Handling of Structured Articles in ECC 6.0 at the time of PO,GR and SO



Applies to:

SAP Retail ECC6.0.

Summary

This document gives a brief understanding of Structured articles in ECC 6.0 and how they are handled during the creation of Purchase Order, Goods Receipt and Sales order.

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Author Bio



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Brief Introduction on Structured Articles

Structured articles are created and changed with the article master transactions MM41 and MM42, using the button 'Components' on the basic data tab page. Technically structured article components are assigned to a structured article header using a bill of material. In SAP for Retail, structured articles have a well-defined meaning and are therefore subject to some restrictions that don't exist for standard bills of material.

There are 3 types of Structured Articles which are commonly used

- 1. Sales Set Components which can be packaged together or can also be sold individually For Eq a Shaving Kit (comprises of Shaving Razor, Shaving Foam and a Brush)
- 2. Pre Pack Components of the prepack must belong to the same Merchandise Category as the prepack itself. They can be grouped together by the retailer as well as by the manufacturer or vendor and a typical example would be in the case of Fashion Retailing. Generally stocks are managed at prepack level for DC and individual component level for Stores.
- 3. Display Display articles are Similar to Prepack but components may belong to different MCs.Generally stocks are managed at display level in DC and individual component level at stores.
- →Article Categories for the above mentioned structured articles are 10, 11 & 12 respectively

NOTE: This document has relevant snapshots relating to Purchase Order, Goods Receipt and Sales Order for a Sales Set which are covered in the later part of this document

Customizing of Structured Articles

You'll find the customizing for structured articles under the following path:

Logistics General – Material Master – Retail-Specific Settings – Settings for Structured Materials



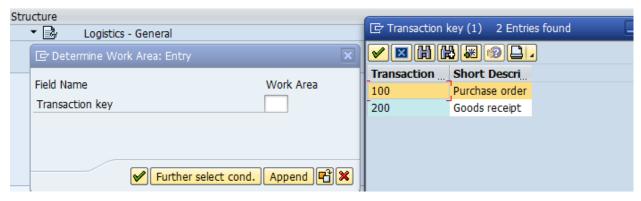
Click on Structured Article Maintenance

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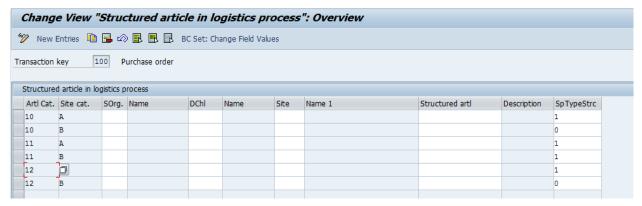


Structured Article is used in the following Logistics Processes

- 1. Purchase Order (Transaction Key 100)
- 2. Goods Receipt (Transaction Key 200)



Let's say you choose the Transaction Key as 100 – Purchase Order and then the screen would look as shown below(Similar screen appears for Goods Receipt as well)



This configuration helps in deciding which article category (10-sales set,11-prepack or display) should explode for which site category(DC or store) and for what combination of Sales Organization and Distribution channel.

Please Note explosion at DC or Store is primarily decided by the article category (Prepack or Display) and only in Sales sets; stocks can be managed both at individual component and at the set level.

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As per the standard settings Prepacks, Display, Sets are broken down into individual components at the time of Ordering(PO) & and at the time of receiving (GR.) ie the header item will no longer have stock since they are managed at the individual component level

NOTE: Don't forget to change the Item category Group to LUMF (In lieu of NORM) in Basic data and Sales View of the Article Master Data

Creation of Structured Article Header

Movement type 317 is used to create a structured article header from the individual components and this posting leads to the stock of the header article being increased and that of the components decreased. The Transaction is reversed using reversal movement type 318

Splitting up of Structured Article Header

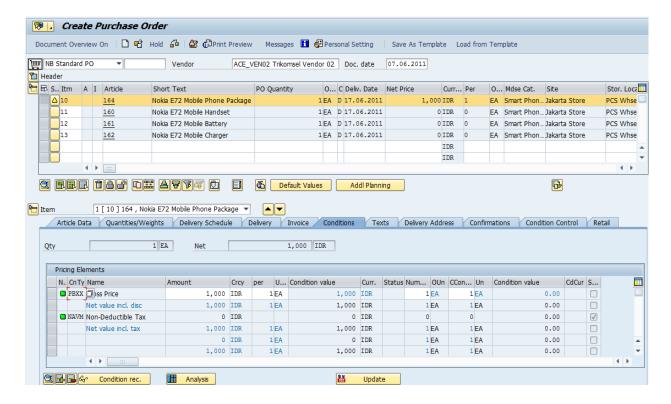
You can use movement type 319 to split up a structured article (such as a lot or prepack) into its constituent components. A structured article is split into its constituent components automatically, either in the purchase order or at goods receipt, depending on how your system is configured.

The stock of the header article is debited and the components credited. The transaction is reversed using reversal movement type 320

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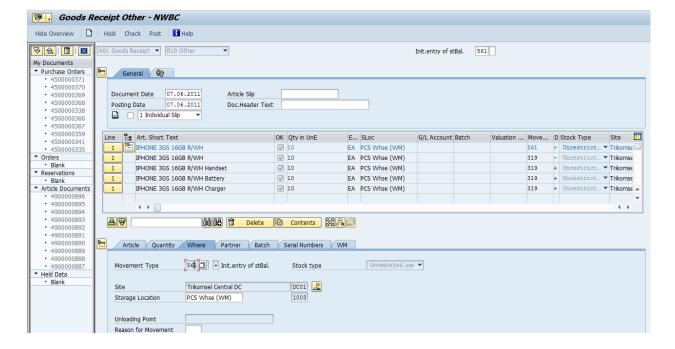
Purchase Order

The below screen shows how an item is exploded at the time of creating a Purchase Order and the price of the item is maintained at the header level

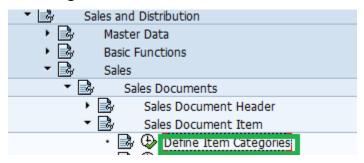


Goods Receipt

For Goods Receipt the header and the components are exploded and are shown below

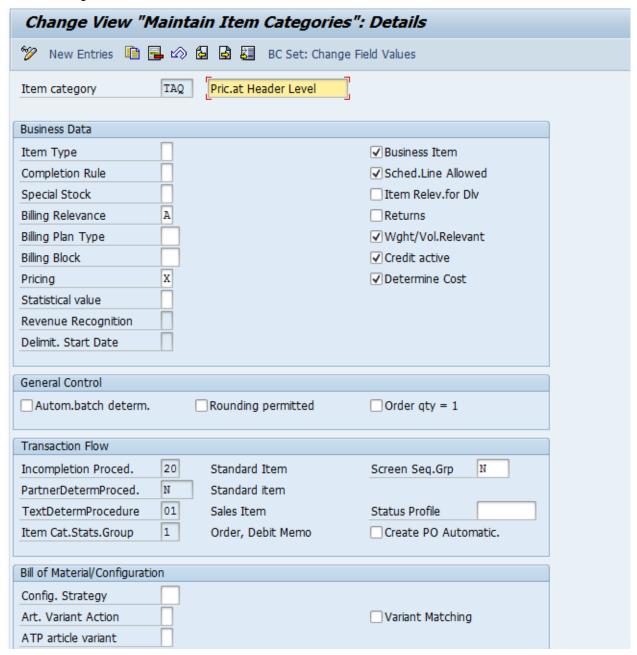


Item Categories

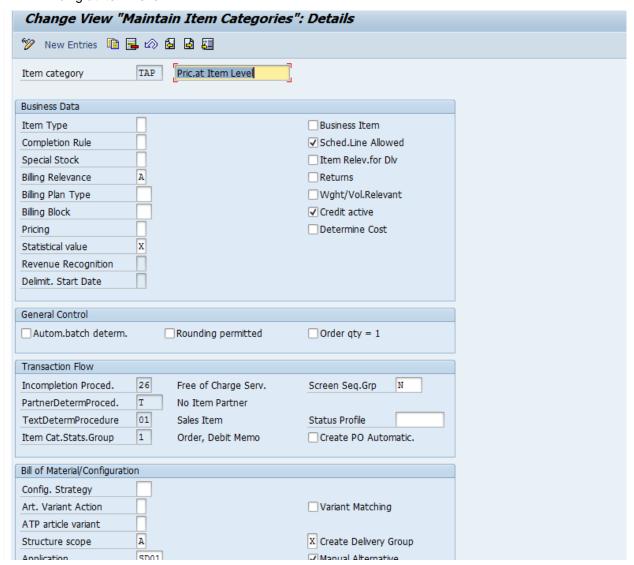


Item categories play a key role in deciding whether the pricing of the structured article should be kept at the header level or at the component (item) level based on which the selling price is determined at the time of creating a sale order.

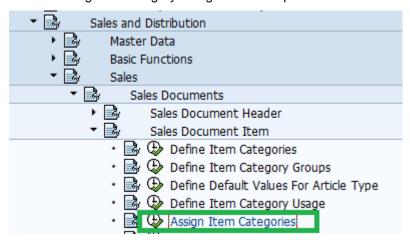
TAQ - Pricing at Header Level

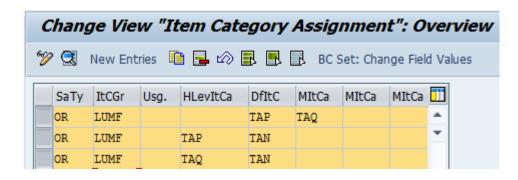


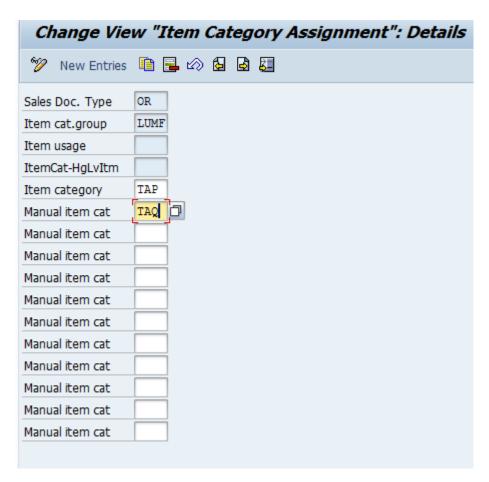
TAP - Pricing at Item Level

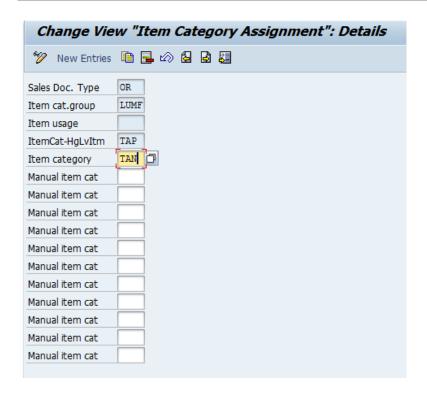


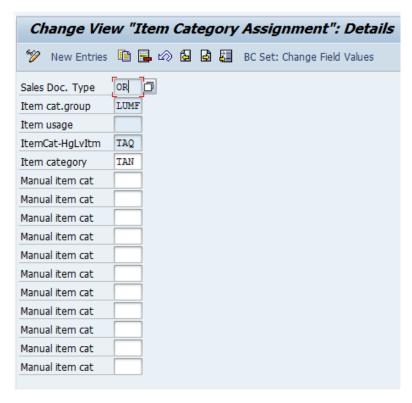
The Following Item category Assignment is required for Sales Document Type OR – Standard Order





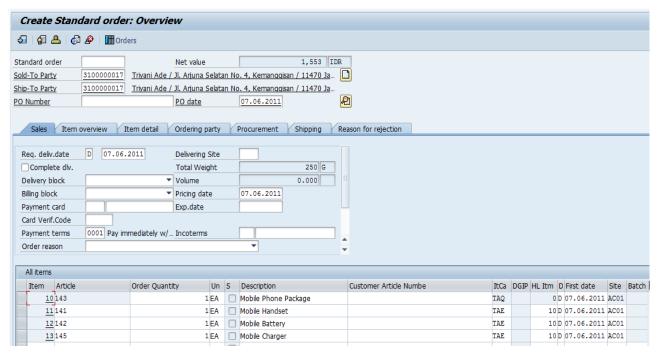






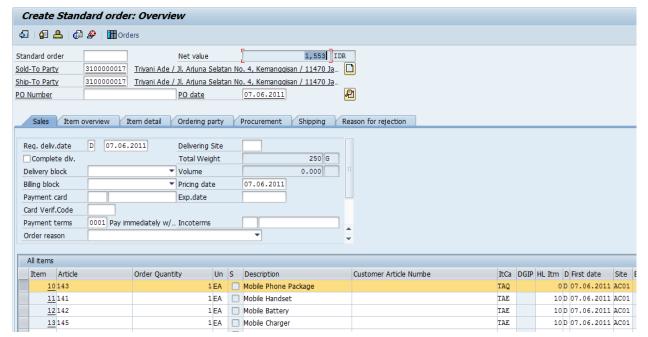
Sales Order

Use Transaction Code VA01 to create a Sales Order



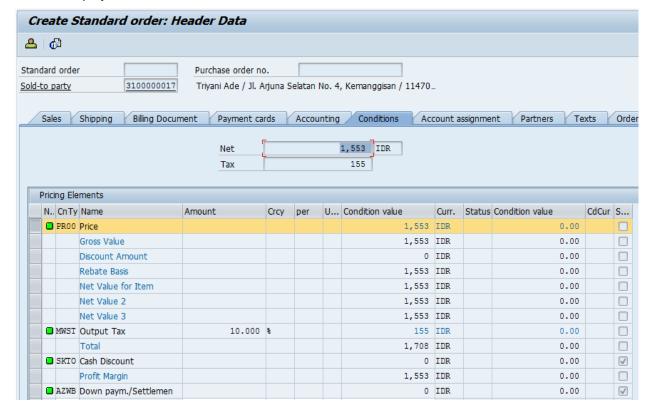
Pricing is carried at Header level for item 143 using Item Category TAQ which is assigned for Sales Document type OR-standard order and for item category group LUMF

Header Conditions for Item 10 – Article 143 reveals it is priced at header level



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Click on Display Document Header Details -> Conditions



NOTE: Similarly if you want the prices to be handled/maintained at item level you can use item category TAP and assign it to the relevant sales document type to achieve the same.

Important Notes for Structured Articles

- 1114045 Incorrect Explosion of Structured articles
- 175266 GR of Structured articles without components
- 1131841 Incorrect check on availability of structured articles
- 671074 Deleting components of structured material/listing
- 688846 Structured article: Consistency checks in Customizing
- 115784 ALE: ALE distribution of multiple BOMs
- 316056 Decimal places for component quantities of structured materials
- 323491 Customizing in the environment of structured articles

Related Content

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