Trade Item Unit Descriptor Code List

Data Migration
Updated February 17, 2015
Agenda

Brief History – Why change
Old and new process and applicable attributes
Transition process
Demonstrate process on specific examples

Key:
TIUD = tradeItemUnitDescriptor
MX = Mixed Module
DS = Display Shipped
Trade Item Unit Descriptors

TIUD is used to describe the GTIN hierarchy level.

Change Purpose:
- communication of which item level is display ready
- removal of unnecessary dependencies.

The old unit descriptor descriptions/definitions were used to indicate that item is: display or it contains several unique GTINs.

When retailer got DS and item had multiple children there was no way for them to know if it was display. It was possible that manufacturers had to use DS only because it had multiple children.
Inconsistencies in Assignment of Unit Descriptors

Different manufacturers were assigning different unit descriptors from the same product packaging level

Manufacturer #1
- MX – Mixed Module

Manufacturer #2
- DS – Display Shipper

Retailers could not consistently process information provided

Due to large percentage of new products available as display it is critical to assure consistency
Trade Item Unit Descriptor Codes

New Process

Simplification of the code list
• AP (Assortment Pack) was removed

Communication if a **display for MX (Mixed Module) & DS (Display Shipper)** use attributes:
• **displayTypeCode** – New attribute –
  • indicates if item is display
  • Allows to communicate type of display
• **isTradeItemADisplayUnit**
• **hasDisplayReadyPackaging**
# Trade Item Unit Descriptor Codes

<table>
<thead>
<tr>
<th>tradeItemUnitDescriptor</th>
<th>Description</th>
<th>Parents</th>
<th>Parent Instance</th>
<th>Children</th>
<th>Children Instance</th>
</tr>
</thead>
<tbody>
<tr>
<td>(TL) Transport Load</td>
<td>A logistical unit which, when ordered, can provide a standard quantity of trade items from any other hierarchy level. This level can be used to define truckloads, shipping containers, rail cars, ships, and etc. This level can contain a single GTIN or multiple GTINs.</td>
<td>TL, None</td>
<td>Multiple</td>
<td>TL, PL, CA, PK, EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(PL) Pallet</td>
<td>A unit load that contains a single GTIN that is not display ready. Includes box pallet.</td>
<td>TL, PL, None</td>
<td>Multiple</td>
<td>PL, CA, PK, EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(CA) Case</td>
<td>A standard trade item shipping unit. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet.</td>
<td>TL, PL, CA, None</td>
<td>Multiple</td>
<td>CA, PK, EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(PK) Pack / Innerpack</td>
<td>May be a logistical unit between a case and each, may or may not be bar-coded, that contains a single instance of a GTIN OR a consumer unit that contains single instance of a lower level GTIN that is typically bar-coded.</td>
<td>TL, PL, CA, PK</td>
<td>Multiple</td>
<td>PK, EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(EA) Each</td>
<td>The lowest level of the item hierarchy intended or labelled for individual resale.</td>
<td>TL, PL, CA, PK</td>
<td>Multiple</td>
<td>None</td>
<td>N/A</td>
</tr>
<tr>
<td>(MX) Mixed Module</td>
<td>A unit load that contains several unique GTINs OR a &quot;display ready pallet&quot; that may contain a single GTIN or several unique GTINs that is intended to go directly to the selling floor. Includes box pallet</td>
<td>TL, PL, MX, None (To be deleted in Major Release 3.x, use PL-Pallet)</td>
<td>Multiple</td>
<td>MX, PL, DS, CA, PK, AP(SP), EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(DS) Display/ Shipper</td>
<td>A shipping unit that is a display (can contain a single instance of a GTIN or contains more than one unique instance of a GTIN) OR a case that contains more than one unique instance of a GTIN. Includes an ½ or ¼ pallet and an ½ or ¼ b box pallet and prepack.</td>
<td>TL, MX, PL, DS, CA (To be deleted in Major Release 3.x use CS-Case)</td>
<td>Single/ Multiple</td>
<td>DS, CA, PK, AP(SP), EA</td>
<td>Single/ Multiple</td>
</tr>
<tr>
<td>(AP) Assorted Pack/Setpac</td>
<td>May be a logistical unit between a case and each or may not be bar-coded that contains multiple instances of unique GTINs OR a consumer unit that contains multiple instances of lower level GTINs that are typically bar-coded.</td>
<td>TL, MX, PL, DS, CA, PK, AP(SP) (To be deleted in Major Release 3.x use PK-Pack/Innerpack)</td>
<td>Multiple</td>
<td>PK, AP(SP), EA</td>
<td>Multiple</td>
</tr>
</tbody>
</table>
**Communication if item is display**

If item is display - new attribute – **DisplayTypeCode**

This attribute clearly communicates if item is display and type of display

<table>
<thead>
<tr>
<th>Code Value</th>
<th>Code Name</th>
<th>Code Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDR</td>
<td>Shelf Display Ready Packaging</td>
<td>Shelf Display Ready Packaging – A display unit that is ready for display on a shelf or counter.</td>
</tr>
<tr>
<td>FDR</td>
<td>Floor Display Ready Packaging</td>
<td>Floor Display Ready Packaging – A display unit that is ready for display on the floor.</td>
</tr>
<tr>
<td>SND</td>
<td>Shelf Non-Assembled Display Packaging</td>
<td>Shelf Non-Assembled Display Packaging – A display unit that needs to be assembled before display on a shelf or counter.</td>
</tr>
<tr>
<td>FND</td>
<td>Floor Non-Assembled Display Packaging</td>
<td>A display unit that needs to be assembled before display on the floor.</td>
</tr>
<tr>
<td>UNS</td>
<td>Unspecified</td>
<td>Unspecified for cases where the supplier is unable to provide the precise type at that moment (or the type of display does not exist in the list yet), but still wants to communicate a display of a sort is present.</td>
</tr>
</tbody>
</table>
Display Attributes and Their Use

IsTradeItemADisplayUnit –
An indicator whether a trade item is or could be used as a display unit. A display unit is intended to be shipped to a store without being split at a distribution centre and is intended to be displayed in a retail store either on a shelf or on the shop floor.

DisplayTypeCode - A code determining the type of display for a trade item

Validation rule: If IsTradeItemADisplayUnit = True then DisplayTypeCode is required

hasDisplayReadyPackaging -
(This attribute is referring to type of packaging that can be easily used for replenishment - easy to identify, easy to open, can easily be put onto the shelf and disposed of, allowing an optimization of shelf replenishment and enhanced visibility)

Trade Item has Display Ready Packaging (also referred to as Shelf Ready Packaging or Retail Ready Packaging). Display Ready Packaging can be exhibited on the floor, a shelf or other location. It may or may not require some modification e.g. to raise a flap.

Note: All attributes are optional
Communication if item has multiple lower level GTINs

**quantityOfChildren**

Indicates the number of unique next lower level trade items contained in a complex trade item.

A complex trade item can contain at least 2 different GTINs.
Transition to New Process

If TIUD = MX or DS then
  If quantityOfChildren = 1 then you need to use DisplayTypeCode
  If quantityOfChildren > 1 then you may need to use DisplayTypeCode

If the item is display then use **DisplayTypeCode & isTradeItemADisplayUnit** attributes

**NOTE:**
Display Type Code May not be needed if quantityOfChildren > 1 product that is not display like a mixed case. Then populate isTradeItemADisplayUnit=FALSE

**NOTE:**
It was agreed that no additional validation would be created until markets can determine a need
What can I do now?

- Change all AP codes to PK
- Add new attribute to your system – displayTypeCode

If TIUD = MX or DS and quantityOfChildren = 1 then we know that item is display
  - Start populating displayTypeCode when you are ready, with new display type
  - Populate isTradeItemADisplayUnit = TRUE

If TIUD = MX or DS and quantityOfChildren > 1 then you may not know if item is display
  - Verify if item is display
  - If it is not display then set isTradeItemADisplayUnit to FALSE
  - If it is display then
    - obtain display type value for displayTypeCode attribute
    - You don’t need to change the unit descriptor values: MX and DS
    - Set isTradeItemADisplayUnit = TRUE
The current TI Guidelines list only (AP) Assorted Pack/Setpack and (PK) Pack / Innerpack.

Definitions for PREPACK, PREPACK_ASSORTMENT, SETPACK were very similar and confusing:

*Contains multiple components, each of which represents a unique consumer unit item by color and size*

**PREPACK_ASSORTMENT - AP and Pack / Innerpack PK**

The only difference between both definitions is single vs. multiple instances of unique GTINs.
The new process
Combine PK, AP into one – PK
PK - may be a logistical or consumer unit between a case and each. May or may not be bar-coded. May contain a single or multiple instances of a lower level GTIN that are typically bar-coded.

`quantityOfChildren` - indicates the number of unique next lower level trade items contained in a complex trade item.
It clearly communicates if item has several unique GTINs so there is no need to use PK vs. AP.

`DisplayTypeCode` attribute also applies, if `isTradeItemADisplayUnit=True`

Transition
Change all AP codes to PK
Full pallet, shelved corrugate display unit; 2-sided shoppable; TIUD = MX Or DS

Display Type Code – FND
(Floor Non-Assembled Display Ready packaging)
isTradeItemADisplayUnit = True
TI = 1
HI = 1
MIXED MOD – PALLET EXAMPLE

At least two layers of display ready product single or multiple GTINs, pallet can be dropped & shopped
TIUD = MX, PL or DS

Display Type Code – FDR
(Floor Display Ready packaging)
isTradeItemADisplayUnit = True
TI = 1
HI = 1
Display Shipper

TIUD = MX or DS
Display Type Code – FDR
(Floor Display Ready packaging)
isTradeItemADisplayUnit = True
TI = 1
HI = 1

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22. Place the product into the Cabinets as shown.

23. Square the sides of the Shroud. Fold the dust flaps in. Fold the top panels in. Tape the top panels to secure.

24. Fold the Header in. Fold the Stake Sign in. Place the Shroud over the display. Secure the sheets to the display with (2) bands.
Small footprint display shipper unassembled; holds up to 40# of product
TIUD = DS

isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging)
Has Display Ready Packaging – False
Display TRAY

Product packed into a display tray
Old TIUD = DS
New TIUD = CA

isTradeItemADisplayUnit = True
Display Type Code – SDR (Shelf Display Ready Packaging)
Has Display Ready Packaging – True
Shelf Displays

Product packed into a shelf/countertop display
Old TIUD = DS
New TIUD = CA

isTradeItemADisplayUnit = True
Display Type Code – SDR (Shelf Display Ready Packaging)
Has Display Ready Packaging – True
Pallet
Contains a child GTIN of Case that contains a child GTIN of Each
TIUD = PL

isTradeItemADisplayUnit = False
Case Module
At least two layers of brown cases of one SKU
TIUD = PL

isTradeItemADisplayUnit = False
Case Rainbow Pallet
Brown cases, multiple skus, used for stocking, speed to shelf, at least 2 layers
TIUD = MX or PL
isTradeItemADisplayUnit = False
Tote Pallet
Brown cases, multiple skus, used for stocking, ships in a corrugate shroud, commonly used for new items
TIUD = MX or PL
isTradeItemADisplayUnit = False
TI = 1
HI = 1
Pinwheel Pallet
Full pallet, shelved corrugate display unit; 4-sided shoppable
TIUD = MX or PL

isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging)

Has Display Ready Packaging – False
TI = 1
HI = 1
HALFED SHELVED PALLET
Physical half pallet footprint (24 x 40), shelved corrugate display unit
TIUD = DS or PL

isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging)

Has Display Ready Packaging – False
TI = 1
HI = 1
RISER PALLET
Corrugate display base built under product; brings less-than-full pallet unit to shoppable height
TIUD = MX or PL

isTradeItemADisplayUnit = True
Display Type Code – FDR (Floor Display Ready packaging)

Has Display Ready Packaging – False
TI = 1
HI = 1
LAYER STACK MERCH UNIT
At least 2 layers of display ready cases; single or multiple skus, layer stacked, appropriate for stocking
TIUD = MX or PL
isTradeItemADisplayUnit = False
STACKABLE TRAY MERCH UNIT
Merch unit of stackable trays, all product, can stock an endcap or be dropped on the floor and shopped
TIUD = MX or PL

isTradeItemADisplayUnit = True
Display Type Code – FDR
(Floor Display Ready packaging)
TI = 1
HI = 1
3 SIDED ENDCAP PALLET
3 sided (48" facing) shelved pallet designed to be used for pallet drop end cap locations
TIUD = MX or PL
isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging
TI = 1
HI = 1
SLANT BACK MERCH UNIT
One layer of display ready product, with a pop-up base
TIUD = DS or CA

isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging

Has Display Ready Packaging – False
MOBILE DISPLAY SHIPPER
Display shipper on four-wheeled tray base; holds over 100# of product
TIUD = DS or CA

isTradeltemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging

Has Display Ready Packaging – False
TWO WHEEL DISPLAY SHIPPER
Smaller mobile display shipper with two-wheels attached for dolly-like mobility
TIUD = DS or CA

isTradeItemADisplayUnit = True
Display Type Code – FND
(Floor Non-Assembled Display Ready packaging

Has Display Ready Packaging – False
POWER WING
Small, hanging display shipper; typically hangs from permanent retail structure
TIUD = DS or CA

isTradeItemADisplayUnit = True
Display Type Code – FDR
(Floor Display Ready packaging)

Has Display Ready Packaging – Yes
STACKABLE TRAY

Product repacked into a display tray that can allow another stackable DT to stack on top of it

TIUD = DS or CA

isTradeItemADisplayUnit = True

Display Type Code – SDR (Shelf Display Ready Packaging)

Has Display Ready Packaging – True