and process the data as an XML file or post the price catalog directly to their own SAP system.
- Your price catalog recipients who do not have an SBC can only download the data as an XML file.

In either case, customers can browse through the catalog and select the sections that are of interest to them, or download the entire catalog.

Business Process: Outbound Processing of PRICAT Messages

PRICAT Internet Scenario



Prerequisites

- SAP does not supply the IDoc-to-PRICAT converter itself. You can either obtain a converter from a third-party supplier or else arrange to have one programmed to your specifications.
- If the message recipient is an external database, then the database server must be entered as a customer in R/3.
- In order to make price catalogs available on the internet for download or posting as XML files, you must install a SAP Business Connection (SBC).
 If your customers want to be able to post your price catalog data to their own SAP systems (or to other external systems), then they must also install an SPC.

Procedure: Creating Price Catalogs

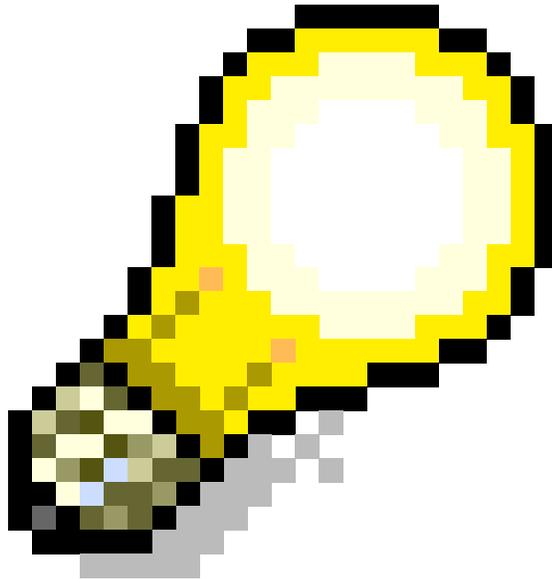
Procedure: Creating Price Catalogs

Use

This procedure allows you to manually trigger PRICAT messages (price catalog). This corresponds to the business process scenario: [Business Process: Outbound Processing of PRICAT Messages \[Page 6\]](#)

Prerequisites

1. You must first have assigned materials to one or more assortment modules, and one or more assortment modules to one or more assortments. You can also assign one or more message recipients (e.g., customers) to one or more assortments. This determines which materials are to be included in the message and which recipients are supplied.
2. You define a requirements profile (that is, the structure and content of the message) in Customizing. Within the profile you specify:
 - a. A site (for site-specific material data to be included in the message). The site is also used to determine the valid units of measure for the materials.
 - b. A sales order type, which affects price determination for billing.
 - c. Condition types and subtotals for the pricing calculation schema, which determines how the gross purchase price, net purchase price, and consumer retail price are handled in the message.
 - d. Whether, in addition to the prices, conditions are to be included. If so, you can enter four condition types.
 - e. Up to three condition types to be used for taxes (one of which can be marked for use as the value-added tax).
 - f. In order to determine bills of material, you must also enter a plant and a bill of material usage.



If there is more than one bill of material, the system always selects the first alternative.

Procedure

1. Access the transaction using either the menu path or the transaction code:

Menu	<i>Logistics → Sales and Distribution → Master Data → Agreements → Catalogs → Pricing catalog → Create</i>
Transaction code	VPRICAT

2. To create the price catalog, enter your selection data. As a minimum, you must at least fill in the basic data and price determination information.

a. Basic data

You assign a name to the price catalog and the validity period for the catalog. You must also specify the ILN (international location number) which will then be copied into the message.

You must enter either an assortment or a customer. By entering an assortment you determine the materials to be included in the message. If you don't enter a specific recipient, then the message will go to all customers assigned to the assortment. If you enter a recipient but no assortment, then the materials will be determined from all assortments assigned to the recipient.

b. Price determination

You specify the sales organization, distribution channel, and division for which the message is to be generated. If you don't want to carry out price determination for each message recipient individually, you can enter template to be used for customer price determination.

Procedure: Creating Price Catalogs

You can specify a date for price determination. This date can lie either within or outside the catalog validity period you defined above. You can also enter a calculation schema that differs from the standard calculation used for billing. It is possible to turn off tax and price determination entirely.



After creating the catalog (step 3 below) you can maintain the following additional data:

c. Sender information

You enter the currency used by the catalog plus syntax identifiers.

d. EC Management

Here you specify parameters for the automatic change version program, including how often you want the change version program to run. You can determine whether or not price catalogs updates that are generated without errors should be automatically sent to customers, or whether someone must approve and/or post-process them first. If the box is not checked, then a workflow item is automatically sent to the person responsible for post-processing whenever price catalog updates are generated.

e. Internet

If you plan to make your price catalog available to customers over the internet, you can choose an internet release strategy: No release (no one can view it, perhaps because it is still under development), only for known customers (for which you have a customer master record), only for customers you have assigned to the catalog, or for all customers who might want to access it. You can also assign a customer template to the catalog.

3. Close the dialog box. The system then creates the price catalog. Next to each customer in the list, there is a button with one of the following colors:

- **Green** indicates all price catalog data has been copied for that customer.
- **Yellow** indicates that there are some items which still need to be copied for that customer.
- **Red** indicates one or more items in the price catalog contain errors.

You can click a button at the top left of the screen to display the error logs.

4. If you have warnings or errors, return to the previous screen and double-click one of the materials that has a problem. You go directly to the material master data and make the necessary changes. Then click the update icon on the Price Catalog screen to copy the changed master data into the price catalog, and save the item.
5. Do one of the following:
 - a. Select *Send price catalog* to transfer the data to your customers. Only those positions that are open (yellow status) are copied.
 - b. If you want to send a complete version of the price catalog, select *Send complete version*.

Result

If the process is successful, the system creates one IDoc for each recipient.

Procedure: Creating Price Catalogs

To see the contents of the IDocs, you can use transaction WEDI and then choose *IDoc* → *Display IDoc*.

Business Process: Inbound Processing of PRICAT Messages

Purpose

You want to be able to receive price catalog information from outside systems, for example:

- When suppliers have changed their prices for existing products
- When suppliers offer new products or have made changes to existing products (for example, new units of measure)

Furthermore, you can modify the data once received; for example, to map EAN/UPC material numbers to SAP material numbers, or expand the data received.

Integration

Functions in R/3

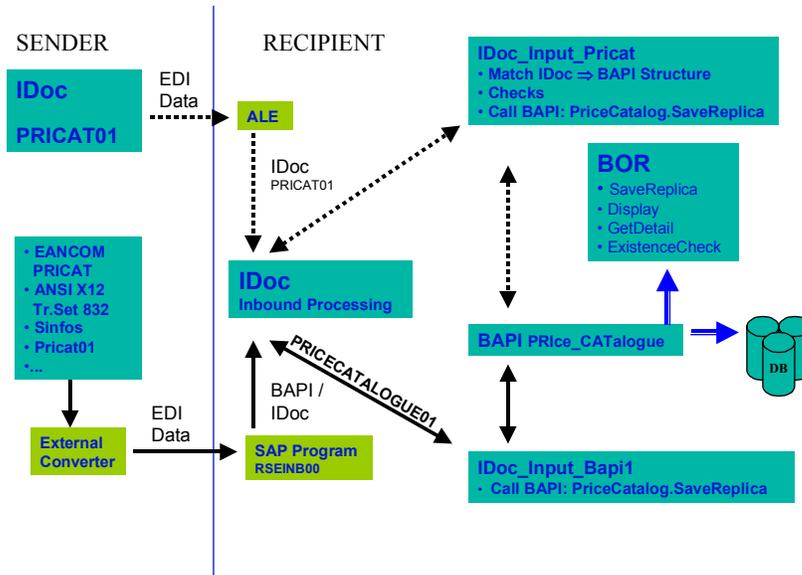
- Creation of SAP business object PriceCatalog
- Processing price catalog data (BOR) into R/3 master data
- Conversion of EAN/UPC numbers to equivalent R/3 article numbers
- Additional manual processing of data, if necessary
- Checking that the changes to the catalog and/or articles have been posted properly (if not, then the application log routes the error for correction)

Functions in External System

- Conversion of message format (PRICAT or ANSI X12) to IDoc format

Business Process: Inbound Processing of PRICAT Messages

Data Flow

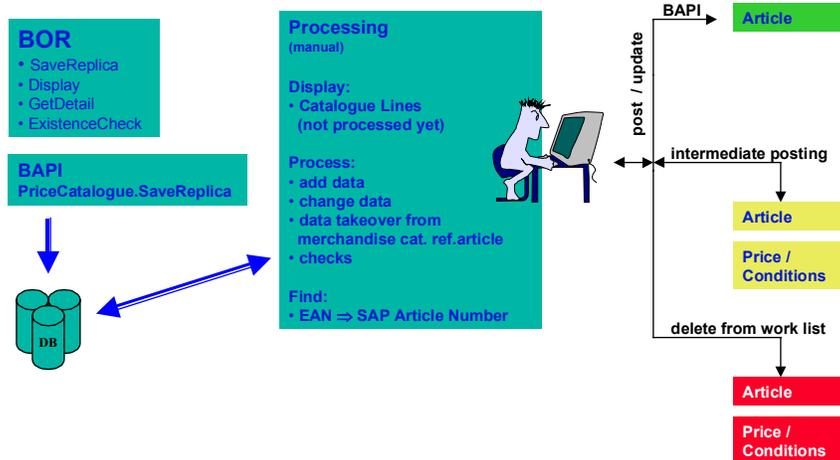


1. Price catalog data can be received from other R/3 systems directly in IDoc format. If the external system is a non-R/3 system then an external converter must read the PRICAT messages and convert them first to IDoc format.
2. The incoming IDocs are checked for errors.
3. R/3 creates an instance of business object PriceCatalog in the Business Object Repository

For SAP Retail systems only:

Assuming that further manual processing is required after PRICAT messages are received, the flow is as follows:

Business Process: Inbound Processing of PRICAT Messages



- The person responsible maintains the following:
 - Assignment of the ILN to the vendor and purchasing group
 - Assignment of the incoming merchandise category to an SAP merchandise category (*optional*)
 - Assignment of the SAP merchandise category to a purchasing group (*optional*)
- Workflow routes the incoming messages to the appropriate purchasing groups.
- The person responsible processes the data further, creating an R/3 article record (if it does not already exist), plus additional changes as necessary. The SAP article and vendor numbers must be unique.
- Data is posted to the material master data.

Prerequisites

- SAP does not supply the PRICAT-to-IDoc converter itself. You can either obtain a converter from a third-party supplier or else arrange to have one programmed to your specifications.
- Additional processing is only possible if you have an SAP Retail system.
- The ILN of the sender must be released
- The vendor must already exist in the receiving R/3 system.

Procedure: Receiving and Processing Inbound PRICAT Messages

Use

This procedure allows you process incoming PRICAT messages, add or change the data as necessary, and post the data to the R/3 database. This corresponds to the business process scenario: [Business Process: Inbound Processing of PRICAT Messages \[Page 14\]](#).

Prerequisites

1. You must assign the ILN numbers in the PRICAT message to SAP vendors and to purchasing groups and maintain the history option for the vendors' catalogs.

To do this, from the main Retail menu choose *Master data* → *Article*, then *Environment* → *PRICAT Article maintenance from price catalog*, then *Utilities* → *Settings* → *Assign ILN to SAP vendor/purch. group* (transaction PRICATCUS1).

Optionally, you can enter an SAP vendor number. If you do not make an entry, then the system will determine the vendor based on the ILN, in which case the ILN must be assigned to only one vendor.

You must enter a purchasing group.

Choose the settings you want for the catalog history.

2. (Optional) You can assign merchandise categories in the PRICAT message to the corresponding SAP merchandise categories.

To do this, from the main Retail menu choose *Master data* → *Article*, then *Environment* → *PRICAT Article maintenance from price catalog*, then *Utilities* → *Settings* → *Assign merchandise category to SAP merchandise categories* (transaction PRICATCUS2).

3. (Optional) You can assign purchasing groups to selected merchandise categories.

To do this, from the main Retail menu choose *Master data* → *Article*, then *Environment* → *PRICAT maintenance from price catalog*, then *Utilities* → *Settings* → *Assign purchasing group to SAP merchandise categories* (transaction PRICATCUS3).

Process Flow

1. From the main Retail menu, choose *Master data* → *Article* and then *Environment* → → *PRICAT maintenance from price catalog* (transaction PRICAT).
2. Enter the internal catalog number (if known), or else specify that the system is to determine the catalog via the vendor number, catalog description and test indicator.
3. To maintain catalog header data, choose *Catalog data*. The header data contains information about the sender and receiver, plus general message data.

A catalog can have one of the following statuses:

- **Open:** The catalog contains items which have not yet been maintained.
- **Maintained:** No further maintenance is required. You must set this status manually when you have finished working with the data. When the catalog is subsequently updated, the status will be reset to **Open**.

Procedure: Receiving and Processing Inbound PRICAT Messages

- **Locked:** You can display the contents, but cannot make any changes. You cannot update a locked catalog. This status is also set manually.

In addition, there is test indicator which tells you whether this is just test data. If so, you can only display the data, not maintain it.

4. To maintain item lines, choose *Article list*. To limit the number of catalog items to be displayed, you can enter purchasing groups and product groups. If you plan to maintain data instead of just displaying it, you **must** enter a purchasing group.

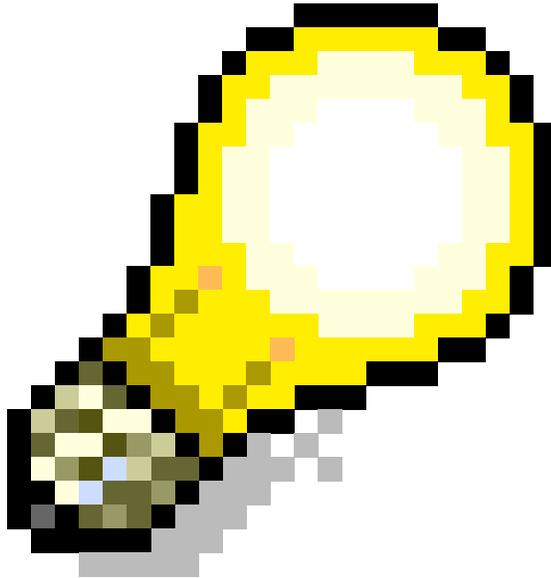
The system displays all items which have yet to be maintained for this catalog. Each item will have one of the following statuses:

- **To be maintained:** New items have this status.
- **Maintained:** An R/3 article master record has been created for these items.
- **Locked:** This setting disables manual maintenance. Items with this status will not appear in the purchasing group worklist.

You can change the status of any item manually, or assign items to other purchasing groups.

5. Choose *Edit items*.

If an article has not yet been assigned to an item, the system will bring up the *Assign catalog item to R/3 article* screen. You can change the assignment any time afterward, but this can result in loss of the data you have already entered.



If an article does not already exist in R/3, then you must supply a reference article. The system will copy data from this reference article to fill in fields not supplied by the PRICAT message.

6. You select which segments in the PRICAT message are to be transferred to R/3. To do this, click the *To be processed* field next to each desired segment.

Procedure: Receiving and Processing Inbound PRICAT Messages

If you already have a transfer profile stored in R/3 for a specific combination of vendor and user, you do not have to select the segments manually. The system will automatically select the appropriate segments for you.

Transfer profiles can have the following settings:

- **Always:** The profile is automatically used. You do not have to do anything.
- **On request:** The system will display a dialog box, asking you whether
- **Not used:** The system will not automatically use the profile. If you wish to use the profile, you must explicitly select *Utilities* → *Copy profile* → *Load*.

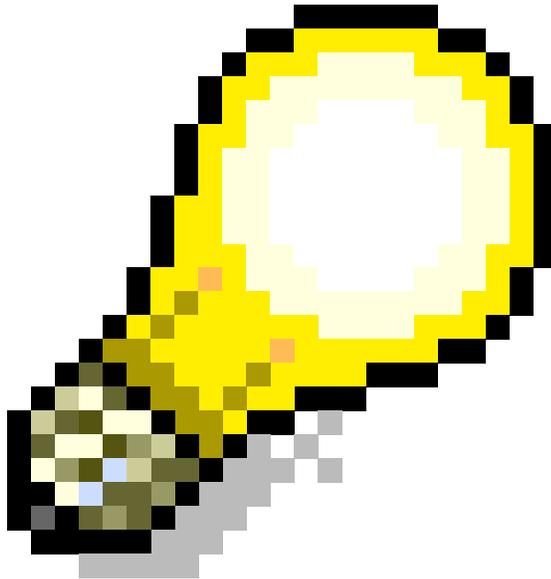
To maintain the profiles themselves, choose *Utilities* → *Copy profile*.

7. Choose *Copy all values* to activate the data transfer. You must do this for every screen.
8. The system attempts to match the unit of measure values from the R/3 reference article with unit of measure values from the PRICAT message. You may need to add or change values manually. To do this:
 - a. Choose the tab strip *Units of measure*.
 - b. Choose *Assign EAN unit of measure to R/3 unit of measure* (or simply double-click the EAN line).
 - c. In the resulting dialog box, enter the appropriate R/3 unit of measure.
9. Just as items have a particular status, units of measure within the catalog also have a status. This status is automatically saved when the article is posted. However, you can manually save it by selecting *Article items* → *Save units of measure status* from the menu.

You can control the posting via the item status, so that only those units of measure with a status **To be maintained** are posted to R/3. You can suppress the posting for a particular unit of measure by changing its status to **Maintained**.

To make further changes to a unit of measure, select it in the table and then choose *Display/Change unit of measure*.

10. You can maintain texts for an article in various languages. Choose *Copy text* to import the texts. You can then change the texts as necessary, or delete certain texts which should not be copied to the article master data.
11. Choose *Copy components* to import BOM components from the price catalog. In the resulting dialog box you assign the components to the corresponding R/3 articles.

Procedure: Receiving and Processing Inbound PRICAT Messages

You can only change the BOM within integrated article maintenance.

Characteristics (for generic articles), prices, conditions, and taxes cannot be posted automatically.

Result

The article master records in R/3 are updated and/or new records are created.

Catalog Tables and Mapping

Transfer of Data to the BAPI Interface of Method BAPI_PRICE_CATALOGUE_SAVEREPLICA

For the incoming catalog data to be updated, the interface must be supplied with structures or tables, which are used to compile the catalog database tables. For each of the database tables listed below, a description is provided of how data is to be transferred to the interface. The following general rules apply:

- Key fields are marked with "X" and must be supplied with data.
- If key fields are assigned internally, they do not need to be supplied with data externally.
- Fields marked with "B" are elements of the BAPI interface for catalog storage and must be supplied with all data externally. Mandatory fields for supplying the BAPI are marked accordingly.
- If fields are grayed out, they are either not available on the inbound side or are not processed on the outbound side.

Supplying Data Using EANCOM PRICAT or Outbound IDoc PRICAT01

The table descriptions given below list the information that can be transferred from the PRICAT message to the price catalog. However, the individual catalog tables (in particular the item information) contain further information which is also copied in full from the outbound IDoc. These fields are included in the table descriptions only occasionally or not at all.

PRICAT_K001: Catalog Header

PRICAT_K001: Catalog Header

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
IlIn_Sender	B	An 35	E1adrm1-Partnerqr E1adre1-Extend_D	NAD-C082-3039 if 3035='SU' ILN of person responsible data	Must exist in PRICAT_001; no formal check; Create index <u>The following are not suitable as vendors:</u> UNB-S002-0007 = Sender of the message NAD-C082-3039 if 3035='SU' BAPI mandatory field	
Unique_Reference	B	An 14	E1edk02-Belnr	Not available	Pool / Summer98 / Autumn fair / ...; Index Must be uniquely assigned by the converter (see below) (e.g.: 'Pool') BAPI mandatory field	
Test_Indicator	B	N 1		UNB-S005-0035	Test transfer Index	
Pristate		An 2			Open / closed, ... ; is set manually during online processing	
Liefnr		LFA1-Liefnr			Determined via sender-ILN from PRICAT_001	Purchasing info record (Eina-Lifnr)

PRICAT_K001: Catalog Header

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Ekgrp		T024-Ekgrp			Determined via sender-ILN from PRICAT_001 (also exists in catalog lines)	
lIn_Recipient	B	An 35	E1adrm1-Partnerq=Mr E1adre1-Extend_D	UNB-S003-0007	No formal check BAPI mandatory field	
Date_Message	B	Sy-Datum	E1edk02-Datum	UNB-S005-0017	Last transferred date BAPI mandatory field	
Time_Message	B	Sy-Uhrzeit	E1edk02-Uzeit	UNB-S005-0019	Last transferred time BAPI mandatory field	
Priname		Sy-Uname			Determined internally from SAP transfer	
Syntax_Identifier	B	A 4		UNB-S001-0001	Character set UNOA	
Syntax_Version	B	N 1		UNB-S001-0002	Version of character set 3	
Password_Recip	B	An 14		UNB-S005-0022	Reference or password of recipient	
lIn_Party_Id	B	An 35		NAD-C082-3039	ILN of the data source (e.g. ILN of the pool)	
Currency_Sender	B	Tcurc-Isocd	E1EDK23-Waerq if Qualif = 002	CUX-C504-6345 first group	ISO currency sender/price list	

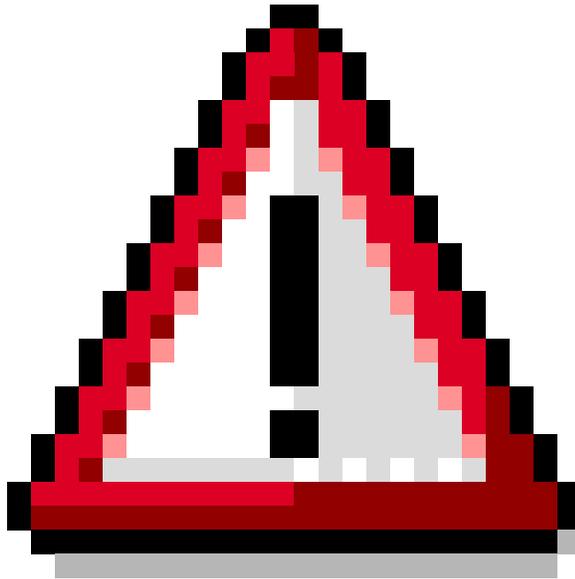
PRICAT_K001: Catalog Header

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Currency_Recip	B	Tcurc-Isocd	E1EDK23-Waerz if Qualif = 004	CUX-C504-6345 second group	ISO target currency (may not be available)	

Supplying the BAPI interface

Transfer: Structure

The system checks whether a catalog already exists using the sender, the reference, and the test indicator. If it does not, the system creates a new one. If it does, certain data is updated. If an existing catalog has already been closed, the data is not processed further.



It is possible that data from several vendors is transferred in one message. When you change the vendor, the converter must create a new IDoc so that the catalog data can be archived per vendor.

PRICAT_K002: Catalog Item - Product Groups

For grouping catalog lines within the product group information transferred.

Structure and Mapping Suggestion

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18 Wsoh-Skopf-	E1Wsohm-Skopf	PGI-C288-5389 or PGI-5379 if no Grp is used	PGI or assortment module from the PRICAT IDoc, usually AN3 but length 18 because of assortment module The articles are assigned via this product group BAPI mandatory field	
Prodgroup_Text	B	AN 35	E1Wsohm-Vtext	PGI-C288-5388	PGI or assortment module text from Pricat_IDoc BAPI mandatory field	

Supplying the BAPI interface

Transfer: Table

Even if the manufacturer/vendor does not use a group (for example, in the case of the data transfer Sinfos) In this case, the content of PGI-5379 can be entered in the product group.

If there are article changes within a catalog, you must ensure that the article is always assigned to the correct (previously transferred) product group. If this is not the case, it may be assigned to an incorrect group.

PRICAT_K003: Catalog Item - Basic Data

PRICAT_K003: Catalog Item - Basic Data**PRICAT_K003: Catalog Item - Basic Data**

Data from catalog lines for processing the basic data of an article (MARA, MAW1). Selection data is added for processing.

Structure and Mapping Suggestion

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	An 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_UPC_Base	X B	An 35	E1Maram-Ean11	Pit/Pia-C212-7140 or LIN-C212-7140 if 7143=EN/ UP	EAN / UPC-Code of the base unit of measure of the article (consumption unit) BAPI mandatory field	Mara-Ean11
Validity_Base	X B	An 8	Day's date	Dtm-C507-2380 if C507-2005 = 7 C507-2379 = 102	Date from which the transferred article data is to be valid. BAPI mandatory field	

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Ean_Upc_Type	B	Mara-Numtp (An 2)	E1Maram-Numtp	Pit/Pia-C212-7143 or LIN-C212-7143	Article identification type: must exist in table TNTP; No conversion takes place BAPI mandatory field	Mara-Numtp
Bearb_Stat		An 2			To be processed / Processed / Do not display any more / ... (set internally)	
Matnr		An 18 T023-Matkl	Not from E1Maram-Matnr		Assigned SAP article number; this is determined from the transferred EAN. If it does not exist, one is assigned for posting purposes	Mara-Matnr
Pur_Group	B	An 3 T024-Ekgrp	Not from E1Bpe1ma w1rt-wekgr or E1Marc-ekgrp		Determined via sender-ILN from PRICAT_001, can be changed manually	Maw1-Wekgr
Material_Group	B	An 35	E1Maram-Matkl	PIA-C212-7140 if 7143 = ,GN'	Merchandise category from the message BAPI mandatory field	Mara-Extwg
Matl_Group		Mara-Matkl (An 9)	Not from E1Maram-Matkl		Converted: from Material_Group; may be the same as merch. cat of sender	Mara-Matkl

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Mat_Id_Sender	B	An 35	E1Maram-Matnr (SAP article number of the source system)	PIA-C212-7140 if 4143 = SA (and 3055 = 91)	The SAP article number of the target system is determined via the transferred EAN. In the case of R/3-R/3 connections, it may be the same as the E1maram-Matnr, if external number assignment is defined. BAPI mandatory field	Purchasing info record (Eina-Idnlf)
Shelf_Life_Msg	B	An 6	E1maram-Mhdhb (Char 6)	DTM-C507-2380 if C507-2005=364	Shelf life measured in days, months, or years	Mara-Numtp (An 4)
Shelf_Life_Qual	B	An 3	E1maram-lprkz	DTM-C507-2379 if C507-2005=364	Time unit of the shelf life Internal conversion of the Eancom time unit to the SAP time unit	Mara-lprkz
Composition	B	An 3	E1maram-Przus	PAC-C531-7233	Product composition on packaging Internal conversion 54=yes; INM=no	Mara-Przus
Matl_Type	B	An 4	E1maram-Mtart		Article type: Can be taken from the MC reference article, however, manual processing is necessary	Mara-Mtart
Matl_Cat	B	An 2		IMD-C273-7009 =CU Basis =SG BOM	Article category: manual processing	Mara-Attyp

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Stack_Fact		An 5	E1Maram-Stfak (CHAR 5)	HAN-C524-4079 =UST = no =STK = yes =STR = limited or MEA-6311=AAE 6313 = SF	Stacking factor manual conversion of the HAN values In R/3 only at Mara level, not possible for units of measure Also exists for information purposes per unit in PRICAT_K004-P_Pallet_Stack	Mara-stfak > 0 (INT 2)
Envt_Rlvt		An. 1	E1Maram-kzumw	IMD-C273-7009 if 7081 = HAZ and 7077 = C	Safety data sheet: Indicator yes/no <u>internal conversion</u> to 'yes' if the BAPI field is not blank.	Mara-Kzumw
Hazmatprof		An 4	E1Maram-Profl		Hazardous material classification <u>manual conversion</u> of the HAN values The information also exists in Pricat_K003Z-P_Hazard_Class (4-char.)	Mara-Profl
Countryori Contryori_iso		(Marc-Herkl) Maw1-Wherl	E1Marc-Herkl E1Bpe1maw1rt-....	ALI-3239	Country of origin in ISO <u>internal conversion</u> to SAP country	(Marc-Herkl) Maw1-Wherl

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Net_Cont	B	N...13		MEA-C174-6314 if 6311 = AAE C502-6313 = UCO	Net content of the unit e.g. 1 piece, 0.5 liter, 500 gram Only possible for article, not unit of measure	Mara-Inhal
Cont_Unit Cont_Unit_Iso	B	An...3		MEA-C174-6411 if 6311 = PD C502-6313 = UCO	Unit of measure for Net_Cont in ISO	Mara-Inhme
MARA fields	B				Further article master fields (Mara) are not listed here individually.	
MAW1 fields	B				Further article basic data extensions (Maw1) are not listed here individually.	

Supplying the BAPI interface

Übergabe: Tabelle

An entry is made in the interface table for every PIT (+ first PIA) segment or. LIN segment that is **not** a subitem. However, only the basic material (items to which no subitems are assigned) are stored in the database. This decision can also be made by the converter. It then only needs to transfer the consumption units.

Based on the example for article with unit of measure, there are then 4 entries with the following values in P_Ean_Basis:

- 40000000000123 Consumption unit
- 40000000000134 Vendor unit-1 the P_Warengruppe may not exist do **not** include in K003
- 40000000000149 Vendor unit-2 the P_Warengruppe may not exist do **not** include in K003

PRICAT_K003: Catalog Item - Basic Data

- 40000000001117 Consumption unit

PRICAT_K003Z: Catalog Item - Additional Basic Data

Additional data to the basic data of the catalog lines, which either cannot be processed automatically because the relevant article segments are not supported, or contains the information needed for manual processing or conversion within integrated article maintenance (see preceding EAN)

Structure and Mapping Suggestion

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Base	X B	An 35	E1Maram-Ean11	See basic data	EAN/UPC of the base unit of measure BAPI mandatory field	Mara-Ean11
Validity_Base	X B	An 8	See basic data	See basic data	Validity date, article modification BAPI mandatory field	
Comm_Code	B	An 35	E1Marc-Stawn	PIA-C212-7140 if 7143 = HS	Customs tariff number: No further processing, as the Marc segment is currently not supported	(plant data Marc-Stawn)
Precedes_Mat_Id	B	AN 35		PIA_C212-7140 if 4347 = 4	Preceding EAN: The current article number must be entered manually as the follow-up material for the article determined by the preceding EAN	(plant data Marc-Nfmat)

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Follow_Up	B	Marc-Nformat AN 18	E1Marcm-Nformat		Follow-up material: No further processing, as the Marc segment is currently not supported	(Werksdaten Marc-Nformat)
Hazard_Class	B	An 4	E1Maram-Profl	HAN-C218-7419	Hazardous material classification <u>manual conversion</u> of the HAN values Only at Mara level, not possible for units of measures The information (conversion) is also contained in Pricat_K003-Hazmatprof (3-char.)	Mara-Profl
Hazard_Description	B	An 35		IMD-C273-7008 if 7081 = HAZ <u>and</u> 7077 = B	Hazardous material description field 1 Only for online information purposes (in the case of Sinfos can include, for example, the hazard item number and letter: 7009 = G01; C273-3055 = 60)	
Hazard_Description_2	B	An 35		As above	Hazardous material description field 2 (e.g. the hazardous substance number 7009 = G03; C273-3055 = 60)	
Hazard_Description_3	B	An 35		As above	Hazardous material description field 3 (e.g. the hazardous material number 7009 = G04; C273-3055 = 60)	

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Saison_Period	B	An 35		DTM-C507-2380 if C507-2005=44 and C507-2379=718 ALI-4183 = 95E	Seasonal ordering from – to (YYYYMMDD-YYYYMMDD) The DTM segment relates to a previous ALI segment with 95E	Mara-Season
Validity_Base	B	An 35		DTM-C507-2380 if C507-2005=7 and C507-2379=102	Validity date (YYYYMMDD)	
MARA fields					Further article master fields (Mara)	
Basic_Matl	B	AN 14	E1Maram-Wrkst		Material	Mara-Wrkst
Std_Descr	B	AN...18	E1Maram-Normt		Standard description	Mara-Normt
Dsn_Office	B	AN 3	E1Maram-Labor		Laboratory / design office	Mara-Labor
Competitor	B	AN 10	E1Maram-Kunnr		Competitor	Mara-Kunnr
Size_Dim	B	AN...32	E1Maram-Groes		Size/dimension	Mara-Groes

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Manufacturer	B	AN...35	E1Maram-Mfmr	NAD-C082-3039 if 3035 = MF	Manufacturer of the goods manual conversion of the ILN to a SAP vendor number	Mara-Mfmr
Display fields					Further article data of the PRICAT message that is not processed further in R/3	
Genetic_Info	B	AN 18		IMD-C273-7009 if 7081 = 4	Information on genetic engineering	
Alcohol_Percent_Vol	B	AN 18		MEA-C174-6314 if 6311 = AAG and 6313 = XCR	Alcohol percentage volume	
Fat_Content	B	AN 18		MEA-C174-6314 if 6311 = FCT and 6313 = XCR	Fat content (measured value)	
Keep_Refrigerating	B	AN 3		MEA-C502-6155 if 6155=43 and 6311 = SO	Keep refrigerated convert manually	Mara-Temp_Conds

PRICAT_K003: Catalog Item - Basic Data

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Keep_Frozen	B	AN 3		MEA-C502-6155 if 6155=44 and 6311=SO	Keep frozen convert manually	Mara-Temp_Conds
Keep_Dry	B	AN 3		HAN-C254-4079 = SD	Keep dry convert manually	Mara-Store_Conds
Heat_Sensitive	B	AN 3		HAN-C254-4079 = HS	Heat-sensitive convert manually	Mara-Store_Conds
Green_Dot	B	AN 3		PAC-C531-7233	Suitability for recycling marked on goods RCM = recycling marked RNM = recycling not marked	
Expiration_Date	B	AN 3		PAC-C531-7233	Shelf life expiration date indicated on goods BDM = expiration date indicated BNM = expiration date not indicated	
Price_Marking	B	AN 3		PAC-C531-7233	53 = Price indicated on the goods	

Supplying the BAPI interface

Transfer: Table

Entries in the interface table are made parallel to the entries in the basic data table, if data exists.

PRICAT_K003: Catalog Item - Basic Data

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Structure and Mapping Suggestion

All units of measure for an article are archived here with their weights and dimensions.

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Altunit	X B	An..35	E1Pmarm-Ean11	Pit/Pia-C212-7140 or LIN-C212-7140 if 7143=EN/UP	EAN of the unit of measure BAPI mandatory field	
Validity_Unit	X B	An 8	Day's date	Dtm-C507-2380 if C507-2005 = 7 C507-2379 = 102	Date from which the transferred packaging unit data is to be valid. BAPI mandatory field	

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Ean_Upc_Type	B	Mara-Numtp (An 2)	E1Pmarm-Numtp	Pit/Pia-C212-7143 or LIN-C212-7143	Article identification type: must exist in table TNTP; No conversion takes place BAPI mandatory field	Marm-Numtp
Bearb_Stat us		An 2			To be processed / Processed / Do not display any more / ... (set internally)	
Non_Public	B	An 1		NAD-C082-3039 if 3035 = BY Conversion to y/n	Indicates that this is a non-public article or unit of measure. (Outbound: send ILNs of the allowed retailers)	
Item_Number	B	N 6	Assigned according to sequence in IDoc	PIA-C212-7140 if 7143 = LI for base and packaging unit.	Sequence number of a catalog line From article or unit of measure (Print sequence of the vendor) BAPI mandatory field	
Ean_Upc_Base		An 35	E1Maram-Ean11	See basic data	Determined <u>internally</u> EAN/UPC of the base unit of measure Not a part of the key, as the EAN of the unit of measure is unique	Mara-Ean11

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Ean-Upc_Subline	B	An 35	E1Pmarm-Ean11	Pit/Pia-C212-7140 or Lin-C212-7140 if 7143=EN/UP and Pit/Lin 5491=1	Subitem of P_Ean_Unit which, with segment: IMD+C++CU::9 is defined as a consumption unit BAPI mandatory field	Marm-Ean11
Quantity_Subline	B	N 15		Qty-C186-6060 if 5495 = 1 = subline and C186-6063=52	P_Ean_Unit contains P_Qty_Subline from P_Ean_Subline; is converted <u>internally</u> to Umrez and Umren BAPI mandatory field For subitems only, otherwise 1	
Quantity_Unit	B	N 15		Qty-C186-6060 if 5495 <> 1 = not a subline and C186-6063=52	Number of base article units included Is converted <u>internally</u> to Umrez and BAPI mandatory field For subitems only, otherwise 1	
Alt_Unit Alt_Unit_Iso	B	Marm-Meinh	E1Pmarm-Meinh	Qty-C186-6411	Unit of measure for P_Ean_Unit in ISO i.e. for base unit of measure too BAPI mandatory field	Marm-Meinh (Marm-Meins)
Numerator	B	Marm-Umrez	E1Pmarm-Umrez		Numerator for conversion factor UnM-Base UnM	Marm-Umrez
Denominator	B	Marm-Umren	E1Pmarm-Umren		Denominator for conversion factor UnM-Base UnM	Marm-Umren

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Length	B	Marm-Laeng	E1Pmarm-Laeng	MEA-C174-6314 if 6311 = PD C502-6313 = LN	Length / Depth in unit of measure (Sinfos: always in mm)	Marm-Laeng
Width	B	Marm-Breit	E1Pmarm-Breit	MEA-C174-6314 if 6311 = WD C502-6313 = LN	Width in unit of measure (Sinfos: always in mm)	Marm-Breit
Hight	B	Marm-Hoehe	E1Pmarm-Hoehe	MEA-C174-6314 if 6311 = HT C502-6313 = LN	Height in unit of measure (Sinfos: always in mm)	Marm-Hoehe
Unit_Ln Unit_Ln_Is o	B	Marm-Meabm An...3	E1Pmarm-Meabm	MEA-C174-6411 if 6311 = PD C502-6313 = LN	Unit of measure for the length in ISO	Marm-Meabm see below
Unit_Wd Unit_Wd_I so	B	Marm-Meabm An...3	E1Pmarm-Meabm	MEA-C174-6411 if 6311 = WD C502-6313 = LN	Unit of measure for the width in ISO	Marm-Meabm see below

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Unit_Ht Unit_Ht_Iso	B	Marm-Meabm An...3	E1Pmarm-Meabm	MEA-C174-6411 if 6311 = HT C502-6313 = LN	Unit of measure for the height in ISO	Marm-Meabm see below
Gross_Wt	B	Marm-Brgew	E1Pmarm-Brgew	MEA-C174-6314 if 6311 = PD C502-6313 = AAB	Gross weight of unit	Marm-Brgew
Unit_Of_Wt Unit_of_Wt_Iso	B	Marm-Gewei	E1Pmarm-Gewei	MEA-C174-6411 if 6311 = PD C502-6313 = AAB	Unit of measure of the gross weight in ISO <u>Internal</u> conversion to SAP unit	Marm-Gewei
Volume	B		E1Pmarm-Volum		Volume	Marm-Volum
VolumeUnit VolumeUnit_Iso	B		E1Pmarm-Voleh		Volume unit	Marm-Voleh
Unit_Base Unit_Base_Iso	B		E1Pmarm-Mesub (not available)		Sub-packaging unit that belongs to the current unit of measure	Marm-Mesub

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
MARA fields					Further article data from the MARA that also contain the PRICAT message per unit of measure	
Net_Wt	B	Mara-Ntgew	E1Maram-Ntgew	MEA-C174-6314 if 6311 = PD C502-6313 = ADX	Net weight of unit Only possible for article, not for unit of measure	Mara-Ntgew
Unit_Of_Wt Unit_of_Wt_Iso	B	Mara-Gewei	E1Maram-Gewei	MEA-C174-6411 if 6311 = PD C502-6313 = ADX	Unit of measure of the net weight in ISO <u>Internal</u> conversion to SAP unit	Mara-Gewei
Unit_Purord Unit_Purord_Iso		AN 3	E1Maram-Bstme		Order unit <u>internal</u> conversion to SAP unit of measure	Mara-Bstme
Pallet_Stack	B	An 5	E1Maram-Stfak (CHAR 5)	HAN-C524-4079 =UST = no =STK = yes =STR = limited or MEA-6311=AAE 6313=SF	Handling instructions: stackable, not stackable manual conversion of the values In R/3 only possible at Mara level, not for units of measure Also exists in PRICAT_K003-Stack_Fact	Mara-stfak > 0 Display only Mara maintenance only from Pricat_K003

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Display fields					Further article data from the PRICAT message, which is noted here for online display purposes only	
Delivery_Unit_Id	B	An 17		IMD-C273-7009=DU	Unit is the delivery unit of the sender For online information purposes only	
Invoice_Unit_Id	B	An 17		IMD-C273-7009=IN	Unit is the billing unit of the sender For online information purposes only	
Order_Unit_Id	B	An 17		IMD-C273-7009=OR U	Unit is the order unit of the sender For online information purposes only	
Package_Type	B	An 17		PAC-C202-7065 = BX, CX, BT, NE,...	Packaging type of the unit For online information purposes only	
Prod_Id_Sender	B	An 35		PIA-C212-7140 if 4143 = SA (and 3055 = 91)	In PRICAT, a separate article number can be transferred for each unit of measure. However, this article number cannot be processed (online display only)	

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Hazard_Limit	B	An 17		IMD-C273-7009 if 7077 = C and 7081 = HAZ	Hazardous material indicator: limited quantity For online display purposes only	
Barcode_Id	B	An 3		PAC-C531-7233 = 50	Bar code indicator: packaging as well For online display purposes only	
Pallet_Handling	B	An 17		PAC-C202-7065 = 08, 09, ..	Pallet handling (returnable, not returnable...) For online information purposes only	
Pallet_Type	B	An 17		PAC-C202-7065 = 200, 201, ...	Pallet type (ISO, Euro...) For online information purposes only	
Pallet_Layer	B	An 18		MEA-C174-6314 if 6311 = AAE and 6313 = LAY	Number of possible layers For online information purposes only	
Pallet_Units	B	An 18		MEA-C174-6314 if 6311 = AAE and 6313 = NUP	Number of possible units For online information purposes only	

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Pallet_Height	B	An 18		MEA-C174-6314 if 6311 = AAE and 6313 = AEA	Pallet loading height For online information purposes only	
Unit_Palht_Iso	B	An 18		MEA-C174-6411 for loading height	Unit for the loading height in ISO For online information purposes only	

Supplying the BAPI interface

Transfer: Table

An entry is made in the interface table for every PIT/PIA) segment or. LIN segment that is **not** a subitem. If no subitem is assigned to the PIT/PIA or LIN segment, the P_Ean_Unit must also be set in P_Ean_Subline.

If one or more subitems are assigned to the PIT/PIA or LIN segment, an entry is made in the interface table for each subentry.



The PIT/PIA or LIN segment cannot be qualified as an assortment unit (IMD+C++SG::9) by an IMD segment. These assortment units are transferred in the BOM interface table. It must be defined as a consumption unit (IMD+C++CU::9)

Based on the example for article with unit of measure, there are then the following entries:

P_Ean_Basis	P_Ean_Unit	P_Ean_Subline
P_Quantity	Menge	
determined internally	via interface	via interface
Interface	per base unit	
• 40000000000122	40000000000122	40000000000122
Consumption unit	1	1
• 40000000000122	40000000000134	40000000000122
unit-1	8	8 Delivery

PRICAT_K004: Catalog Item - Units of Measure, Dimensions and Weights

- 40000000000122 40000000000149 40000000000134 Delivery
 unit-2 24 192
- 400000000001117 400000000001117 400000000001117
 Consumer unit 1 1

Mapping to R/3 System

In the article master, the conversion of all units of measure of the MARM always relate to the base unit of measure. In EANCOM format, units of measure can relate to units of measure other than the base unit of measure.

The individual units of measure for an article are not represented in R/3 as separate articles. Instead they are stored in the **MARM** table. An entry is also made for the smallest article unit (base unit of measure) in the Marm. Based on the above example, there are the following entries:

- MARM: EAN: 4000000000122 Base unit of measure: Box Content:
 1
- MARM: EAN: 4000000000134 Unit of measure: Carton
 Conversion: 1 carton = 8 boxes
- MARM: EAN: 4000000000149 Unit of measure: Pallet
 Conversion: 1 pallet = 192 boxes
- MARM: EAN: 40000000001117 Base unit of measure: Box Content:
 1

MEAN entries for these are automatically maintained via the function 'Bapi_material_maintaindata_rt'.

MLEA entries must be transferred to the BAPI interface. (Not a mandatory segment, the EAN type does not exist there.)

Units of measure

Within R/3, only one unit of measurement is defined per unit of measure.

When data is supplied from the IDoc, the 3 units of measurement are the same, and can be directly converted to the SAP unit of measure and posted to Marm-Meainh.

When data is supplied from the EANCOM messages, the units of measurement should also be the same, and can then be processed in the same way as for supply from the IDoc. If they are not, manual processing is necessary.

PRICAT_K005: Catalog Item - Text

Structure and Mapping Suggestion

Texts such as short and long texts belong to an article. Assignment per unit of measure is only possible for cash register receipt texts.

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Altunit	X B	An..35	E1Pmarm-Ean11	See unit of measure	EAN of the unit of measure BAPI mandatory field	
Validity_Unit	X B	An 8	See units of measure	See units of measure	Validity date, unit of measure modification BAPI mandatory field	
Langu_Iso	X B	An 2		IMD-C273-7008 if 7077 = E, FS	Language as per ISO BAPI mandatory field	FS: Makt-Spras FL: Thead-Tdspras FP: Mamt-Spras

PRICAT_K005: Catalog Item - Text

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Texttyp	X B	An 4	FS for E1Maktm FL for E1Mtxhm FP for E1Mamt	IMD-7077 = E, FS IMD-7077 = A, FL IMD-7077 = D, FP FTX-4451 = AAD FTX-4451 = PRD	E, FS = Article short text A, FL = Article long text D, FP = Receipt text (possible per unit) AAD = Hazardous material text PRD = Freely definable text BAPI mandatory field	Manual assignment to the relevant article texts
Textline_Nr	X B	An 3		IMD-C273-7008 if 7077 = E, FS	Line counter per text type BAPI mandatory field	
Text_Line	B	An 132	FS: E1Maktm-Maktx FL: E1Mtxhm E1Mtxlm-Tdline FP: E1Mamt-Maktm if Mtxid = 02	IMD-C273-7008 if -4440 = E, FS	Text BAPI mandatory field	FS: Maktx Maktx Maktx Maktx FL: Thead / Tline FP: Mamt-Maktx with Mtxid = 02 (not Mvke)

Supplying the BAPI interface

Transfer: Table

All texts that are transferred in the interface are create/modified in the catalog with the transferred text type and line counter. If a new article is created, the transferred texts must be assigned manually to the respective article texts.

PRICAT_K006: Catalog Item - Characteristics

PRICAT_K006: Catalog Item - Characteristics**Structure and Mapping Suggestion**

Characteristics, such as color or size, for an article. It is not possible to assign the characteristic per unit of measure.

In the AUSP table, the transferred data must be posted with the correct class type (26) to the correct characteristic.

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Base	X B	An 35	E1Maram-Ean11	See basic data	EAN/UPC of the base unit of measure BAPI mandatory field	Mara-Ean11
Validity_Base	X B	An 8	See basic data	See basic data	Validity date, article modification BAPI mandatory field	
Characteristic	X B	ATNAM (char 30)	E1Bpe1ausprt-Char_Name (ATNAM)	IMD-7081 = 35 (color) <u>or</u> = 98 / SIZ (size) <u>if</u> 7077 = C	The transferred characteristic value must be converted to the relevant value of the CABN table. Objek+Atinn+Atzhl+Ma fid+Klart+Adzhl BAPI mandatory field	Ausp-Atnam
Description	X B	An 30	E1Bpe1ausprt-Char_Value	IMD-C273-7009	Color <u>or</u> fabrication size BAPI mandatory field	Ausp-Atwrt or Atflv

Supplying the BAPI interface

Transfer: Table (optional)

PRICAT_K007: Catalog Item - BOMs

Structure and Mapping Suggestion

EANCOM assortment units (BOMs) must be defined in R/3 for an article with a special article category (generic article, display, and set). This is achieved via the BOM.

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Base	X B	An 35	E1Maram-Ean11	See basic data	EAN/UPC of the base unit of measure BAPI mandatory field	Mara-Ean11
Validity_Base	X B	An 8	See basic data	See basic data	Validity date, article modification BAPI mandatory field	

PRICAT_K007: Catalog Item - BOMs

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Ean-Upc_Subline	X B	An 35	Not yet supported by PRICAT outbound processing	Pit/Pia-C212-7140 or Lin-C212-7140 if 7143=EN/UP and Pit/Lin 5491=1	Subitem of Ean_Base, which, with segment: IMD+C++SG::9 is defined as an assortment unit BAPI mandatory field	STKO / STPO an IDoc is available for posting (Bommat01)
Quantity_Subline	B	N 15		Qty-C186-6060 if C186-6063=45E or = 17E	Number of Ean_Subline that belong to the Ean_Base BAPI mandatory field	

PRICAT outbound currently does not support the processing of structured articles, so no information is available in IDoc Pricat01.

Supplying the BAPI interface

Transfer: Table (optional)

If the PIT/PIA or LIN segment is **not** a subitem, and the system finds that the related IMD segment is an assortment unit, both the main item and the related PID/PIA or LIN subitem segments are included in the BOM table, rather than in the units of measure. An entry is made for each subitem.

In R/3, only base articles, and not units of measure, are possible as components.

Example:

LIN+1 Base article or base assortment

PIA ... PIA ... Descriptions for base article or base assortment

IMD+C++SG::9 EAN is a base assortment; A CU must be used instead of an SG for base articles.

PRICAT_K007: Catalog Item - BOMs

IMD+C++DU::9 EAN is a vendor
packaging units.

No SG or CU can be used for

IMD, MEA,ALI, .. Further descriptions

LIN+2....+1:1 Subitem of LIN+1
therefore entry in the BOM table

No PIA segment follows LIN:

QTY+54E:3 Base article contained in LIN+1 3 times

LIN+2....+1:1 Subitem of LIN+1

QTY+54E:5 Base article contained in LIN+1 5 times

LIN+4 Item of the first packaging unit
therefore is the base assortment description

A PIA segment follows LIN,

PIA ... PIA ... Descriptions for packaging unit **finished**

IMD, MEA,ALI, .. Further descriptions
with SG or CU, this relates to

As there is no IMD segment

LIN+2....+1:1 Subitem of LIN+4
technique) i.e. entry in the

Packaging units (subitem

QTY+54E:12 Number of the next-lowest

Unit of measure table

Packaging units = 12

PRICAT_K008: Catalog Item - Prices/Taxes

PRICAT_K008: Catalog Item - Prices/Taxes**Structure and Mapping Suggestion**

Prices (gross, net, consumer price) and sales tax for an article (or unit of measure) are recorded here. The data can only be displayed during catalog processing.

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Prinbr	X	N 10			Assigned <u>internally</u> ; unique catalog number	
Productgroup	X B	AN 18	See product group	See product group	Transferred product group number BAPI mandatory field	
Ean_Upc_Altunit	X B	An..35	E1Pmarm-Ean11	See unit of measure	EAN of the unit of measure BAPI mandatory field	
Validity_Unit	X B	An 8	See units of measure	See units of measure	Validity date, unit of measure modification BAPI mandatory field	
Cond_Qualifier	X B	An 3	Determined by condition type and profile	PRI-C509-5125= AAA, AAB, AAE	Identification of price or tax BAPI mandatory field	AAB: Gross price AAA: Net price AAE: Info price VAT: Sales tax
Cond_Type		An 4	E1Konp-Kschl		Condition type: as default for later condition posting	Later: Konp-Kschl
Condition_Value	B	Dec 23	E1Konp-Kbetr	PRI-C509-5118	Line counter per text type BAPI mandatory field	Later: Konp-Kbetr

PRICAT_K008: Catalog Item - Prices/Taxes

Name	K	Data element format	Source: PRICAT IDoc - outbound	Source: PRICAT EANCOM	Remarks	Target: Processing segments
Currency_Currency_Iso	B	An 3	E1Konp-Konwa	CUX-C504-6345 for PRI or from header level	Currency of the condition amount in ISO BAPI mandatory field	Later: Konp-Konwa
Condition_Base	B	An 9	E1Konp-Kpein	PRI-C509-5284	Price basis (per 1, per 10, ..) BAPI mandatory field	Later: Konp-Kpein
Condition_Unit	B	An 3	E1Konp-Konwa	PRI-C509-6411	Unit of measure in ISO for price basis BAPI mandatory field	Later: Konp-Kmein
Cond_Valid_From		An 8	E1Konh-Datab		Pricing date valid from	Later: Konh-Datab
Cond_Valid_To		An 8	E1Konh-Datbi		Pricing date valid to	Later: Konh-Datbi

Supplying the BAPI interface

Transfer: Table (optional)

Only the prices for the base unit of measure can be transferred from the PRICAT IDoc. The relevant profile for the message defines which condition type is to be assigned to which qualifier. This profile also defines which condition type is to be interpreted as sales tax.

The EANCOM message can be used to transfer prices at packaging unit level. For the prices to be interpreted correctly, the qualifier must be supplied with data as described above. The currency is adopted from either the Cux segment of the message header or from the CUX segment that follows the PRI segment.

The sales tax (qualifier = VAT) is adopted from the TAX segment. Tax-free articles are transferred with P_Cond_Value = 0.

When sales tax is transferred, P_Cond_Base = 0 and P_Cond_Curr_Iso = blank and P_Cond_Unit = blank are to be transferred.

The transferred data can only be displayed during catalog processing. It is not possible to post the prices in this step.

PRICAT_K008: Catalog Item - Prices/Taxes

Further conditions cannot be included in this table.