



ELECTRONIC COMMERCE COUNCIL of CANADA
Conseil canadien du commerce électronique

**Volume 2 – 832 Price/Sales Catalogue
Mapping Guide v3.1
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Document Summary

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Subject:	ECCnet Subset 832 Mapping Guide
Purpose:	To define fields in ECCnet and their relationships, usage and EDI mappings.
Intended Audience:	ECCC GXS ECCnet Users 3 rd Party Service Providers
Replaces Document:	ECCnet Version 3.0
Related Documents:	System Information Guide – Volume 1 – Data Content and Structure ECCnet Data Loading Guidelines Canadian Data Synchronization Hardlines

Record of Changes

Rev #	Date	Nature of Change/Comments
3	Feb 8, 2001	<ul style="list-style-type: none"> Final draft for final approval by EDI Committee.
4	April 12, 2001	<ul style="list-style-type: none"> Final draft for final approval by EDI Committee with changes requested by EDI Committee. LIN segment - Removed "*" next to LIN02 code values (which were meant to highlight Note 1) and adjusted Note 1. PID segment – Noted Change request pending for Extended Product Description. PID segment – Added ECCC Change Request Reference Numbers to notes on Trade Name, Short Description, Extended Description.
5	June 11, 2001	<ul style="list-style-type: none"> First draft of expanded subset (ECCnet Subset II). Added: LIN segment – Added Model Number, Canadian DIN, U.P.C. 8 Consumer Unit Code. DTM segment – Added Cancellation Date, Discontinue Date, Reinstatement Date, Release Date, Release of Information Date CTB segment – Added segment PID segment – Added Structured Descriptions; Added Scan Certificate Indicator, Prepack Indicator, Gift With Purchase, Purchase with Purchase, Prepack Subject to Change, Product Reorder, Seasonal Product Availability, Flavour, Shade, Short Color Description, Ingredients, Weight Scale Description, Hazardous Rating System (WHMIS Classification), Not Legally Advertisable, Not Legally Discountable, Point-of-Sale Taxes Applicable, IFDA Classification Code, Environmental Levy by Province, Drug Merchandising Regulation by Province, Product Type Code, End Use Application (Pharmacy); Updated mapping for ECCC Interim Classification Code. MEA segment – Added Expected Product Life, Bonus Size Amount, Heat of Combustion, FMI Dimensions and associated qualifiers. PKG segment – Added segment, Added Electronic Article Security, Type of Packaging (Special Packaging Code), Promotional Marking, Product Marking, Marking Lot Number, Marking Expiry Date. G55 segment – Opened Gross Weight, Shippers weight, Net Weight, Cash register descriptions, Prepriced Indicator, Old UPC, Dated Product Number of Days, Coupon Family Code; Added Tare Weight, Billed Weight, Drained Weight, U.P.C.-8 Consumer Unit Code; Added Packaging Codes: Jar, Tub CTP segment – Added segment; Added Chain Store Retail, Doctor's Office, Hospitals, (Bottle) Deposit Amount, Bracket Price, Changed Price, Contract Price, Direct Store Delivery Temporary Price Reduction, Quote Price, Retail Price, Net Unit Price. DTM segment – Added segment G36 segment – Added segment CUR segment – Added segment REF segment – Added segment G43 segment – Added segment SAC segment – Added segment; Added allowable qualifier values, Added Delivery, Pickup, Prepared Food Tax. G26 segment – Added segment. Added price condition qualifier values. N1 segment – Added segment - Added State/Province of Origin, Supplier/Manufacturer, Issuer of Invoice. N3 segment – Added segment N4 segment – Added segment G39 segment – Added Special Handling Code (Added Do Not Freeze,

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		<p>Environmental Control Limits, Flammable, Fragile Handle with Care, Perishable, Stow Below Deck, Poisonous Gas, Protect from Heat, Per Hour Rates Apply, Ice, Relative Humidity, Size & UOM.</p> <ul style="list-style-type: none"> • SLN segment – Added U.P.C.-8 Consumer Unit Code
6	June 16,2001	<ul style="list-style-type: none"> • Updated PID02 = '79' for Weight Scale Description • Updated PID02 = '84' for Legal to Advertise/Discount
7	June 19, 2001	<ul style="list-style-type: none"> • Updated mapping for GST, PST, HST = PID03 = 'ZZ'
8	June 20,2001	<ul style="list-style-type: none"> • G3904 'IC' VICS 4030 • Updated G5533 'Jar' and 'Tub' to reflect added in 4050
9	June 21, 2001	<ul style="list-style-type: none"> • Removed word 'Canadian' from Drug Identification Number in LIN02 • Update CTP01 – WS=User and CTP02 BCH=Base Charge EC 1-86.
10	June 22, 2001	<ul style="list-style-type: none"> • Update PID02 and 04 POS Taxes (GST, HST, and PST) Change Request EC 1-87.
11	June 23, 2001	<ul style="list-style-type: none"> • Updated the SAC13 Note wording and version VICS 4050
12	June 24, 2001	<ul style="list-style-type: none"> • Continued revisions for expanded subset. • BCT segment – Added code for Price Sheet • PID segment - Finished Environmental Levy by Province, Taxes Applicable by Province, Not Legal Advertise/Discount by Province, Stackable. • LDT segment – Added segment, Added Lead Time Code. • G55 segment – Added Volume, Size UOM codes, Packaging Codes • CTP segment – Added UOM codes • SAC segment – Added Price Comment • G39 segment – Added Size & UOM codes, Added Substitute GTIN
13	June 25, 2001	<ul style="list-style-type: none"> • Updated SAC02 with Change Request EC 1-90 for Container Tax and Prepared Food Tax. • Updated PID02 & PID02 with Change Request EC 1-91 Environmental Levy.
14	June 26, 2001	<ul style="list-style-type: none"> • Updated N101 with Change Request EC 1-80 for Supplier and Issuer of Invoice • Updated PID02 and PID04 Change Request EC 1-92 for IFDA Classifications
15	June 28, 2001	<ul style="list-style-type: none"> • Updated PID02 Change Request EC 1-94 for Drug Merchandising Regulation code RSE. • Updated MEA01 and MEA02 FMI Dimensions Change Request EC1-95. • Updated CTP02 Codes 'DSD', 'ELC', 'PPD' approved VICS 4040 • Updated G5533 Packaging Codes Change Request EC 1-88.
16	June 30, 2001	<ul style="list-style-type: none"> • Continued revisions for expanded subset. • BCT segment – added Price Sheet • LIN segment – opened LIN05/06. • G53 segment – added notes for Price Changes. • PID segment – corrected mapping of Primary product description, Trade Name, Ingredients, Drug Regulation (Behind-the-Counter, Over-the-Counter, Prescription Drug), IFDA Classification; added note to Scan Certificate Indicator; added Physical Form - Aerosol • MEA segment – added FMI note, added Catchweight note, added Storage Temperature. • TD4 segment – added segment, added Special Handling Codes. • CTP segment – added notes for Price Changes. • SAC segment – added notes for Retailer-specific terms. • G39 segment – opened Packaging Code. • Labelled as to V2.0.0
2.0.1	July 6, 2001	<ul style="list-style-type: none"> • Corrected N103 values.
2.0.2	July 9, 2001	<ul style="list-style-type: none"> • Revised Free Form Descriptions length for Hazardous Materials - PID05 A/N 1-80
2.1.0	Sept. 19, 2001	<ul style="list-style-type: none"> • Opened REF at the LIN loop; added note • DTM segment at LIN loop – added qualifier 043 for publication date • Opened MEA05 and MEA06 that can be used to identify catch weight

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		<ul style="list-style-type: none"> • Opened CTP04 and CTP05 at request of Foodservice • SAC02 - added qualifiers H000 and I410 • Corrected typos on G3906 and G3925 min/max • Revised CTP note
2.1.1	Oct 29, 2001	<ul style="list-style-type: none"> • Revise ECCnet Subsets Table to clarify what data needs to be provided. • Added note to DTM segment that system will default if not provided. • Removed Release Date fields (implementation deferred). • Corrected SAC note 2 to confirm with Pricing White paper. • Added missing codes to PID segment for Shade, Tint & Vendor Color Description.
2.2.0	Jan 3, 2002	<ul style="list-style-type: none"> • Correction to "Other Weight" field – update subset information for Net Weight • Correction to EDI mapping information for ECCC Interim Classification Code • Updated subset information to reflect finalization of Subset 2 and opening draft of Subset 3 • Moved pricing to Subset 3 • Updated to reflect GE GXS version 4.4 scheduled for February 2002 • Updated New/Exist column to reflect fields new in version 4.4 • Added Juice Content Percentage • Added new price date fields: Order Start Date, Order End Date, Requested Delivery Start Date, Requested Delivery End Date, Ship Start Date, Ship End Date and updated comments on Price Start/Price End Dates to align with feedback from Foodservice pricing pilots • Added comment to Deposit Amount to refer to "Deposit Amount by Province" fields • Updated subset information and descriptions for new RX fields – Unit Dose UPC, Dosage Form, Route of Administration, Controlled Substance, Therapeutic Class, Strength, Generic • Updated Dimensions, Volume and Weight fields to reflect system integer/decimal place rules
2.2.1	Jan 3, 2002	<ul style="list-style-type: none"> • Reinserted subset summary table from Volume 1. • Minor typographical corrections. • Corrected PID04 "CO" description. • Correction – Add notes re Price Sheet processing to segments: DTM, N1, REF, CTB, PID, MEA, PKG, TD4, LDT, G55, G39, PKL, SLN. Also added note to Transaction Structure and updated note on BCT regarding price sheet processing.
2.2.2	Feb. 6, 2002	<ul style="list-style-type: none"> • Updated ECCnet on LIN/DTM regarding Reinstatement Date • Added qualifier 45 to PKG02 • Updated qualifiers for G3926 • Added ECCnet comment to the G36 • Updated the ECCnet note for the usage of the G3904. • Changed all references of the UPC Data Communications Guidelines for General Merchandise and Apparel to the new document name of Trade Item Identification and Communication Guidelines
2.3.3	Feb. 11, 2002	<ul style="list-style-type: none"> • Copied subset summary table from Volume 1 • Marked as final subset two.
2.3.4	Mar, 21, 2002	<ul style="list-style-type: none"> • Added ECCnet note for Strength usage in the PID • Added ECCnet note for Strength in the MEA02 • Added ECCnet for Over the Counter usage in the PID • Updated PKG for usage of Clamp • Added qualifier FP for Flashpoint in MEA02 • Added qualifiers in TD402 • Corrected mapping for Marked Lot Number and Marked Expiry Date • Added qualifiers to G5515, G3919 and MEA04

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3.0	May 2004 - ABL	<ul style="list-style-type: none"> • Updated Version Number to 3.0 • Updated the date to May 2004 • Removed ECCnet note in BCT02 • Updated ECCnet note number 4 in BCT10 • Added new definition for EN, EO in LIN02 • Added qualifier WD in Warranty Description in PID02 • Deleted qualifier UN Unloading Equipment in PKG02 • Added qualifier RL Roll in G5515 • Added qualifier V2 Pouch in G5515 • Added qualifier YD Yard in G5515 • Added qualifier DM Decimetre in G5515 • Added qualifier FT Foot in G5515 • Added qualifier IN Inch in G5515 • Added qualifier CC Cubic Centimeter in G5515 • Added qualifier CF Cubic Feet in G5515 • Added qualifier CI Cubic Inches in G5515 • Added qualifier CR Cubic Meter in G5515 • Added qualifier LB Pound in G5515 • Added qualifier BEM Beam in G5533 • Added qualifier DRM Drum in G5533 • Added qualifier EPR Edge Protector in G5533 • Added qualifier 71 Not otherwise specified in G5533 • Added qualifier 89 Special (Do not use) in G5533 • Added qualifier 90 Standard (Do not use) in G5533 • Modified note for qualifier BCH Base Charge in CTP02 • Added qualifier PU Prepack UPC in SAC04 • Added qualifier SI Sibling UPC in SAC04 • Added qualifier BEM Beam in G3928 • Added qualifier EPR Edge Protector in G3928 • Added qualifier TUB in G3928 • Added qualifier 71 Not otherwise specified in G3928 • Added CUR segment in Header position 090 • Added ECCnet Note on ISA06 • Added extended Descriptions for Drugs (C2, C3, C4)
3.0	June 2004	<ul style="list-style-type: none"> • Added Hardlines data attributes and mapping • Added Hardlines table to PID • Added Hardlines table to MEA • Added TC2 Commodity Segment at position 160 • Added Hardlines Rules • Added Segment Examples • Added Hardlines Examples • Front table updated
3.0	July 2004	<ul style="list-style-type: none"> • Added Hardlines attributes table • Added Appendix A which contains transaction samples
3.1	November 2004	<ul style="list-style-type: none"> • Updated Version Number from 3.0 to 3.1 • Deleted data attribute 'departmentOfTransportationDangerousGoodsNumber' • Renamed data attribute 'harmonizedTariffSystemIdentificationCode' to 'importClassificationValue' • Renamed tradeItemUnitOfMeasure to sellingUnitOfMesaure • Renamed tradeItemAlternateUnitOfMeasure to orderingUnitOfMeasure • isTradeItemRecalled modified to required • Added Brand Owner GLN and Brand Owner Name explanation, when the Brand Owner is not the vendor

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Background

Early in the implementation of the ECCnet Product Listing Service, the ECCnet User Committee determined that industry's implementation of the ECCnet Product Listing Catalogue would be best served by detailing a series of "core data fields".

As this work began it became apparent that the "core data fields" were related to the type of product being described and to some degree the priorities of the channel. The Committee first focused on products common to Grocery, Chain Drug and Retail and called these "Fast Moving Consumer Products and Food", but recognized that other "subsets" such as "Apparel & Footwear", "Hardlines", "Pharmacy", etc. would follow.

With the introduction of price data, it became apparent that each subset needed to be further refined to explain the data content required for new items versus the data content that was allowable on price changes.

Each subset will "grow" in data content as the industry progresses. For example the first version of the "Fast Moving" subset was defined in mid 2000. A second version of the "Fast Moving" was formulated in mid 2001. Once a Task Group completes each version of the subset the ECCnet User Committees will determine the implementation timetables.

As new companies come on to ECCnet, they will begin with the "current" subsets. Existing users will need to upgrade their existing product data to the "current" subsets according to the implementation timetables.

This document is VICS 4010 base plus qualifiers from higher versions.

Current Subsets

The current list of subsets includes:

- **Fast Moving Consumer Products and Food**
This subset includes "fast moving" consumer products – those sold in Grocery and Chain Drug amongst other channels, and Food (Shelf Stable and similar merchandise)
 - Version 1 (for implementation in 2001)
 - FM1 = fast moving subset (core data fields)
 - Version 2 (for implementation in March 2002)
 - FM2 = expanded subset new item listings
 - Version 3 (for implementation in 2002)
 - FM3 = pricing and additional fields
- **Foodservice**
This subset includes products sold into the Foodservice channel – both Foodservice-only products and regular (Retail)
 - Version 1 (for implementation in 2001)
 - FS1 = fast moving subset (core data fields)
 - Version 2 (for implementation in March 2002)
 - FS2 = expanded subset new item listings
 - Version 3 (for implementation in 2002)
 - FS2 = pricing and additional fields
- **Pharmacy (RX)**
This subset includes "Behind the Counter", "Over the Counter" and "In Front of the Counter" items. This subset has been drafted for review by the ECCnet Drug Channel User Committee.
 - Version 1
 - RX1 = pharmacy core data fields
 - Version 2 (draft)
 - RX2 = pricing and additional field

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Subset Legend:

FM2 = Fast Moving Version 2
FM3 = Fast Moving Version 3

FS2 = Foodservice Version 2
FS3 = Foodservice Version 3

RX1= Pharmacy Version 1
RX2= Pharmacy Version 2

(ECCnet)

Y – Field is part of the subset and must loaded on the catalogue (directly or by default) unless it is not applicable for the commodity or type of product being loaded (i.e. First Ship Date is not required for existing items when initially loading the catalogue).

O – Field is part of the subset but is optional for this Subset.

- – Field is not part of the subset.

February 11, 2002 – Note this is a summary. Refer to the field level detail in ECCnet System Information - Volume 1 for exact information.

Packaging Level / Field	Reference	FM2	FM3	FS2	FS3	RX1	RX2
Transaction Level		Y	Y	Y	Y	Y	Y
Selection Code	BCT03	Y	Y	Y	Y	Y	Y
Selection Description	BCT09	Y	Y	Y	Y	Y	Y
Unit Dose Level		-	-	-	-	Y	Y
U.P.C Consumer Package Code or EAN Code	LIN03	-	-	-	-	Y	Y
Product Type	PID04	-	-	-	-	Y	Y
** Note – Fields at Unit Dose level to be determined by committee. **							
Item Level		Y	Y	Y	Y	Y	Y
U.P.C Consumer Package Code or EAN Code	LIN03	Y	Y	Y	Y	Y	Y
Suppressed UPC (Only DSD Products)	LIN03	-	-	-	-	-	-
Item/Style	LIN05	Y	Y	Y	Y	Y	Y
Vendor Model (Item) Number	LIN07	Y	Y	-	-	Y	Y
DIN Number	LIN07	Y	Y	-	-	Y	Y
Change Date	DTM	Y	Y	Y	Y	Y	Y
First Ship Date	DTM	Y	Y	-	-	Y	Y
First Order Date	DTM	Y	Y	-	-	Y	Y
Cancel Date	DTM	Y	Y	-	-	Y	Y

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Discontinue Date	DTM	Y	Y	-	-	Y	Y
Reinstatement Date	DTM	Y	Y	-	-	Y	Y
Order Quantity Multiple	CTB04	Y	Y	-	-	Y	Y
Product Form Aerosol	PID02	Y	Y	-	-	Y	Y
Controlled Substance Indicator	PID02	-	-	-	-	Y	Y
Scan Certificate Indicator	PID04	Y	Y	-	-	Y	Y
Prepack Product Only (Pack Type=PP)	PID04	Y	Y	-	-	-	-
Gift with Purchase (Purchase Type=GW)	PID04	Y	Y	-	-	-	-
Purchase with Purchase (Purchase Type=PW)	PID04	Y	Y	-	-	-	-
ECCC Interim Class Code	PID04	Y	Y	-	-	Y	Y
IFDA Classification (Only FS)	PID04	-	-	-	-	-	-
Dosage Form	PID04	-	-	-	-	Y	Y
Route of Administration	PID04	-	-	-	-	Y	Y
Trade Name – English & French (V2) (Brand)	PID05	Y	Y	-	-	Y	Y
Short Description – English & French	PID05	Y	Y	Y	Y	Y	Y
Extended Description – English & French	PID05	Y	Y	-	-	Y	Y
Flavour – English & French	PID05	Y	Y	-	-	-	-
Shade	PID05	Y	Y	-	-	-	-
Short Color Description – English & French	PID05	Y	Y	-	-	-	-
Ingredients – English & French	PID05	Y	Y	-	-	-	-
Weight Scale Description – English & French	PID05	Y	Y	-	-	-	-
WHMIS Code (Hazardous Rating System)	PID05	Y	Y	-	-	Y	Y
WHMIS Free Text (Hazardous Material Desc)	PID05	Y	Y	-	-	Y	Y
Not Legal to Advertise	PID05	Y	Y	-	-	Y	Y
Not Legal to Discount	PID05	Y	Y	-	-	Y	Y
Point-of-Sale Tax Information	PID04	Y	Y	-	-	Y	Y
Drug Merchandising (Behind/OTC/RX)	PID05	Y	Y	-	-	Y	Y
Product Type	PID04	Y	Y	-	-	Y	Y
Environmental Levy Applicable by Province	PID05	Y	Y	-	-	-	-
Therapeutic Class	PID05	-	-	-	-	Y	Y
Generic (Drug Name)	PID05	-	-	-	-	Y	Y
Expected Product Life	MEA03	Y	Y	-	-	Y	Y
Bonus Size Amount	MEA03	Y	Y	-	-	-	-
Heat of Combustion	MEA03	Y	Y	-	-	-	-
FMI Dimensions	MEA03	Y	Y	-	-	-	-
Flashpoint Temperature	MEA03	Y	Y	-	-	-	-

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Juice Content Percentage	MEA03	Y	Y	-	-	-	-
Strength	MEA03	-	-	-	-	Y	Y
EAS Tag Indicator	PKG04	Y	Y	-	-	Y	Y
Special Packaging Codes	PKG05	Y	Y	-	-	-	-
Promotional Marking	PKG05	Y	Y	-	-	-	-
Dimensions - Height, Width, Depth	G5505-10	Y	Y	-	-	Y	Y
Pack	G5513	Y	Y	-	-	Y	Y
Size & Unit-of-Measure	G5514/15	Y	Y	-	-	Y	Y
Cash Register Description – English & French	G5516/G5517	O	Y	-	-	-	-
Coupon Family Code	G5518	Y	Y	-	-	-	-
Dated Product Number of Days	G5519	Y	Y	-	-	Y	Y
Pre-Priced Product Indicator	G5521	Y	Y	-	-	-	-
Tare Weight	G5527	Y	Y	-	-	-	-
Substitute for GTIN	G5529/30	Y	Y	-	-	Y	Y
Packaging Code	G5533	Y	Y	-	-	Y	Y
Manufacturer Suggested Retail	CTP	-	Y	-	-	Y	Y
Bottle Deposit Amount by Province	CTP/G43	-	Y	-	-	-	-
Origin of Product Country/Province	N104	Y	Y	-	-	Y	Y
Marked Expiry Date	PKG04	Y	Y	-	-	-	-
Marked Lot Number	PKG04	Y	Y	-	-	-	-

(1) When the Vendor prices by the Consumer Unit, pricing would be transmitted at the item level.

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Packaging Level / Field	Reference	FM2	FM3	FS2	FS3	RX1	RX2
Marked Inner Level or MultiPack		Y	Y	Y	Y	-	Y
U.P.C or SCC14	LIN03	Y	Y	Y	Y	-	Y
Item/Style	LIN05	Y	Y	Y	Y	-	Y
Change Date	DTM	Y	Y	Y	Y	-	Y
First Ship Date	DTM	Y	Y	-	-	-	Y
First Order Date	DTM	Y	Y	-	-	-	Y
Cancel Date	DTM	Y	Y	-	-	-	Y
Discontinue Date	DTM	Y	Y	-	-	-	Y
Reinstatement Date	DTM	Y	Y	-	-	-	Y
Prepack Subject to Change (Pack Type=PC)	PID04	Y	Y	-	-	-	Y
Trade Name – English & French (V2) (Brand)	PID05	Y	Y	-	-	-	Y
Short Description – English & French	PID05	Y	Y	Y	Y	-	Y
Extended Description – English & French	PID05	Y	Y	-	-	-	Y
ECCC Interim Class Code	PID05	Y	Y	-	-	-	Y
IFDA Classification (Only FS)	PID04	-	-	-	-	-	-
Product Type	PID04	Y	Y	-	-	-	Y
Expected Product Life	MEA03	-	-	-	-	-	Y
Dimensions - Height, Width, Depth	G5505-10 or G3908-13	Y	Y	O	O	-	Y
Size & Unit-of-Measure	G5514/15 or G3918/19	Y	Y	O	O	-	Y
Number of consumer units per inner	G5513/32 or G3917/27 SLN04	Y	Y	Y	Y	-	Y
Gross & Net Weight	G5523 or G3905, G5526 or G3926	Y	Y	O	O	-	Y
Volume (Cube)	G5511 or G3914	Y	Y	O	O	-	Y
Substitute for GTIN	G5529/30 or G3923/24	Y	Y	-	-	-	Y
U.P.C Consumer Package or EAN Code contained in Marked Inner	SLN10	Y	Y	Y	Y	-	Y

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Packaging Level / Field	Reference	FM2	FM3	FS2	FS3	RX1	RX2
Case / Vendor Selling Unit		Y	Y	Y	Y	-	Y
SCC14 (or UPC if UPC Marked)	LIN03	Y	Y	Y	Y	-	Y
Item/Style	LIN05	Y	Y	Y	Y	-	Y
Change Date	DTM	Y	Y	Y	Y	-	Y
First Ship Date	DTM	Y	Y	Y	Y	-	Y
First Order Date	DTM	Y	Y	Y	Y	-	Y
Cancel Date	DTM	Y	Y	-	-	-	Y
Discontinue Date	DTM	Y	Y	Y	Y	-	Y
Reinstatement Date	DTM	Y	Y	-	-	-	Y
Minimum Order Quantity	CTB04	Y	Y	Y	Y	-	Y
Maximum Order Quantity	CTB04	Y	Y	-	-	-	Y
Product Type	PID04	Y	Y	Y	Y	-	Y
Product can't be reordered (Product Reordering=RN)	PID04	Y	Y	-	-	-	Y
Product can be reordered (Product Reordering=RY)	PID04	Y	Y	-	-	-	Y
Seasonal Product (not available)	PID04	Y	Y	-	-	-	Y
Seasonal Product (available)	PID04	Y	Y	-	-	-	Y
Trade Name – English & French (V2) (Brand)	PID05	Y	Y	Y	Y	-	Y
Short Description – English & French	PID05	Y	Y	Y	Y	-	Y
Extended Description – English & French	PID05	Y	Y	Y	Y	-	Y
ECCC Interim Class Code	PID05	Y	Y	O	O	-	Y
IFDA Classification (Only FS)	PID04	-	-	Y	Y	-	-
Stackable (Yes/No)	PID04	Y	Y	-	-	-	Y
Billed Dimensions (Catchweight Min/Max)	MEA	-	-	Y	Y	-	-
Expected Product Life	MEA03	-	-	Y	Y	-	-
Storage Temperature	MEA03	-	-	Y	Y	-	-
Unload Equipment Forklift (Pallet –Yes)	PKG04	Y	Y	-	-	-	-
Packing - Loose (Pallet –No)	PKG05	Y	Y	-	-	-	-
Hazardous Material & Transportation Handling	TD4	Y	Y	Y	Y	-	Y
Lead Time	LDT02	-	-	Y	Y	-	-
Price & Terms (See Note)	CTP Loop	-	Y	-	Y	-	Y
Manufacturer Name/Address/DUNS+4	N1, N2, N4	Y	Y	-	-	-	Y

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Manufacturer/Broker Invoice Indicator	N1	Y	Y	-	-	-	Y
Ship From	N1/N4	Y	Y	-	-	-	-
Special Handling Code	G3904	Y	Y	Y	Y	-	-
Gross & Net Weight	G3905, G3926	Y	Y	Y	Y	-	Y
Dimensions - Height, Width, Depth	G3908-13	Y	Y	Y	Y	-	Y
Volume (Cube)	G3914	Y	Y	Y	Y	-	Y
Pallet Tier and Tier	G3916	Y	Y	Y	Y	-	Y
Size & Unit-of-Measure	G3918/19	Y	Y	Y	Y	-	Y
Number of consumer units per inner & inners	G3917, G3926, SLN04	Y	Y	Y	Y	-	Y
Substitute for GTIN	G3923/24	Y	Y	-	-	-	Y
Unmarked Inner – Height, Width, Depth and number of consumer units per inner	PKL	Y	Y	-	-	-	Y
U.P.C Consumer Package or EAN Code contained in Marked Inner	SLN10	Y	Y	Y	Y	-	Y

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Packaging Level / Field	Reference	FM2	FM3	FS2	FS3	RX1	RX2
Pricing Information		-	Y	-	Y	-	Y
Cost – DC Case or DSD Unit	CTP	-	Y	-	Y	-	Y
Price Start	DTM	-	Y	-	Y	-	Y
Price End	DTM	-	Y	-	Y	-	Y
Order Start Date	SAC ZZZZ	-	Y	-	Y	-	Y
Order End Date	SAC ZZZZ	-	Y	-	Y	-	Y
Requested Delivery Start Date	SAC ZZZZ	-	Y	-	Y	-	Y
Requested Delivery End Date	SAC ZZZZ	-	Y	-	Y	-	Y
Ship Start Date	SAC ZZZZ	-	Y	-	Y	-	Y
Ship End Date	SAC ZZZZ	-	Y	-	Y	-	Y
Currency Code	CUR	-	Y	-	Y	-	Y
Retailer-Specific Price Identification	REF02	-	Y	-	Y	-	Y
Market Area – All Stores or Store Numbers	G43	-	Y	-	Y	-	Y
Market Area – All Stores	G43	-	Y	-	Y	-	Y
Market Area – Description	G4303	-	Y	-	Y	-	Y
Allowances / Charges / Other	SAC	-	Y	-	Y	-	Y
Pricing Comments	SAC	-	Y	-	-	-	Y
Delivery Allowance	SAC – C040 Delivery	-	Y	-	Y	-	Y
Pickup Allowance	SAC – F340 Pickup	-	Y	-	Y	-	Y
Promotions Delivered to Store	CTP DSD, SAC - OHPR	-	Y	-	-	-	Y
Deal Extended Terms	SAC	-	Y	-	Y	-	-
Price Protection – Warehouse Stock – Qty	G26	-	Y	-	-	-	Y
Price Protection – Store Stock – Qty	G26	-	Y	-	-	-	Y
Cross Dock Indicator (Pick n Pack)	G26	-	Y	-	-	-	Y

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Hardlines Attributes

Following is the list of attributes in ECCnet that are defined for UCCnet 2.3 and the hardlines extension. The attributes listed in Table 1 are those which vendors are required to populate. There are other attributes (see Table 2 and 3) that will be defaulted by ECCnet based on other attributes plus system-generated values. For attribute definitions, usage guidelines and default criteria, please refer to the ECCCC Canadian Data Synchronization Hardlines Implementation Guidelines available at www.eccc.org/hardlines. Within this EDI mapping guide, hardlines attributes are identified within an ECCnet box and marked as GDD. Dependent means that the implementation rule applies.

Table 1

Hardlines Attribute Name	ECCnet Name	EDI Segment	M = Mandatory O = Optional D = Dependant	Implementation Rule
eanuccCode	GTIN	LIN	M	
eanuccCodeType	GTIN Type	LIN	M	
brandName	Brand Name	PID	M	If not provided, defaults to "Unbranded".
descriptionShort	Short Description	PID	M	
additionalClassificationCategoryCode	UDEX Code	PID	M	
effectiveDate	Effective Date	DTM	M	
canceledDate	Cancel Date	DTM	O	
discontinuedDate	Discontinue Date	DTM	O	
startAvailabilityDateTime	Available Date	DTM	M	
endAvailabilityDateTime	End Available Date	DTM	O	
isTradeItemABaseUnit	Base Unit Item	PID	D	At least one of these must be provided. For the ones that are not provided, ECCnet will generate outbound a no value.
isTradeItemAConsumerUnit	Consumer Unit	PID	D	
isTradeItemADespatchUnit	Despatch Unit	PID	D	
isTradeItemAnInvoiceUnit	Invoice Unit	PID	D	
isTradeItemAnOrderableUnit	Orderable Unit	PID	D	
isTradeItemAVariableUnit	Variable Unit	PID	D	
barCodeType	Bar Code Type	PKG	M	
tradeItemUnitDescriptor	Product Type	PID	M	
modelName	Model Number	LIN	D	Required if the trade item has been flagged as a consumer unit .

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Hardlines Attribute Name	ECCnet Name	EDI Segment	M = Mandatory O = Optional D = Dependant	Implementation Rule
alternateTradeItemIdentification	Alternate Trade Item Identification	LIN	O	
replacedTradeItemIdentification	Substitution GTIN	G55/G39	O	
subBrand	Sub Brand	PID	O	
brandOwner	Brand Owner GLN	N1	M	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer GLN.
nameOfBrandOwner	Name of Brand Owner	N1	D	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer name.
additionalTradeItemDescription	Detailed Description	PID	O	
tradeItemFinishDescription	Finish Description	PID	O	
colorDescription	Color Description	PID	O	When colorDescription is specified, then colorCodeValue and colorCodeListAgency are required.
variant	Variant	PID	O	
packagingMaterialCode	Packaging Material	G55/G39	M	
packagingTypeCode	Packaging Form	G55/G39	M	
countryOfOrigin	Country of Origin	N1	M	
orderingLeadTime	Lead Time	LDT	D	Required if the trade item has been flagged as a orderable unit .
minimumTradeItemLifespanFromTimeOfArrival	Expected Product Life	MEA	O	
nameOfManufacturer	Name of Manufacturer	N1	D	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer name.

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Hardlines Attribute Name	ECCnet Name	EDI Segment	M = Mandatory O = Optional D = Dependant	Implementation Rule
manufacturer	Manufacturer GLN	N1	M	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer GLN.
informationProvider	Information Provider GLN	N1	M	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer GLN.
nameOfInformationProvider	Name of Information Provider	N1	D	If the vendor does not load, ECCnet will generate the data based on the vendor profile set up in ECCnet, which is set to the manufacturer name.
orderQuantityMaximum	Maximum Order Quantity	CTB	O	
orderQuantityMinimum	Minimum Order Quantity	CTB	O	
orderQuantityMultiple	Order Quantity Multiple	CTB	O	
netContent/UOM	Size/UOM	G55/G39	D	Required if the trade item has been flagged as a consumer unit .
height/UOM	Height/UOM	G55/G39	M	When provided, their UOM must all match.
width/UOM	Width/UOM	G55/G39	M	
depth/UOM	Depth/UOM	G55/G39	M	
grossWeight/UOM	grossWeight/UOM	G55/G39	D	Required if the trade item has been flagged as a orderable unit .
netWeight/UOM	netWeight/UOM	G55/G39	D	Required if the trade item has been flagged as a consumer unit .
volume/UOM	volume/UOM	G55/G39	D	Required if the trade item has been flagged as a orderable unit .
outOfBoxDepth	Out of Box Depth	MEA	D	If one is provided all 3 are required.
outOfBoxHeight	Out Of Box Height	MEA	D	
outofBoxWidth	Out of Box Width	MEA	D	
pegHorizontal	Horizontal Peg	MEA	O	

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Hardlines Attribute Name	ECCnet Name	EDI Segment	M = Mandatory O = Optional D = Dependant	Implementation Rule
pegVertical	Vertical Peg	MEA	O	
stackingFactor	Stacking Factor	MEA	O	
stackingWeightMaximum	Stacking Weight Maximum	MEA	O	
nestingIncrement (Factor)	Nested Increment	MEA	O	
piecesPerTradeItem	Pieces Per Trade item	MEA	O	
quantityOfInnerPack	Inner Pack	G55/G39	O	
quantityOfNextLevelTradeItemWithinInnerPack	Pack	G55/G39	O	
quantityOfNextLowerLevelTradeItem	Number of Inner Packs	SLN	M	
sellingUnitofMeasure	selling Unit of Measure	MEA	M	Required if the trade item has been flagged as a consumer unit If Selling Unit of Measure is provided, you must also provide Ordering Unit of Measure.
orderingUnitofMeasure	Ordering Unit of Measure	MEA	O/D	Required if the trade item has been flagged as a consumer unit If Ordering Unit of Measure is provided, you must also provide Selling Unit of Measure.
quantityOfCompleteLayersContainedInATradeItem	Tier	G39	O	
quantityOfTradeItemsContainedInACompleteLayer	Ti	G39	O	
tradeItemRecallIndicator	Trade Item Recall Indicator	PID	M	
returnGoodsPolicy	Return Goods Policy	PID	M	
securityTagLocation	EAS Tag Location	PKG	O	If securityTagLocation is provided, you must also provide the securityTagType.
securityTagType	EAS Tag Type	PKG	O	If securityTagType is provided, you must also provide the securityTagLocation.

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Hardlines Attribute Name	ECCnet Name	EDI Segment	M = Mandatory O = Optional D = Dependant	Implementation Rule
URLforWarranty	URL for Warranty	PID	O	
warrantyDescription	Warranty Description	PID	O	
storageHandlingTemperatureMaximum	Storage Handling Temperature Maximum	MEA	O	
storageHandlingTemperatureMinimum	Storage Handling Temperature Minimum	MEA	O	
materialSafetyDataSheetNumber	Material Safety Data Sheet Number	REF	O	
importClassificationValue	Import Classification Value	TC2	O	When either importClassificationValue or importClassificationType is present, then the other is also required.
importClassificationType	Import Classification Type	TC2	O	When either importClassificationType or importClassificationValue is present, then the other is also required.
tradeItemGroupIdentificationCode	Selection Code	BCT	M	
tradeItemGroupIdentificationDescription	Selection Code Description	BCT	M	
isPackagingMarkedAsReturnable	Is Packaging Marked As Returnable	PID	M	If not sent, ECCnet will default to no.
isPackagingMarkedAsRecyclable	Is Packaging Marked As Recyclable	PID	M	If not sent, ECCnet will default to no.

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Table 2

The following attributes are populated by ECCnet based on data provided by the vendor for the attributes listed in Table 1:

Attribute Name	Default Rule
additionalClassificationAgencyName and additionalClassificationCategoryDescription	Based on the UDEX code
brandName	If not sent, ECCnet will default to "Unbranded"
globalTradeItemNumber	Based on EAN.UCC code
isBarcodeOnThePackage	Defaulted based on barCodeType
materialSafetyDataSheet	Based on materialSafetyDataSheetNumber
packagingMaterialCodeListMaintenanceAgency	Based on packagingMaterialCode
packagingMaterialDescription	Based on packagingMaterialCode
packagingTypeDescription	Based on packagingTypeCode
isPackagingMarkedAsRecyclable	If not sent, ECCnet will default to no
isPackagingMarkedAsReturnable	If not sent, ECCnet will default to no
publicationDate	System generated on the date the vendor releases the data to the retailer
isTradeItemABaseUnit	If not sent, ECCnet will default to no
isTradeItemAConsumerUnit	If not sent, ECCnet will default to no
isTradeItemAOrderableUnit	If not sent, ECCnet will default to no
isTradeItemAVariableUnit	If not sent, ECCnet will default to no
isTradeItemAInvoiceUnit	If not sent, ECCnet will default to no
isTradeItemADespatchUnit	If not sent, ECCnet will default to no
IsTradeItemRecalled	If not sent, ECCnet will default to no
securityTagIndicator	Based on securityTagLocation and SecurityTagType
tradeItemDescription	Populated with shortDescription
functionalName	Populated with shortDescription
outOfBoxProvided	Defaulted based on out of box width, height and length
warrantyIndicator	Defaulted if either URL for Warranty or Warranty Description is populated

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1. Introduction to Hardlines

The attributes defined within this guideline are supported by UCCnet 2.4.

Key definitions that will help you understand this guideline:

Trade Item – A trade item is any product or service upon which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. A trade item can represent any level of product containment (case, consumer unit, pallet, etc.) and also can represent a service.

ECCnet maintained attributes – attributes noted as such will be populated by ECCnet based on the existence of data provided in other attributes or the non-existence of attributes. For example, the `isPackagingMarkedAsReturnable` attribute is mandatory, however if it is not populated it is assumed that it means the trade item is not marked as returnable therefore, ECCnet will generate a no value for the attribute.

Due to the number of descriptions required, and because some are very similar, ECCnet will populate these with description short.

The Registry and Hardlines requirements processing rules are documented throughout this guideline. Due to the complexity of their implementation, please see below for more information.

A trade item hierarchy must contain at least one orderable unit and at least one consumer unit. For example:

- If you are loading a case GTIN and a consumer unit GTIN, one must be flagged as an orderable unit and one must be flagged as a consumer unit.
- If you are loading a trade item that is both your orderable unit and the consumer unit, the GTIN must be flagged as both an orderable unit and a consumer unit.

Orderable unit is indicated by flagging the attribute `isTradeItemAnOrderableUnit` as present.

Consumer unit is indicated by flagging the attribute `isTradeItemAConsumerUnit` as present.

If your GTIN is a variable unit (`isTradeItemAVariableUnit`), your product hierarchy must also contain an orderable unit, which must also then contain a consumer unit, as per the note above.

If your GTIN is flagged as an **orderable unit**, the following attributes must be supplied:

- volume
- grossWeight
- orderingLeadTime

If your GTIN is flagged as a **consumer unit**, the following attributes must be supplied:

- netContent
- netWeight
- sellingUnitOfMeasure
- orderingUnitOfMeasure
- modelNumber

See Appendix A for EDI transaction samples.

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Sub-Organization GLN

Sub Organization GLN's are used to identify the GLN of sub organization of the vendor. This information is required to be loaded prior to loading your data if you require a GLN other than your own. The vendor GLN you provide for your catalogue set up is used to establish your catalogue profile. Any GTIN's loaded are assumed to belong to the vendor GLN unless you specify otherwise.

Brand Owner GLN and Brand Owner Name

In the scenario where the Vendor is loading GTIN's that are owned by another party, the brand owner needs to be identified and set up on the Vendor Profile.

These Brand Owner GLN's needs to be set up in the Sub Organization GLN to ensure that the correct Brand Owner GLN's are assigned to the appropriate GTIN's. Example as follows:

Vendor		
GTIN "1"	Brand Owner Name Brand ABC	Brand Owner GLN 0551000144442
GTIN "2"	Brand Owner Name Brand XYZ	Brand Owner GLN 0551000155554

1. Document Structure Chart

832 Price/Sales Catalogue

Functional Group ID=SC

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalogue Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to furnishing or requesting the price of goods or services in the form of a catalogue.

Heading:

	Pos. No.	Seg. ID	Req. Name	Des.	Loop Max.Use	Notes and Repeat	Comments	
ECCnet:		ISA	Interchange Header		M	1		
		GS	Functional Group Header		M	1		
		010	ST	Transaction Set Header	M	1		
		020	BCT	Beginning Segment for Price/Sales Catalog	M	1	Note 1	
		070	DTM	Date/Time Reference	O	10	Note 2	
		090	CUR	Currency	O	5	Note 2	
	N/U	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	N/U	120	LDT	Lead Time	O	>1		
	N/U	130	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
	N/U	140	FOB	F.O.B. Related Instructions	O	1		
	N/U	145	G93	Price Bracket Identification	O	50		
	N/U	147	AAA	Request Validation	O	1		
	LOOP ID - N1							>1
		150	N1	Name		O	1	
		160	N2	Additional Name Information		O	2	ECCnet = 1
	170	N3	Address Information		O	2		
	180	N4	Geographic Location		O	>1	ECCnet = 1	
N/U	190	REF	Reference Identification		O	12		
	200	PER	Administrative Communications Contact		O	>1		

Detail:

	Pos. No.	Seg. ID	Req. Name	Des.	Loop Max.Use	Notes and Repeat	Comments	
ECCnet:	LOOP ID - LIN							
		010	LIN	Item Identification		O	1	
		015	G53	Maintenance Type		O	1	Note 1
		030	DTM	Date/Time Reference		O	10	Note 2
		040	REF	Reference Identification		O	>1	
		060	CTB	Restrictions/Conditions		O	25	
		070	PID	Product/Item Description		O	200	
		080	MEA	Measurements		O	40	

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	090	PKG	Marking, Packaging, Loading	O	25		
	110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
N/U	130	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	140	LDT	Lead Time	O	1		
N/U	150	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
N/U	160	FOB	F.O.B. Related Instructions	O	1		
N/U	164	AAA	Request Validation	O	1		
	165	TC2	TC2 Commodity	O	2		
	168	G55	Item Characteristics - Consumer Unit	O	1		
	LOOP ID - CTP					100	
	170	CTP	Pricing Information	O	1		
N/U	175	G40	Bracket Price	O	99		
	180	DTM	Date/Time Reference	O	10		
	182	G36	Price List Reference	O	1		
	200	CUR	Currency	O	5	ECCnet = 1	Note 2
	225	REF	Reference Identification	O	>1		
	227	G43	Promotion/Price List Area	O	9999		
	228	SAC	Service, Promotion, Allowance, or Charge Information	O	>1		
	229	G26	Pricing Conditions	O	99		
	LOOP ID - N1					>1	
	230	N1	Name	O	1		
	240	N2	Additional Name Information	O	2		
	250	N3	Address Information	O	2		
	260	N4	Geographic Location	O	1		
	LOOP ID - G39					>1	
	283	G39	Item Characteristics - Vendor's Selling Unit	O	1		
N/U	284	CTP	Pricing Information	O	1		
	LOOP ID - PKL					20	
	285	PKL	Multi-Pack Configuration	O	1		
	LOOP ID - SLN					>1	
	350	SLN	Subline Item Detail	O	1		

Summary:

Pos. No.	ID	Req. Name Des.	Loop Max. Use	Notes and Repeat	Comments
010	CTT	Transaction Totals	O	1	
020	SE	Transaction Set Trailer	M	1	
	GE	Functional Group Trailer	M	1	
	IEA	Interchange Trailer	M	1	

Transaction Set Notes

ECCnet Notes:

1. If BCT10=00 is used, then G5301 is used to specify the action code for each LIN loop. If BCT10 does not equal 00, then the BCT10 value is used to specify the "transaction set purpose", and G53 segments should not be transmitted.
2. Segment is accepted in the Header Area inbound from vendors; it will be generated outbound to retailers within the Detail Area. Same type segments transmitted in both the Header and Detail from vendors follow the usual "override" rules (i.e. – Detail overrides Header).
3. Elements preceded with '}}' are ECCnet mandatory within the segment (applies to all segments). Elements marked with '}}' and '>>' (VICS mandatory) that are not provided inbound result in rejection of the entire segment, the entire LIN loop, or the entire 832 transaction set, depending upon the level (Header, Detail) where the errored segment is encountered.
4. The ISA and GS Sender/Receiver information is validated according to the information provided on the ECCnet Implementation Form – certain restrictions apply. See the ISA and GS segment below for validation criteria.
5. The LIN loop is used to transmit information pertaining to one GTIN (Global Trade Item Number). Within an LIN loop either the G55 (Consumer Unit) or G39 (Vendor Selling Unit) segment may be used – but not both within ONE loop.
6. The SLN loop is used to transmit the hierarchy between levels of packaging (i.e. a Case "contains" these Consumer Items"). ECCnet validates that the GTIN referenced in the SLN is already defined in the Vendor's Catalogue. **Therefore LIN loops must be transmitted such that lower levels of packaging are before higher levels of packaging that reference the lower levels.**
7. Sending an "Add" for an existing GTIN, it turns into a "Modify" and the differences are applied. Attempting to "Change" or "Replace" a GTIN that does not exist in the Vendor's Catalogue will be rejected.
8. Price changes are communicated through the use of a "Price Sheet" 832. Price Sheet is identified by BCT01 = PS and is used to communicate only price changes. Either BCT10=00 and G53 segments are used to identify "change" or BCT10=4. See further notes on the BCT segment and CTP segment.
9. Codes identified as being under "Change Request" mode are already available for use within the ECCnet system in anticipation of them being approved.
10. For the hardlines implementation, you must send to ISA and GS receiver ZZ/GPC493832.

2. Segment Mappings

Segment: **ISA** Interchange Header

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Notes: The ISA segment is fixed length (min/max are equal for each element), however, data element separators are used between data elements to be consistent with the basic syntax of segment structure.

The following control characters have been identified for use in the retail industry.

Segment Terminator

NEW LINE— (HEX "15" in EBCDIC)
CR— (HEX "0D" in ASCII)

This segment terminator that is to be used in the transmission is defined by the first occurrence of the segment terminator in the ISA segment; i.e., ISA*00....N/L

Whichever character is used for the segment terminator must be used throughout the transmission.

Element Separator

Recommended Character:

BELL— (HEX "2F" in EBCDIC)
(HEX "07" in ASCII)

Alternate Character:

"*"— (HEX "5C" in EBCDIC)
(HEX "2A" in ASCII)

The element separator that is to be used in the transmission is defined by the first occurrence of the element separator in the ISA segment; i.e., ISA*00....

Component Separator

">"— (HEX "6E" in EBCDIC)
(HEX "3E" in ASCII)

CAUTION:

Any time a printable character is used to indicate the separation of data elements or segments, that control character cannot be used as data within the transmission. Some systems/network protocols may translate control characters when going from EBCDIC to ASCII and back.

The ISA segment supports the UCS Communication Standard as well as the normal ASC X12 convention for identification of the receiver and the sender.

ISA03 and ISA04 are used only if the trading partners are using the UCS Communication Standard. If the UCS Communication Standard is NOT used, ISA03 will contain code 00 and ISA04 will contain spaces. If the UCS Communication Standard is being used, ISA03 will contain code 01, ISA04 will contain the password, ISA05 will contain code 08, ISA06 will contain the sender's UCC EDI Comm ID, ISA07 will contain code 08 and ISA08 will contain the receiver's UCC EDI Comm ID.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ISA01	I01 Authorization Information Qualifier	M ID 2/2
		Code to identify the type of information in the Authorization Information	
		00 No Authorization Information Present	

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>>	ISA02	I02	Authorization Information M AN 10/10 Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Normally this field is blank.																
>>	ISA03	I03	Security Information Qualifier M ID 2/2 Code to identify the type of information in the Security Information. Security information is used only when using the UCS Communication Standard. Normally the value is 00. 00 No Security Information Present																
>>	ISA04	I04	Security Information M AN 10/10 This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Normally this field is blank. If ISA03 contains code 01, this field will contain a password that has been agreed to by the sender and receiver. ECCnet: This field is blank.																
>>	ISA05	I05	Interchange ID Qualifier M ID 2/2 Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. The Interchange ID Qualifier is used to define the code used, in ISA06, to identify the sender of the interchange. The Uniform Code Council assigned EDI Communications ID (Comm ID) is the convention for the identification of the sender and receiver of the EDI transmission. All members should encourage their respective trading partners to obtain and use the UCC Comm ID. The common means of identification of transportation carriers is the Standard Carrier Alpha Code (SCAC). When sending to or receiving from a transportation carrier, the SCAC should be used to identify the carrier. ECCnet: The following EDI qualifier/ID pairs are supported for ECCnet. <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 20px;">01</td> <td>Duns (Dun & Bradstreet)</td> </tr> <tr> <td></td> <td>Nine digits</td> </tr> <tr> <td>08</td> <td>UCC EDI Communications ID (Comm ID)</td> </tr> <tr> <td></td> <td>UCC assigned Comm ID, VICS EDI Comm ID</td> </tr> <tr> <td>12</td> <td>Phone (Telephone Companies)</td> </tr> <tr> <td></td> <td>Telephone number including area code without any punctuation</td> </tr> <tr> <td>14</td> <td>DUNS Plus Suffix</td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table> ECCnet: ZZ UCC/EAN Global Location Number (Change Request Pending EC 1-02) ECCnet: 20 HIN (Change Request Pending EC 1-02) ZZ Mutually Defined Inbound - UCC/EAN Global Location Number (Change Request Pending EC 1-02) Outbound - Mutually Defined	01	Duns (Dun & Bradstreet)		Nine digits	08	UCC EDI Communications ID (Comm ID)		UCC assigned Comm ID, VICS EDI Comm ID	12	Phone (Telephone Companies)		Telephone number including area code without any punctuation	14	DUNS Plus Suffix	ZZ	Mutually Defined
01	Duns (Dun & Bradstreet)																		
	Nine digits																		
08	UCC EDI Communications ID (Comm ID)																		
	UCC assigned Comm ID, VICS EDI Comm ID																		
12	Phone (Telephone Companies)																		
	Telephone number including area code without any punctuation																		
14	DUNS Plus Suffix																		
ZZ	Mutually Defined																		
>>	ISA06	I06	Interchange Sender ID M AN 15/15 The identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes the value in the sender ID element. The identification code described by ISA05, left justified, blank filled. ECCnet: Inbound to ECCnet: The ISA05/06 values must match the information provided by ECCnet. Outbound from ECCnet: The ISA05/06 values are ZZ, UPCEXPDATA ECCnet recommends the use of your company Global Location Number (GLN) to be used as your sender ID																
>>	ISA07	I05	Interchange ID Qualifier M ID 2/2																

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Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.

The Interchange ID Qualifier is used to define the code used, in ISA08, to identify the receiver of the interchange.

The Uniform Code Council assigned EDI Communications ID (Comm ID) is the convention for the identification of the sender and receiver of the EDI transmission. All members should encourage their respective trading partners to obtain and use the UCC Comm ID. The common means of identification of transportation carriers is the Standard Carrier Alpha Code (SCAC). When sending to or receiving from a transportation carrier, the SCAC should be used to identify the carrier.

ZZ Mutually Defined

ECCnet

20 HIN (Change Request Pending EC 1-02)

ZZ Mutually Defined

Inbound - UCC/EAN Global Location Number (GLN) (Change Request Pending EC 1-02)

Outbound – Mutually Defined

For the hardlines implementation, ECCnet's receiver ID is ZZ/GPC493832.

ECCnet recommends the use of your company Global Location Number (GLN) to be used as your sender ID

>>	ISA08	I07	<p>Interchange Receiver ID M AN 15/15</p> <p>Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.</p> <p>The identification code described by ISA07, left justified, blank filled.</p>
<u>ECCnet:</u>			
Inbound to ECCnet: The ISA07/08 values are ZZ, UPCEXPDATA			
>>	ISA09	I08	<p>Interchange Date M DT 6/6</p> <p>Date of the interchange</p> <p>The date the interchange was created in the sender's system; submit date. Format is YYMMDD.</p>
>>	ISA10	I09	<p>Interchange Time M TM 4/4</p> <p>Time of the interchange.</p> <p>The time the interchange was created in the sender's system; submit time. Format is HHMM; 24 hour clock.</p>
>>	ISA11	I10	<p>Interchange Control Standards Identifier M ID 1/1</p> <p>Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer</p> <p style="text-align: center;">U U.S. EDI Community of ASC X12, TDCC, and UCS</p>
>>	ISA12	I11	<p>Interchange Control Version Number M ID 5/5</p> <p>This version number covers the interchange control segments</p> <p>This version number is for the envelope only. It is not the same as the version number in GS08.</p> <p>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997, Version 4, Release 1 Version 4, Release 1</p>
>>	ISA13	I12	<p>Interchange Control Number M NO 9/9</p> <p>A control number assigned by the interchange sender</p> <p>The number is sequentially assigned, by the sender, starting with one within each trading partner. The trading partner at the interchange level is defined by the interchange Receiver ID (ISA08). The control number is incremented by one for each interchange envelope sent to the trading partner. When the control number reaches 999999999 (maximum size), the next interchange envelope will have control number 000000001.</p>
>>	ISA14	I13	<p>Acknowledgment Requested M ID 1/1</p> <p>Code sent by the sender to request an interchange acknowledgment (TA1).</p> <p>The retail industry is not using transmission acknowledgments. The transmission acknowledgment is not the same as the functional group acknowledgment</p> <p style="text-align: center;">0 No Acknowledgment Requested</p>
>>	ISA15	I14	<p>Usage Indicator M ID 1/1</p>

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Segment: **GS** Functional Group Header

Purpose: To indicate the beginning of a functional group and to provide control information

- Semantic:**
- 1 GS04 is the group date.
 - 2 GS05 is the group time.
 - 3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments: A A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	GS01	479 Functional Identifier Code Code identifying a group of application related transaction sets Valid values include the following: SC Price/Sales Catalog (832)	M ID 2/2
>>	GS02	142 Application Sender's Code Code identifying party sending transmission codes agreed to by trading partners A unique code to identify the sender. This is usually the same as the code used in ISA06. It could be used to define sub organization, i.e., companies of a corporation, departments, etc. The trading partners must agree on the codes.	M AN 2/15
ECCnet: This value is identical to ISA06			
>>	GS03	124 Application Receiver's Code Code identifying party receiving transmission. Codes agreed to by trading partners A unique code to identify the receiver. This is usually the same as the code used in ISA08. It could be used to define sub organization, i.e., companies of a corporation, departments, etc. The trading partners must agree on the codes.	M AN 2/15
ECCnet: This value is identical to ISA08 For the hardlines implementation the GS03 is GPC493832.			
>>	GS04	373 Date Date expressed as CCYYMMDD The date the group was created in the sender's system; submit date. Format is CCYYMMDD.	M DT 8/8
>>	GS05	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) The time the group was created in the sender's system; submit time. Format is HHMM; 24 hour clock.	M TM 4/8
>>	GS06	28 Group Control Number Assigned number originated and maintained by the sender The number assigned by the sender must be unique within each trading partner. The trading partner at the group level is defined by the Application Receiver Code (GS03). The uniqueness must be maintained until such time that a Functional Acknowledgment is received for that group.	M NO 1/9
>>	GS07	455 Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	M ID 1/2
>>	GS08	480 Version / Release / Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and	M AN 1/12

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subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed.

This is the version/release/industry subset of the transaction sets within the group. This is not the same as the version number in ISA12.

004010VICS

Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997, Version 4, Release 1, the VICS EDI subset, or ANSI X12 version/release 4.1

Segment Example:

This functional group contains documents in version 004010VICS format.
The sender ID is 1234567890123, the supplier's GLN. The receiver ID is UPCEXPDATA.

GS*SC*1234567890123*UPCEXPDATA*20040415*1359*000000001*X*004010VICS~

Hardline Example:

This functional group contains documents in version 004010VICS format.
The sender ID is 1234567890123, the supplier's GLN. The receiver ID is GPC493832.

GS*SC*1234567890123*GPC493832*20040415*1359*000000001*X*004010VICS~

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Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (i.e., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 832 Price/Sales Catalog	M ID 3/3
>> ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	M AN 4/9

Segment Example:

This is an 832 transaction set. The document control number is "00001".

ST*832*00001~

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Segment: **BCT** Beginning Segment for Price/Sales Catalog

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Syntax Notes:

Semantic Notes:

Comments:

Notes:

BCT10 is used only to clarify, to the receiver, the sender's purpose of the transaction set. Code 13 is used to request catalogue information from the owner of the catalogue or the authorized agent, i.e., a third party catalogue service. Code 11 is used only when the transaction set is a reply to a specific request transaction. If the sender has a standing request from the receiver for specific data when a specific event takes place, i.e., women's tops, new products, every two weeks, this is NOT considered a response. The recipient will only receive a response (BCT10 contains code 11) if the recipient had previously sent a request (BCT10 contains code 13). Codes 02, 03, 04, and 05 are to be used to update catalogue information kept by the user of the catalogue data, i.e., a retailer or the vendor's agent.

If BCT10 contains code 00, a mix of adds, changes and deletes is assumed. The G53 segment, in the detail area, specifies the action to be taken.

Data may be requested or access may be granted to the entire catalogue or a portion of it without regard to any specific SKU(s). When requesting or granting catalogue access for the entire catalogue, BCT03 is not used. BCT10 will contain code 13 for requests or code 02 or 03 for access control and the detail area (LIN loop) is not used. The same procedure is used to request data or grant access to a portion of the catalogue by adding BCT03 with the appropriate selection code for the portion of the catalogue needed.

Caution must be exercised when deleting a U.P.C. from the catalogue. Due to ordering and shipping cycle times, a U.P.C. should reside on the catalogue as discontinued at least one year after the last of the product has been shipped. Deleting the U.P.C. from the catalogue does not alter the minimum retention period (30 months for apparel and 48 months for all other items) as defined in the Trade Item Identification and Communication Guidelines.

<u>Initiator of Transaction</u>	<u>BCT02</u>	<u>BCT06</u>	<u>BCT10</u>
Vendor (Owner of Catalogue)			
Catalogue Updates	Vendor ID	Not Used	00, 02, 03, 04, 05, 18
Access Control	Vendor ID	Retailer ID	02, 03
Vendor or Third Party			
One-time Request	Vendor ID	Not Used	11
Standing Request Response	Vendor ID	Not Used	Not Used
Profile List Response	Vendor ID	Retailer ID	11
Retailer (Owner Profile)			
Profile Updates	Vendor ID	Retailer ID	02, 03
Profile List Requests	Vendor ID	Retailer ID	13
One-time Catalogue Requests	Vendor ID	Not Used	13

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<u>ECCnet: The following are part of the ECCnet Subset</u>			
<u>Initiator of Transaction</u>	<u>BCT02</u>	<u>BCT06</u>	<u>BCT10</u>
Vendor (Owner of Catalogue) Catalogue Updates	Vendor ID	Not Used	00, 02, 03, 04, 05, 18
Retailer (Owner Profile) One-time Catalogue Requests	Vendor ID	Not Used	13
<u>Recipient of Transaction</u>	<u>BCT02</u>	<u>BCT06</u>	<u>BCT10</u>
Retailer Catalogue Updates	Vendor ID	Not Used	00, 02, 03, 04, 05, 18
Enabling of Automatic Updates	Vendor ID	Not Used	11

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	BCT01	683 Catalog Purpose Code Code indicating purpose of catalog PS Price Sheet RC Resale Catalog U.P.C. Catalog Data, Traditional Vendor's Catalog, and Item Maintenance	M ID 2/2
ECCnet: } }	BCT02	684 Catalog Number Identifying number for catalog or superseded catalog VENDOR ID as defined by Trade Item Identification and Communication Guidelines Owner of the catalogue, generally the vendor ITEM MAINTENANCE: Reference number	O AN 1/15
	BCT03	685 Catalog Version Number Identifying version number of catalog or superseded catalog SELECTION CODE as defined by Trade Item Identification and Communication Guidelines. Absence of BCT03 indicates entire catalogue.	O AN 1/15
N/U	BCT04	686 Catalog Revision Number Identifying revision number of catalog or superseded catalog	O AN 1/6
N/U	BCT05	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed or manner in which a measurement has been taken	O ID 2/2
N/U	BCT06	684 Catalog Number Identifying number for catalog or superseded catalog	O AN 1/15

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N/U	BCT07	685	Owner of the profile, generally the retailer. Catalog Version Number Identifying version number of catalog or superseded catalog NOT USED BY THE RETAIL INDUSTRY	O	AN 1/15
N/U	BCT08	686	Catalog Revision Number Identifying revision number of catalog or superseded catalog NOT USED BY THE RETAIL INDUSTRY	O	AN 1/6
	BCT09	352	Description A free-form description to clarify the related data elements and their content SELECTION CODE DESCRIPTION as defined by Trade Item Identification and Communication Guidelines. ECCnet: The Trade Item Identification and Communication Guidelines define the length of this field as AN 1/30. GDD: tradeItemGroupIdentificationDescription	O	AN 1/80 ECCnet: AN 1/30
ECCnet: }}	BCT10	353	Transaction Set Purpose Code Code identifying purpose of transaction set ACTION CODE as defined by Trade Item Identification and Communication Guidelines	O	ID 2/2
		00	Original This code is used in conjunction with the G53 segment in the detail area. ECCnet: G53 specifies add, change, or delete at the LIN (detail) level.		
		01	Cancellation Restricted use. See Trade Item Identification and Communication Guidelines		
		02	Add		
		03	Delete		
		04	Change		
		05	Replace		
		11	Response		
		13	Request		
		18	Reissue Restricted use. See Trade Item Identification and Communication Guidelines		

ECCnet Notes:

1. Inbound: G53 action codes are only valid and processed when BCT10=00. When BCT10 does not equal 00, the vendor should not transmit G53 segments; if he does so, they will be ignored and only the BCT10 action code will be processed.
2. Outbound: Will generate the BCT10 code transmitted inbound by the vendor for auto-updates. If 00 in BCT10 is generated, will also generate the G5301 code sent inbound by the vendor.
3. Outbound: Will generate BCT10=11 for responses to online or EDI requests. G53 segments are not applicable to 832 responses to retailers.
4. When BCT01=PS (Price Sheet) only the LIN segment and CTP loop segments should be transmitted inbound to the catalogue. Outbound the catalogue will currently send all catalogue data for the GTIN. See the CTP segment for further information on handling of prices.

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Segment Example:

The 832 transaction set is being used to add new items to trade item group 100 ("Power Tools"). The supplier's BCTID (GPCID) is 1234567890123—global location number (GLN).

BCT*RC*1234567890123*100*****Power Tools*02~

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Segment: **DTM** Date/Time Reference
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax:

1. **R02305** At least one of DTM02, DTM03 or DTM05 is required.
2. **C0403** If DTM04 is present, then DTM03 is required.
3. **P0506** If either DTM05 or DTM06 is present, then the other is required.

Notes: The publication and expiration dates identify the exact period to which the data apply. One segment for each date. This segment will be used to specify the dates for all SKUs identified in the transaction. If a particular SKU has a different date, the DTM segment in the detail area will be used to override the date for that SKU only.

Codes 196 and 197 specify the applicable dates for the prices specified in this transaction i.e., effective date of expiration date.

ECCnet:

The publication ("change") date identifies the date to which the data applies. This segment will be used to specify the dates for all LIN's identified in the transaction. If a particular LIN has a different date, the DTM segment in the detail area will be used to override the date for that LIN only.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 043 Publication DATE OF CHANGE as defined by the Trade Item Identification and Communication Guidelines. <u>ECCnet:</u> Change Date The date when the item was added, or when one or more of it's attributes was changed. If not provided the system will default to the current date.
>>	DTM02	373	Date Date expressed as CCYYMMDD C DT 8/8
N/U	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) NOT USED BY THE RETAIL INDUSTRY C TM 4/8
N/U	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow NOT USED BY THE RETAIL INDUSTRY O ID 2/2
N/U	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format NOT USED BY THE RETAIL INDUSTRY C ID 2/3

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N/U	DTM06	1251	Date Time Period	C	AN 1/35
Expression of a date, a time, or range of dates, times or dates and times					
NOT USED BY THE RETAIL INDUSTRY					

ECCnet Notes:

1. Any dates provided in the Header Area DTM segment may be overridden by those provided in DTM segments in the Detail Area (LIN loop and LIN/CTP loop). Regardless of whether dates are provided in the Header or Detail Areas, they are all stored/displayed with each GTIN number.
2. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.

Segment Example:

The trade item is being published on December 31, 2004.

DTM*043*20041231~

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Segment:	CUR Currency
Position:	090
Loop:	-
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	<p>1 C0807 If CUR08 is present, then CUR07 is required.</p> <p>2 C0907 If CUR09 is present, then CUR07 is required.</p> <p>3 L101112 If CUR10 is present, then at least one of CUR11 or CUR12 is required.</p> <p>4 C1110 If CUR11 is present, then CUR10 is required.</p> <p>5 C1210 If CUR12 is present, then CUR10 is required.</p> <p>6 L131415 If CUR13 is present, then at least one of CUR14 or CUR15 is required.</p> <p>7 C1413 If CUR14 is present, then CUR13 is required.</p> <p>8 C1513 If CUR15 is present, then CUR13 is required.</p> <p>9 L161718 If CUR16 is present, then at least one of CUR17 or CUR18 is required.</p> <p>10 C1716 If CUR17 is present, then CUR16 is required.</p> <p>11 C1816 If CUR18 is present, then CUR16 is required.</p> <p>12 L192021 If CUR19 is present, then at least one of CUR20 or CUR21 is required.</p> <p>13 C2019 If CUR20 is present, then CUR19 is required.</p> <p>14 C2119 If CUR21 is present, then CUR19 is required.</p>

Notes: All prices are assumed to be in U.S. Dollars, unless otherwise specified in this segment. The use of this segment, in the header area, denotes all prices given in the transaction set will be in the specified currency. In addition, the exchange rate for the currency specified to U.S. Dollars may be provided.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	CUR01	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	M ID 2/3
>>	CUR02	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3
	CUR03	280 Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/10

Segment Example:

The trade item will be available for order on May 15, 2004 at 8am.

CUR*SE*CAD~

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Segment:	N1 Name
Position:	150
Loop:	N1 Usage: Optional Max Use: >1
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<p>1 R0203 At least one of N102 or N103 is required.</p> <p>2 P0304 If either N103 or N104 is present, then the other is required.</p>
Semantic Notes:	
Comments:	<p>A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.</p> <p>B N105 and N106 further define the type of entity in N101.</p>
Notes:	This segment is used to identify the vendor's country of origin for the items and the shipping points(s) for the items. One segment (loop) for each point.
	<p>ECCnet: This segment is used outbound only to identify the vendor company profile information.</p>

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. ECCnet: See "Notes" section below for detailed implementation information. 	M ID 2/3
			VN Vendor	
	N102	93	Name Free-form name	C AN 1/60
N/U	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code 67.	C ID 1/2
N/U	N104	67	Identification Code Code identifying a party or other code This is the location code as defined by N103. The location code may be a format number, i.e., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.	C AN 2/80
N/U	N105	706	Entity Relationship Code Code describing entity relationship NOT USED BY THE RETAIL INDUSTRY	O ID 2/2
N/U	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual NOT USED BY THE RETAIL INDUSTRY	O ID 2/3

ECCnet Notes:

1. When BCT01 = PS (Price Sheet) this segment and loop will be ignored inbound to the catalogue.

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ECCnet Notes:

1. **N1 Loop where N101=VN (outbound):**

The N1, N2, N3, N4 segments are generated outbound to retailers provided that the Retailer has requested "Vendor Company Information" in their profile. The PER segments are generated to retailers provided that the Retailer has requested "Vendor Contacts" in their profile. This vendor information will be generated in the Header Area of the 832 only, based upon information stored in the Vendor's Company Profile.

N1 Segment: N101=VN

N102=free form vendor name

N2 Segment: N201=Trading Division (if it exists)

N3 Segment: N301=address line 1, N302=address line 2

N4 Segment: City, State/Province, Postal Code, and Country

PER Segment Name & Communication information from Vendor Company Profile.

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Segment: **N2** Additional Name Information

ECCnet
OUTBOUND ONLY

Position: 160
 Loop: N1
 Level: Heading
 Usage: Optional
 Max Use: 2

ECCnet:
1 per N1 loop maximum.

Purpose: To specify additional names or those longer than 35 characters in length.
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N201	93	Name Free-form name ECCnet: Outbound only--used to identify the Trading Division for the Vendor Company identified in N1 where N101=VN. Not valid with any other N101 code outbound, nor for any inbound N1 loops.	M AN 1/60
N/U	N202	93	Name Free Form name	O AN 1/60

ECCnet Notes:

1 See N1 segment notes for detailed mapping information.

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Segment: **N3** Address Information

ECCnet
OUTBOUND ONLY

Position: 170
 Loop: N1
 Level: Heading
 Usage: Optional
 Max Use: 2

ECCnet:
1 per N1 loop maximum

Purpose: To specify the location of the named party

Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Free Form name	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

ECCnet Notes:

1. See N1 segment notes for detailed mapping information.

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Segment: **N4** Geographic Location

Position: 180
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1

ECCnet:

1 per N1 loop

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 C0605 If N406 is present, then N405 is required.

Semantic Notes:

- Comments:**
- A A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 - B N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency See External Code Source 22 in Section III for reference document.	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) See External Code Source 51 in Section III for reference document.	O ID 3/15
N404	26	Country Code Code identifying the country. See External Code Source 5 in Section III for reference document.	O ID 2/3 (2)

ECCnet:

AR	Argentina
AU	Australia
AT	Austria
BE	Belgium
BR	Brazil
CA	Canada
CN	China
CO	Columbia
DK	Denmark
FI	Finland
FR	France
DE	Germany
HK	Hong Kong
IE	Ireland
IT	Italy
JP	Japan
KO	Korea, Republic of
MX	Mexico
NL	Netherlands
NO	Norway
PL	Poland
PT	Portugal
RU	Russian Federation
SG	Singapore

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			ZA	South Africa					
			ES	Spain					
			SE	Sweden					
			CH	Switzerland					
			GB	United Kingdom					
			US	United States					
N/U	N405	309	Location Qualifier					C	ID 1/2
			Code identifying type of location						
			NOT USED BY THE RETAIL INDUSTRY						
N/U	N406	310	Location Identifier					O	AN 1/30
			Code which identifies a specific location						
			NOT USED BY THE RETAIL INDUSTRY						

ECCnet Notes:

1 Refer to N1 Segment notes for complete implementation details.

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Segment: **PER** Administrative Communications Contact

ECCnet: OUTBOUND ONLY

Position: 200
 Loop: N1
 Level: Heading
 Usage: Optional
 Max Use: >1
 Purpose: To identify a person or office to whom administrative communications should be directed
 Syntax Notes:
 1 **P0304** If either PER03 or PER04 is present, then the other is required.
 2 **P0506** If either PER05 or PER06 is present, then the other is required.
 3 **P0708** If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
 Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>> PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named AL Alternate Contact (Added in VICS 4040)	M ID 2/2
		ECCnet: CN General Contact (Change request pending – EC 1-01) This is shown as the Secondary Contact on the web screens.	
		IC Information Contact	
		ECCnet: This is shown as the Primary Contact on the web screens.	
PER02	93	Name Free-form name	O AN 1/60
PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	C ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable	C AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	C ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable	C AN 1/80
PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	C ID 2/2
PER08	364	Communication Number Complete communications number including country or area code when applicable	C AN 1/80
N/U PER09	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number.	O AN 1/20
NOT USED BY THE RETAIL INDUSTRY			

ECCnet Notes:

1 Refer to N1 Segment notes for complete implementation details.

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Segment:	LIN Item Identification		
Position:	010		
Loop:	LIN	Usage: Optional	Max Use: >1
Level:	Detail		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify basic item identification data		
Syntax Notes:	1	P0405	If either LIN04 or LIN05 is present, then the other is required.
	2	P0607	If either LIN06 or LIN07 is present, then the other is required.
	3	P0809	If either LIN08 or LIN09 is present, then the other is required.
	4	P1011	If either LIN10 or LIN11 is present, then the other is required.
	5	P1213	If either LIN12 or LIN13 is present, then the other is required.
	6	P1415	If either LIN14 or LIN15 is present, then the other is required.
	7	P1617	If either LIN16 or LIN17 is present, then the other is required.
	8	P1819	If either LIN18 or LIN19 is present, then the other is required.
	9	P2021	If either LIN20 or LIN21 is present, then the other is required.
	10	P2223	If either LIN22 or LIN23 is present, then the other is required.
	11	P2425	If either LIN24 or LIN25 is present, then the other is required.
	12	P2627	If either LIN26 or LIN27 is present, then the other is required.
	13	P2829	If either LIN28 or LIN29 is present, then the other is required.
	14	P3031	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1	LIN01 is the line item identification	
Comments:	A	LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.	

Notes:

ITEM MAINTENANCE:
 LIN02 will be used to identify the ordering unit or the buyer's item number. This segment may be used in conjunction with the G39 segment to identify the vendor selling unit, i.e., U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC14), and the G55 segment to identify the consumer selling unit, i.e., item U.P.C.
 The codes listed for LIN02 apply to every occurrence of Data Element 235 in the LIN segment.

ECCnet:
 ITEM MAINTENANCE: This segment may be used in conjunction with EITHER the G39 segment to identify the vendor selling unit, i.e., U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC-14), OR the G55 segment to identify the consumer selling unit, i.e., item U.P.C.
 An LIN loop will only have either a G55 or a G39 segment within it, but never both, since G55 relates to consumer unit or prepack, and G39 relates to all other packaging levels (i.e. – pallet, module, and case). Valid code values for G55 and G39 are:
 G55: EO, EN, UP
 G39: EO, EN, UP, and all others

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set A sequential number assigned to each line item within the transaction starting with one.	O AN 1/20
>>	LIN02	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CM National Retail Federation Color Code See External Code Source 88 in Section III for reference document.	M ID 2/2

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ECCnet:
GDD: colorCodeValue

EN	European Article Number (EAN) (2-5-5-1) EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN)
EO	EAN-8 Code (Added in VICS 4040) EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN)
FV	Drug Identification Number (Added in VICS 4040)
MN	Model Number

ECCnet:
A 1-20 alphanumeric identifier.
GDD: modelNumber

U2	U.P.C. Shipping Container Code (1-2-5-5) A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code
----	--

See External Code Source 41 in Section III for reference document.

ECCnet:
U8 U.P.C.-8 Consumer Unit Code (Change request pending EC 1-101)

UA	U.P.C./EAN Case Code (2-5-5)
----	------------------------------

See External Code Source 41 in Section III for reference document.

UD	U.P.C./EAN Consumer Package Code (2-5-5)
----	--

See External Code Source 41 in Section III for reference document.

UE	U.P.C./EAN Module Code (2-5-5)
----	--------------------------------

See External Code Source 41 in Section III for reference document.

UG	Drug U.P.C. Consumer Package Code (1-4-6-1) A specific instance of the Universal Product Code that uses a 4-digit manufacturer identifier code and a 6-digit product code
----	--

See External Code Source 41 in Section III for reference document.

UH	Drug U.P.C. Shipping Container Code (1-2-4-6-1) A specific instance of the U.P.C. Shipping Container Code that uses a 4-digit manufacturer identifier code and a 6-digit product code
----	--

See External Code Source 41 in Section III for reference document.

UI	U.P.C. Consumer Package Code (1-5-5)
----	--------------------------------------

See External Code Source 41 in Section III for reference document.

UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) Data Structure for the 14-digit EAN.UCC Global Trade Item Number (GTIN)
----	---

ECCnet:
A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

UN	U.P.C. Case Code Number (1-1-5-5)
----	-----------------------------------

See External Code Source 41 in Section III for reference document.

UP	U.P.C. Consumer Package Code (1-5-5-1) Data structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)
----	--

See External Code Source 41 in Section III for reference document.

VE	Vendor Color
----	--------------

ECCnet:
GDD: colorCodeValue

VN	Vendor's (Seller's) Item Number VENDOR PRODUCT IDENTIFIER as defined by the Trade Item Identification and Communication Guidelines
----	---

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ECCnet:

The Trade Item Identification and Communication Guidelines define the length of the related field as AN 1/20.

In ECCnet this field populates the Item/Style number and influences the structure of your Catalogue. Refer to the ECCnet Data Loading Guidelines for the rules on Item/Style usage.

VN may represent "Vendor Item Number", "Vendor SKU", or "Vendor Style ID", depending upon the vendor and nature of its business.

VN is predominantly used within the Apparel and General Merchandise industry. ECCnet recommends that if you have the need to transmit a vendor item number please use qualifier MN. The key to a properly structured catalogue is the Global Trade Item Number (GTIN).

VS Vendor's Supplemental Item Number

ECCnet:

This optional code will be used to cross reference the seller's internal trade item number to the GTIN in a one to one relationship.

GDD: alternateTradeItemIdentification

>>	LIN03	234	Product/Service ID	M	AN 1/48	Identifying number for a product or service
	LIN04	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
	LIN05	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
	LIN06	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
	LIN07	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN08	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN09	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN10	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN11	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN12	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN13	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN14	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN15	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN16	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN17	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service

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N/U	LIN18	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN19	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN20	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN21	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN22	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN23	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN24	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN25	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN26	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN27	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN28	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN29	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service
N/U	LIN30	235	Product/Service ID Qualifier	C	ID 2/2	Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	LIN31	234	Product/Service ID	C	AN 1/48	Identifying number for a product or service

ECCnet Notes:

- 1 One of U8, UP, EN, UA, UK, UE, or EO is required in every LIN segment, except for discontinue / reinstatement / delete at the Product ID (Item#/Style# on web screens) level which is a community-level option. In the case of Product ID level processing, only the VN qualifier is required. This is the primary identifier for the pallet, module, case, prepack/assortment, or consumer unit item.
- 2 Check-digit edits will be performed on types UP, EN, EO, and UK only. U8 and EO must be 8 digits exactly. The remaining codes will only be checked that they contain the right number of digits for the GTIN number types.
- 3 Outbound from ECCnet: If Product ID = GTIN number, the 'VN' qualifier and value will not be generated in the LIN.
- 4 UPC-8 (zero-suppressed UPC-12 codes) are accepted inbound from vendors. When a UPC-8 is added to a vendor's catalogue, the system will automatically calculate the associated UPC-12 code and store it as the "UPC-12 Alias" field for this UPC-8 code, per standard conversion algorithms. Outbound to Retailers, both the UPC-8 and UPC-12 will be transmitted when UPC-8 is the primary identifier for the item.
- 5 ECCnet automatically generates the 14-digit GTIN corresponding to the EANUCC CODE and EANUCC CODE TYPE provided in the LIN segment. The GTIN is used for Global Data Synchronization purposes
- 6 Hardlines Industry requires modelNumber when the trade item identified in the LIN segment is a consumer unit.

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Segment Example:

The trade item is identified by a UPC-12 code (GTIN), an NRF color code, a supplier's internal item number, and a model number.

LIN*1*UP*012345678912*VS*itemnumber*CM*650*MN*modelnumber~

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Segment: **G53** Maintenance Type
Position: 015
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the specific type of item maintenance
Syntax Notes:
Semantic Notes:
Comments:

Notes: When BCT10 contains code 00, the segment is required to specify the action to be taken for the item identified in the associated LIN segment.

ECCnet:

When BCT10 is not equal to 00, this segment is ignored.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	G5301	875 Maintenance Type Code Code identifying the specific type of item maintenance 001 Change	M ID 3/3 The item being changed is identified in LIN02/LIN03. Changes to the contents of a module should be accomplished by deleting the old module and adding the new one.
			<p><u>ECCnet:</u> The U.P.C. being changed is identified in the LIN segment. INBOUND: Processed as incremental change (same as BCT10 = 04 processing). Generate full item detail outbound. This change transaction only updates the segments transmitted, it does not act as a replace.</p> <p>Changes to the components of a module should be accomplished by changing the SLN segments representing the module's components</p>
		002 Delete	<p>The item being deleted is identified in LIN02/LIN03. All data about the item is deleted. When deleting a U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC-14), LIN03 will identify the U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC-14) and the G55 segment may be used to identify the associated U.P.C. Consumer Package Code(s) that also is to be deleted. Do not send the G55 segment if the associated U.P.C. Consumer Package Code(s) is NOT to be deleted.</p>
		003 Add Full Item Detail	<p><u>ECCnet:</u> The item being deleted is identified in the LIN segment. All data about the GTIN number (whether pallet, module, case, prepack, or item) is deleted. The individual GTIN numbers representing components of the GTIN specified in the LIN segment are not automatically deleted, as they may be components of other modules.</p> <p>To delete one or more components GTIN's (i.e. – remove the component base GTIN entirely from the catalogue), you must transmit an additional LIN segment containing the item GTIN number, along with G53 code 002.</p>
		026 Correction	<p>The new item is identified in LIN02/LIN03.</p>

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ECCnet Notes:

1. **Outbound for Automatic Updates:**
The BCT10 and G5301 codes are the same as transmitted by the vendor to update their catalogue.
2. **Outbound for Response to EDI 832 or Online Request:**
Generates the BCT10=11 and does not generate G53 segment.
3. **Changes to Prices:**
Changes to price and non-price data must be transmitted on separate 832's. Price changes are communicated using "Price Sheet 832's" (BCT01=PS). See segment BCT notes and segment CTP notes. For further details.
4. **Moving a GTIN (Global Trade Item Number)**
When moving a GTIN from one selection code to another you must send a change transaction. The change transaction must contain all of the segments for that GTIN and the new selection code in the BCT segment.

Segment Example:

A new item is being added to the supplier's catalogue.

G53*003~

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Segment: **DTM** Date/Time Reference
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax:

1. **R020305** At least one of DTM02, DTM03 or DTM05 is required.
2. **C0403** If DTM04 is present, then DTM03 is required
3. **P0506** If either DTM05 or DTM06 is present, then the other is required.

Notes: This segment is used to override the corresponding date in the header area. This is only applicable to the item identified in the preceding LIN segment.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>> DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
	018	Available	U.P.C. CATALOG: AVAILABLE DATE – First available ship date. Implies nothing about current availability.
ECCnet:			
GDD: startAvailabilityDateTime			
	036	Expiration	DISCONTINUE DATE as defined by the Trade Item Identification and Communication Guidelines.
ECCnet:			
GDD: discontinuedDate			
	043	Publication	DATE OF CHANGE as defined by the Trade Item Identification and Communication Guidelines.
	092	Contract Effective	U.P.C. CATALOG: BOOKING DATE – The date the item is available for ordering. ITEM MAINTENANCE: First order date.
	152	Effective Date of Change	
ECCnet:			
GDD: effectiveDate			
	177	Cancellation	CANCELATION DATE as defined by the Trade Item Identification and Communication Guidelines.
ECCnet:			
Cancellation Date can only be transmitted in an 832 when BCT10=01 the 832 is being used to cancel trade item that were never actually manufactured.			
GDD: canceledDate			
	440	Release of Information (Change Request in Motion)	
ECCnet:			
GDD: publicationDate (Change Request in Motion) ECCnet will generate based on the date the vendor released the data to the retailer.			
	584	Reinstatement	REINSTATEMENT DATE as defined by the Trade Item Identification and Communication Guidelines.
ECCnet:			
If not specified, defaults to current date			
	604	Withdrawn	

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			ECCnet:	
			GDD: endAvailabilityDateTime	(Change Request in Motion)
>>	DTM02	373	Date	C DT 8/8
			Date expressed as CCYYMMDD	
N/U	DTM03	337	Time	C TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			NOT USED BY RETAIL INDUSTRY	
N/U	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow.	
			NOT USED BY RETAIL INDUSTRY	
N/U	DTM05	1250	Date Time Period Format Qualifier	C ID 2/3
			Code indicating the date format, time format, or date and time format	
			NOT USED BY RETAIL INDUSTRY	
N/U	DTM06	1251	Date Time Period	C AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	
			NOT USED BY RETAIL INDUSTRY	

ECCnet Notes:

- 1 Any dates provided in the Header Area DTM segment may be overridden by those provided in DTM segments in the Detail Area (LIN loop). Regardless of whether dates are provided in the Header or Detail Areas, they are all stored/displayed with each GTIN number.
- 2 When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.
- 3 Reinstatement Date can only be specified for items previously discontinued.
- 4 If sending Cancel date in DTM01, BCT10 must equal 01.
- 5 GDD attribute lastChangeDateTime is not transmitted in a DTM segment. It is system generated by ECCNET.

Segment Example:

The trade item is being discontinued on December 31, 2004.
DTM*036*20041231~

The trade item will be available for order on May 15, 2004 at 8am.
DTM*018*20040515*080000~

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Segment: **REF** Reference Identification
Position: 040
Loop: LIN
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 **R0203** At least one of REF02 or REF03 is required.
Semantic Notes: REF04 contains data relating to the value cited in REF02
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MS Manufacturer's Material Safety Data Sheet Number ECCnet: GDD: MaterialSafetyDataSheetNumber	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When REF01=MS, REF02 is required. REF02 will contain the Mfr's Material Safety Data Sheet Number.	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content This data element is used to specify the special clause and is used only when REF01 contains code H5.	C AN 1/80
REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier NOT USED BY THE RETAIL INDUSTRY	O COMPOSITE

ECCnet Notes:

1. Only one Manufacturer's Material Safety Data Sheet Number (MS) per GTIN.
2. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.

Segment Example:

The trade item's Material Safety Data Sheet Number is 737616-XYZ.

REF*MS*737616-XYZ~

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Segment: **CTB** Restrictions/Conditions
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:

- 1 **R020406** At least one of CTB02 CTB04 or CTB06 is required.
- 2 **P0304** If either CTB03 or CTB04 is present, then the other is required.
- 3 **P0506** If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	CTB01	688 Restrictions/Conditions Qualifier Code identifying the type of restriction/condition OR Ordering	M ID 2/2
>>	CTB02	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80
>>	CTB03	673 Quantity Qualifier Code specifying the type of quantity 57 Minimum Order Quantity U.P.C. CATALOG: MINIMUM QUANTITY - Manufacturer imposed minimum order for item.	C ID 2/2
ECCnet:			
GDD: orderQuantityMinimum			
70 Maximum Order Quantity			
ECCnet:			
GDD: orderQuantityMaximum			
AP Order Quantity Multiple			
Product must be ordered in multiples of the quantity in CTB04			
ECCnet:			
GDD: orderQuantityMultiple			
>>	CTB04	380 Quantity Numeric value of quantity	C R 1/15
ECCnet:			
The value if specified must be an integer value greater than zero.			
	CTB05	522 Amount Qualifier Code Code to qualify amount	C ID 1/3
NOT USED BY THE RETAIL INDUSTRY			
	CTB06	610 Amount Monetary amount	C N2 1/15
NOT USED BY THE RETAIL INDUSTRY			

ECCnet Notes:

1. CTB01 is required and the only valid code value is "OR".
2. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.
3. Maximum Order Quantity must be >= Minimum Order Quantity.

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Segment Example:

The minimum order quantity for a trade item is 500.

CTB*OR**57*500~

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Segment: **PID** Product/Item Description

Position: 070

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 200

Purpose: To describe a product or process in coded or free-form format

Syntax:

1. **C0403** If PID04 is present, the PID03 is required.
2. **R0405** At least one of PID04 or PID05 is required.
3. **C0703** If PID07 is present, then PID03 is required.
4. **C0804** If PID08 is present, then PID04 is required.
5. **C0905** If PID09 is present, then PID05 is required.

Semantic:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

- A If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- B Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- C PID07 specifies the individual code list of the agency specified in PID03.

Notes: The PID segment is used to provide product/item descriptions in text and or coded formats. The codes in PID04 are maintained by the VICS EDI SMC and are only printed in this guideline.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> PID01	349	Item Description Type Code indicating the format of a description	M ID 1/1
		F Free-form The description will be found in PID05.	
		S Structured (From Industry Code List) The description will be found in PID03 and PID04.	
		X Semi-Structured (Code and Text) The description will be found in PID03 and PID04, and PID05.	
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Codes 75 and 91 are used only from retailer to vendor for private label products.	O ID 2/3
		05 Category (Added in VICS 4040)	
		ECCnet: GDD: classificationCategoryCode additionalClassificationCategoryCode	
		08 Product PRODUCT DESCRIPTION as defined by Trade Item Identification and Communication Guidelines.	(Added in VICS 4030)
		ECCnet: GDD: descriptionShort tradeItemDescription	
		09 Sub-Product	
		ECCnet: GDD: subBrand	

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11	Society, Government, Customer Specifications – Used for Point-of-Sale Taxes Applicable by Province (Added in VICS 4060)
ECCnet:	
12	Type and/or Process – Used for Product Type Code (Change request pending – EC 1-58)
35	Color
ECCnet:	
GDD: This code will be used in the interim to identify “isPackagingMarkedAsReturnable” GDD: isPackagingMarkedAsReturnable	
40	Shade (Added in VICS 4050)
41	Tint (Added in VICS 4050)
61	End Use Application
Used only by the Canadian Pharmaceutical Retail Industry.	
67	Functional Performance
ECCnet:	
GDD: functionalName	
73	Vendor Color Description COLOR DESCRIPTION as defined by Trade Item Identification and Communication Guidelines
ECCnet:	
GDD: colorDescription	
77	Finish Description
ECCnet:	
GDD: tradeItemFinishDescription	
79	Put-up Description (Used for Weight Scale Description) (Added in VICS 4050)
ECCnet:	
84	Special Specification (Used for Legal to Advertise /Discount) (Change request pending – EC 1-83)
99	Precautionary Instructions (Used for Stackable Indicator) (Change request pending – EC 1-96)
AJ	Recyclable
ECCnet:	
GDD: isPackagingMarkedAsRecyclable	
BC	Behind-the-Counter Drug (Added in VICS 4050)
C2	Controlled Substance – Class 2 (Added in VICS 4050)
ECCnet:	
The ECCC RX committee determined C2 would be used to indicate the product is for Controlled Use	
C3	Controlled Substance – Class 3 (Narcotic) (Added in VICS 4050)
ECCnet:	
The ECCC RX committee determined C3 would be used to indicate the product is for Narcotic Use.	
C4	Controlled Substance – Class 4 (Added in VICS 4050)
ECCnet:	
The ECCC RX committee determined C4 would be used to indicate the product is for Targeted Use.	
C5	Controlled Substance – Class 5 (Added in VICS 4050)
C6	Controlled Substance – Class 3 (Non-narcotic) (Added in VICS 4050)
ECCnet:	
CM	Compliance Method – Used for Environmental Levy Applicable by Province (Change request pending EC 1-91)
DAC	Damage Code
ECCnet:	
GDD: returnGoodsPolicy	

ECCnet Global Product Registry 832 Mapping Guide

DF	Dosage Form	(Added in VICS 4030)
	Used only by the Canadian Pharmaceutical Retail Industry	
FLV	Flavor	(Added in VICS 4020)
GEN	General Description	
ECCnet:		
GDD: additionalTradeItemIdentification		
HZ	Hazardous Material	(Added in VICS 4050)
ECCnet:		
Use to express "WHMIS other".		
HZR	Hazardous Rating System	(Added in VICS 4050)
ECCnet:		
Use to express WHMIS Classification		
ING	Ingredients	(Added in VICS 4050)
ECCnet:		
RX1, RX2 – As a temporary solution the English Ingredients field is used to carry a free-format description of the product strength. In a later subset this information will be moved to a structured series of fields.		
ECCnet:		
MSG	Market Segment (Used for IFDA Classification)	(Change request pending – EC 1-92)
OPI	Optional Procedure Indicator (Used for Scan Certificate Indicator)	(Change request pending – EC 1-77)
OT	Over-the-Counter Drug	(Added in VICS 4050)
ECCnet:		
Use of Over-the-Counter implies that the item is regulated by government legislation.		
PFK	Physical Form Aerosol	(Added in VICS 4050)
RA	Route of Administration	(Added in VICS 4030)
	Used only by the Canadian Pharmaceutical Retail Industry	
RX	Prescription Drug	(Added in VICS 4050)
SYN	Synonym	(Added in VICS 4050)
ECCnet:		
Use to indicate the generic name of the drug.		
TC	Therapeutic Class	(Added in VICS 4050)
TRN	Trade Name	
ECCnet:		
GDD: brandName		
UR	Warranty URL	
ECCnet:		
GDD: urlForWarranty		
VR	Variant	
ECCnet:		
GDD: variant		
WD	Warranty Description	
ECCnet:		
GDD: warrantyDescription		

PID03

559

Agency Qualifier Code	C ID 2/2
Code identifying the agency assigning the code values	
VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI.
See External Code Source 70 in Section III for reference document.	
ECCnet:	
GDD: additionalClassificationAgencyName	
UD	Universal Descriptor Exchange (UDEX) (Change request in Motion)
See External Code Source 936 in Section III for reference document.	
ECCnet:	
GDD: additionalClassificationAgencyName	
URL: www.udex.com/site2/us/default/documents/UDEX_US_ClassificationSchema.xls	
ZZ	Mutually Defined

ECCnet Global Product Registry 832 Mapping Guide

PID04	751	<p>ECCnet: See notes below for allowable usage.</p>																																	
		<p>Product Description Code</p> <p>A code from an industry code list, which provides specific data about a product characteristic.</p>	<p>C AN 1/12</p>																																
		<p>ECCnet: For usage of the following codes, please refer to the tables on the following pages. Please note "Hardlines Implementation Guidelines table, which is specific to the hardlines attributes. Due to the number of codes held in the PID04, codes specific to the ECCnet implementation are notes as such.</p>																																	
		<p>ECCnet:</p> <table border="0"> <tr> <td>Hazard Rating Classification</td> <td>A</td> <td>WHMIS Class A</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Dosage Form</td> <td>AERO</td> <td>Aerosol</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>AERP</td> <td>Aerosol, powder</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>AERS</td> <td>Aerosol, solution</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Hazard Rating Classification</td> <td>B</td> <td>WHMIS Class B</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Dosage Form</td> <td>BAR</td> <td>Bar</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>BEAD</td> <td>Beads</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Route of Administration</td> <td>BU</td> <td>Buccal</td> <td>(Change request pending EC 1-70)</td> </tr> </table>		Hazard Rating Classification	A	WHMIS Class A	(Change request pending EC 1-82)	Dosage Form	AERO	Aerosol	(Change request pending EC 1-70)	Dosage Form	AERP	Aerosol, powder	(Change request pending EC 1-70)	Dosage Form	AERS	Aerosol, solution	(Change request pending EC 1-70)	Hazard Rating Classification	B	WHMIS Class B	(Change request pending EC 1-82)	Dosage Form	BAR	Bar	(Change request pending EC 1-70)	Dosage Form	BEAD	Beads	(Change request pending EC 1-70)	Route of Administration	BU	Buccal	(Change request pending EC 1-70)
Hazard Rating Classification	A	WHMIS Class A	(Change request pending EC 1-82)																																
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Hazard Rating Classification	B	WHMIS Class B	(Change request pending EC 1-82)																																
Dosage Form	BAR	Bar	(Change request pending EC 1-70)																																
Dosage Form	BEAD	Beads	(Change request pending EC 1-70)																																
Route of Administration	BU	Buccal	(Change request pending EC 1-70)																																
		<p>ECCnet: As an interim solution, BU is used for the Hardlines attribute "isTradeItemABaseUnit". Please refer to the Hardlines table. GDD: isTradeItemABaseUnit</p>																																	
		<table border="0"> <tr> <td>Hazard Rating Classification</td> <td>C</td> <td>WHMIS Class C</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Product Type Code</td> <td>CA</td> <td>Case – shipping unit that is smaller than a full pallet</td> <td>(Change request pending EC 1-58)</td> </tr> </table>	Hazard Rating Classification	C	WHMIS Class C	(Change request pending EC 1-82)	Product Type Code	CA	Case – shipping unit that is smaller than a full pallet	(Change request pending EC 1-58)																									
Hazard Rating Classification	C	WHMIS Class C	(Change request pending EC 1-82)																																
Product Type Code	CA	Case – shipping unit that is smaller than a full pallet	(Change request pending EC 1-58)																																
		<p>ECCnet: GDD: tradeItemUnitDescriptor</p>																																	
		<table border="0"> <tr> <td>Dosage Form</td> <td>CAPS</td> <td>Capsule, conventional</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>CHEW</td> <td>Tablet, chewable</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Route of Administration</td> <td>CO</td> <td>Combination (of other Route of Administration values).</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>CONC</td> <td>Concentrate</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>CPCR</td> <td>Capsule, controlled release</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>CREA</td> <td>Cream</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>CRYS</td> <td>Crystals</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td></td> <td>CU</td> <td>Consumer Unit</td> <td>(Added in VICS 5010)</td> </tr> </table>	Dosage Form	CAPS	Capsule, conventional	(Change request pending EC 1-70)	Dosage Form	CHEW	Tablet, chewable	(Change request pending EC 1-70)	Route of Administration	CO	Combination (of other Route of Administration values).	(Change request pending EC 1-70)	Dosage Form	CONC	Concentrate	(Change request pending EC 1-70)	Dosage Form	CPCR	Capsule, controlled release	(Change request pending EC 1-70)	Dosage Form	CREA	Cream	(Change request pending EC 1-70)	Dosage Form	CRYS	Crystals	(Change request pending EC 1-70)		CU	Consumer Unit	(Added in VICS 5010)	
Dosage Form	CAPS	Capsule, conventional	(Change request pending EC 1-70)																																
Dosage Form	CHEW	Tablet, chewable	(Change request pending EC 1-70)																																
Route of Administration	CO	Combination (of other Route of Administration values).	(Change request pending EC 1-70)																																
Dosage Form	CONC	Concentrate	(Change request pending EC 1-70)																																
Dosage Form	CPCR	Capsule, controlled release	(Change request pending EC 1-70)																																
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Dosage Form	CRYS	Crystals	(Change request pending EC 1-70)																																
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		<p>ECCnet: GDD: isTradeItemAConsumerUnit</p>																																	
		<table border="0"> <tr> <td>Hazard Rating Classification</td> <td>D1</td> <td>WHMIS Class D1</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Hazard Rating Classification</td> <td>D2</td> <td>WHMIS Class D2</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Hazard Rating Classification</td> <td>D3</td> <td>WHMIS Class D3</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Dosage Form</td> <td>DCHE</td> <td>Douche (not specified)</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>DCHS</td> <td>Douche, solution</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>DEVI</td> <td>Device (not specified)</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Dosage Form</td> <td>DPHR</td> <td>Diaphragm</td> <td>(Change request pending EC 1-70)</td> </tr> <tr> <td>Product Type Code</td> <td>DS</td> <td>Display – pre-assembled unit that does not contain cases, but one or more consumer selling units – Not a full pallet</td> <td>(Change request pending EC 1-58)</td> </tr> </table>	Hazard Rating Classification	D1	WHMIS Class D1	(Change request pending EC 1-82)	Hazard Rating Classification	D2	WHMIS Class D2	(Change request pending EC 1-82)	Hazard Rating Classification	D3	WHMIS Class D3	(Change request pending EC 1-82)	Dosage Form	DCHE	Douche (not specified)	(Change request pending EC 1-70)	Dosage Form	DCHS	Douche, solution	(Change request pending EC 1-70)	Dosage Form	DEVI	Device (not specified)	(Change request pending EC 1-70)	Dosage Form	DPHR	Diaphragm	(Change request pending EC 1-70)	Product Type Code	DS	Display – pre-assembled unit that does not contain cases, but one or more consumer selling units – Not a full pallet	(Change request pending EC 1-58)	
Hazard Rating Classification	D1	WHMIS Class D1	(Change request pending EC 1-82)																																
Hazard Rating Classification	D2	WHMIS Class D2	(Change request pending EC 1-82)																																
Hazard Rating Classification	D3	WHMIS Class D3	(Change request pending EC 1-82)																																
Dosage Form	DCHE	Douche (not specified)	(Change request pending EC 1-70)																																
Dosage Form	DCHS	Douche, solution	(Change request pending EC 1-70)																																
Dosage Form	DEVI	Device (not specified)	(Change request pending EC 1-70)																																
Dosage Form	DPHR	Diaphragm	(Change request pending EC 1-70)																																
Product Type Code	DS	Display – pre-assembled unit that does not contain cases, but one or more consumer selling units – Not a full pallet	(Change request pending EC 1-58)																																
		<p>ECCnet: GDD: tradeItemUnitDescriptor</p>																																	
		<table border="0"> <tr> <td></td> <td>DU</td> <td>Despatch Unit</td> <td>(Added in VICS 5010)</td> </tr> </table>		DU	Despatch Unit	(Added in VICS 5010)																													
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		<p>ECCnet: GDD: isTradeItemADespatchUnit</p>																																	
		<table border="0"> <tr> <td>Hazard Rating Classification</td> <td>E</td> <td>WHMIS Class E</td> <td>(Change request pending EC 1-82)</td> </tr> <tr> <td>Product Type Code</td> <td>EA</td> <td>Each – lowest consumer selling unit</td> <td>(Change request pending EC 1-58)</td> </tr> </table>	Hazard Rating Classification	E	WHMIS Class E	(Change request pending EC 1-82)	Product Type Code	EA	Each – lowest consumer selling unit	(Change request pending EC 1-58)																									
Hazard Rating Classification	E	WHMIS Class E	(Change request pending EC 1-82)																																
Product Type Code	EA	Each – lowest consumer selling unit	(Change request pending EC 1-58)																																

ECCnet Global Product Registry 832 Mapping Guide

ECCnet:			
GDD: tradeItemUnitDescriptor			
Extended Product Description	ED	Extended description	
		As defined by the Trade Item Identification and Communication Guidelines. This code must be used in conjunction with PID02 to define a type of description.	
Dosage Form	ELIX	Elixir	(Change request pending EC 1-70)
Dosage Form	EMUL	Emulsion	(Change request pending EC 1-70)
Dosage Form	ENEM	Enema	(Change request pending EC 1-70)
Route of Administration	EX	External	(Change request pending EC 1-70)
Dosage Form	EXTR	Fluid Extract	(Change request pending EC 1-70)

ECCnet:			
Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code.			
Environmental Levy	EVL	Environmental levy applicable at point-of-sale. (Added in VICS 4050)	
	AB	A two-part code.	
	BC	Part I is "EVL"	
	MB	Part II is the Province code	
	NB		
	NF		
	NT		
	NS		
	NU		
	ON		
	PE		
	QC		
	SK		
	YT		

Hazard Rating Classification	F	WHMIS Class F	(Change request pending EC 1-82)
Dosage Form	FOAM	Foam	(Change request pending EC 1-70)
Dosage Form	GAS	Gas	(Change request pending EC 1-70)
Dosage Form	GEL	Gel	(Change request pending EC 1-70)
Dosage Form	GRAN	Granules	(Change request pending EC 1-70)

ECCnet:			
Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code.			
Taxes	GST	Goods and Services Tax applicable at point-of-sale. (Added in VICS 4050)	
	AB	A two-part code.	
	BC	Part I is "GST"	
	MB	Part II is the Province code	
	NB		
	NF		
	NT		
	NS		
	NU		
	ON		
	PE		
	QC		
	SK		
	YT		

Dosage Form	GUM	GUM	(Change request pending EC 1-70)
Gift with Purchase	GW	Gift with Purchase	
		As defined by the Trade Item Identification and Communication Guidelines.	

ECCnet:
Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code.

ECCnet Global Product Registry 832 Mapping Guide

Taxes	HST	Harmonized Sales Tax applicable at point-of-sale. (Added in VICS 4050)
	AB	A two-part code.
	BC	Part I is "HST"
	MB	Part II is the Province code
	NB	
	NF	
	NT	
	NS	
	NU	
	ON	
	PE	
	QC	
	SK	
	YT	
Dosage Form	IJ	Injection (Change request pending EC 1-70)
Dosage Form	IM	Injection (intramuscular) (Change request pending EC 1-70)
Route Of Administration	IMPL	Implant (Change request pending EC 1-70)
Dosage Form	IN	Inhalation (Change request pending EC 1-70)
Route Of Administration	INHHA	Inhalation (not specified) (Change request pending EC 1-70)
Dosage Form	INJ	Injection (not specified) (Change request pending EC 1-70)
	IR	Irrigation (Change request pending EC 1-70)
Route Of Administration	IU	Intrauterine (Change request pending EC 1-70)
ECCnet:		
As an interim solution, IU is used for the Hardlines attribute "isTradeItemAnInvoiceUnit" Please refer to the Hardlines table. GDD: isTradeItemAnInvoiceUnit		
Dosage Form	IUD	Intrauterine Device (Change request pending EC 1-70)
Route Of Administration	IT	Injection (intravenous) (Change request pending EC 1-70)
Dosage Form	KIT	Kit (multiple components) (Change request pending EC 1-70)
Dosage Form	LIQD	Liquid (not specified) (Change request pending EC 1-70)
Dosage Form	LOTN	Lotion (Change request pending EC 1-70)
Dosage Form	LOZG	Lozenge (Change request pending EC 1-70)
Dosage Form	LQCR	Liquid, controlled release (Change request pending EC 1-70)
Dosage Form	MISC	Miscellaneous (not specified) (Change request pending EC 1-70)
Route of Administration	MP	U.P.C. multipack As defined by the Trade Item Identification and Communication Guidelines
Route of Administration	MT	Mouth/Throat (Change request pending EC 1-70)
Route of Administration	MX	Modular Pallet – special pre-built pallet with one or more items that is ready for display. (Change request pending EC 1-58)
ECCnet:		
GDD: tradeItemUnitDescriptor		
Route of Administration	NA	Nasal (Change request pending EC 1-70)
ECCnet:		
Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code:		

ECCnet Global Product Registry 832 Mapping Guide

Not Legally Advertisable	NA	Not legally advertisable. (Added in VICS 4040)
	AB	A two-part code.
	BC	Part I is "NA"
	MB	Part II is the Province code
	NB	
	NF	
	NT	
	NS	
	NU	
	ON	
	PE	
	QC	
	SK	
	YT	
Dosage Form	NEBU	Nebulization solution (Change request pending EC 1-70)
ECCnet: Canadian industry requirements regarding restrictions or government legislation may apply and are represented using the following multi-part code:		
Not Legally Discountable	ND	Not legally discountable. (Added in VICS 4040)
	AB	A two-part code.
	BC	Part I is "ND"
	MB	Part II is the Province code
	NB	
	NF	
	NT	
	NS	
	NU	
	ON	
	PE	
	QC	
	SK	
	YT	
Dosage Form	OCSY	Ocular System (Change request pending EC 1-70)
Dosage Form	OIL	Oil (Change request pending EC 1-70)
Dosage Form	OINT	Ointment (Change request pending EC 1-70)
Route of Administration	OP	Ophthalmic (Change request pending EC 1-70)
Route of Administration	OR	Oral (Change request pending EC 1-70)
Route of Administration	OT	Optic (Change request pending EC 1-70)
	OU	Orderable Unit (Added in VICS 5010)
ECCnet: GDD: isTradeItemAnOrderableUnit		
Dosage Form	PACK	Powder, packet (Change request pending EC 1-70)
Dosage Form	PADS	Pads (Change request pending EC 1-70)
Prepack	PC	Prepack subject to change U.P.C. CATALOG: PREPACK MAY VARY - The quantity of items may vary within the prepack.
Product Type Code	PK	Package – consumer unit that is less than a shipping case (i.e. inner pack). (Change request pending EC 1-58)
ECCnet: GDD: tradeItemUnitDescriptor		
Product Type Code	PL	Pallet – shipping unit that contains one item that is constructed to ti/hi specifications. (Change request pending EC 1-58)
ECCnet: GDD: tradeItemUnitDescriptor		
Prepack	PP	Product sold only as part of a Prepack (assortment). U.P.C. CATALOG: PREPACK INDICATOR – Indicates that an item is sold only as part of a prepack.
ECCnet: Canadian industry requirements regarding restrictions or government legislation may apply and are represented		

ECCnet Global Product Registry 832 Mapping Guide

using the following multi-part code.		
	ECCnet:	
Taxes	PST	PST applicable at point-of-sale. (Change request pending EC 1-87)
	AB	A two-part code.
	BC	Part I is "PST"
	MB	Part II is the Province code
	NB	
	NF	
	NT	
	NS	
	NU	
	ON	
	PE	
	QC	
	SK	
	YT	
	PU	U.P.C. As defined by the Trade Item Identification and Communication Guidelines
Purchase with Purchase	PW	Purchase with Purchase As defined by the Trade Item Identification and Communication Guidelines.
	RC	Recall (Added in VICS 5010)
	ECCnet:	
	GDD: isTradeItemRecalled	
Route of Administration	RE	Rectal (Change request pending EC 1-70)
Product Reorder	RN	Product cannot be reordered U.P.C. CATALOG: REORDER INDICATOR - Does not imply any information on current availability.
Product Reorder	RY	Product can be reordered U.P.C. CATALOG: REORDER INDICATOR - Does not imply any information on current availability.
Route of Administration	SC	Injection (subcutaneous) (Change request pending EC 1-70)
Scan Certificate Indicator	SCIN	The item does not have a valid third-party Bar code Scan Certificate (Change request pending EC 1-77)
Scan Certificate Indicator	SCIY	The item has a valid third-party Bar code Scan Certificate (Change request pending EC 1-77)
Route of Administration	SL	Sublingual (Change request pending EC 1-70)
Dosage Form	SMAN	Shampoo (Change request pending EC 1-70)
Seasonal	SN	Seasonal product currently not available
Dosage Form	SOLN	Solution (Change request pending EC 1-70)
Dosage Form	SOLR	Solution, when reconstituted (Change request pending EC 1-70)
	SP	U.P.C. Setpack As defined by the Trade Item Identification and Communication Guidelines
Stackable Pallets	STKN	The pallet cannot be stacked. (Change request pending EC 1-96)
Stackable Pallets	STKY	The pallet can be stacked. (Change request pending EC 1-96)
Dosage Form	STRP	Strip (Change request pending EC 1-70)
Dosage Form	SUBL	Tablet, sublingual (Change request pending EC 1-70)
Dosage Form	SUPP	Suppository (Change request pending EC 1-70)
Dosage Form	SUSP	Suspension (Change request pending EC 1-70)
Dosage Form	SUSR	Suspension, when reconstituted (Change request pending EC 1-70)
Seasonal	SY	Seasonal product currently available
Dosage Form	SYRP	Syrup (Change request pending EC 1-70)
Dosage Form	TABS	Tablet (Change request pending EC 1-70)
Dosage Form	TAMP	Tampon (Change request pending EC 1-70)

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Dosage Form	TAPE	Tape	(Change request pending EC 1-70)
Dosage Form	TBCR	Tablet, controlled release	(Change request pending EC 1-70)
Dosage Form	TBFC	Tablet, film coated	(Change request pending EC 1-70)
Dosage Form	TBFR	Tablet, film coated	(Change request pending EC 1-70)
Dosage Form	TBEC	Tablet, enteric coated	(Change request pending EC 1-70)
Dosage Form	TBEF	Tablet, effervescent	(Change request pending EC 1-70)
Dosage Form	TD	Transdermal	(Change request pending EC 1-70)
Dosage Form	TDSY	Transdermal system	(Change request pending EC 1-70)
Dosage Form	TEST	Diagnostic test (not specified)	(Change request pending EC 1-70)
Dosage Form	TINC	Tincture	(Change request pending EC 1-70)
Dosage Form	TROC	Troche	(Change request pending EC 1-70)
Dosage Form	UD	Unit Dose – for Pharmaceuticals – the dose unit.	(Change request pending EC 1-58)
Dosage Form	UR	Urethral	(Change request pending EC 1-70)
Dosage Form	VA	Vaginal	(Change request pending EC 1-70)
Dosage Form	VI	In Vitro	(Change request pending EC1-70)
Dosage Form	VU	Variable Unit	(Added in VICS 5010)

ECCnet:
GDD: isTradeItemAVariableUnit

Dosage Form	WAFR	Wafer	(Change request pending EC 1-70)
Dosage Form	WHIP	Whip	(Change request pending EC 1-70)
Dosage Form	XX	Other	(Change request pending EC 1-70)

PID05 352 Description C AN 1/80

A free-form description to clarify the related data elements and their content
U.P.C. CATALOG: Field lengths may vary. Refer to the Trade Item Identification and Communication Guidelines for appropriate field lengths.

ECCnet:
See notes below for field lengths.

ECCnet:
As an interim solution this field will be used for "returnGoodsPolicy"

CFA CALL_FOR_AUTHORIZATION
DFC DESTROY_FOR_CREDIT
RFC RETURN_FOR_CREDIT
HFI HOLD_FOR_INSPECTION

GDD: returnGoodsPolicy

N/U PID06 752 Surface/Layer/Position Code O ID 2/2

Code indicating the product surface, layer or position that is being described

NOT USED BY RETAIL INDUSTRY

N/U PID07 822 Source Subqualifier O AN 1/15

A reference that indicates the table or text maintained by the Source Qualifier

NOT USED BY RETAIL INDUSTRY

N/U PID08 1073 Yes/No Condition or Response Code O ID 1/1

Code indicating a Yes or No condition or response

NOT USED BY RETAIL INDUSTRY

PID09 819 Language Code O ID 2/3

Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639).

See External Code Source 102 in Section III for reference document.

ECCnet:
EN English
FR French

A specific free-form description (for example: Short Product ID Description) may be specified in a maximum of 5 languages.
If a language code is not provided when PID05 free-form description is transmitted, the Community default language code will be stored and transmitted with the description.

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ECCnet Notes:

General Notes:

The following descriptions are stored at the Product ID (Item#/Style#) level in the catalogue:

Trade Name

Primary Product Description (shown as Short Product Description on web screens)

Extended Product Description

1. Semi-Structured Descriptions Implementation Guidelines

PID01=X, PID02=code from above list, PID03=VI, PID04=Industry specific code from list above.

The table below details how to express the various descriptions.

Description	PID01	PID02	PID03	PID04	PID05
Extended Product Description	X	08	VI	ED	AN 1/80 free-form Product description (UPC Communications Guidelines for Retail and Apparel current has this field defined as AN 1/40) (Added in VICS 4050)

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ECCnet Notes:

2. Structured Descriptions Implementation Guidelines

PID01=S, PID02=code from above list, PID03=VI, PID04=Industry specific code from list above.

The table below details how to express the various descriptions.

Description	PID01	PID02	PID03	PID04	Comments
ECCC Interim Classification Code	S	05	VI	Code	Six digit ECCC Interim Classification Code
Pack Type	S	Null	VI	MP	Multipack
Pack Type	S	Null	VI	PC	Prepack Subject to Change
Pack Type	S	Null	VI	PP	Prepack Indicator
Pack Type	S	Null	VI	PU	Prepack
Pack Type	S	Null	VI	SP	Setpack
Gift/Purchase with Purchase	S	Null	VI	GW PW	Gift with Purchase or Purchase with Purchase
Product Reorder	S	Null	VI	RN RY	Product can be ordered – Yes / No
Seasonal Product Availability	S	Null	VI	SN SY	Seasonal product is available – Yes / No
Point-of-Sale Taxes Applicable	S	11	ZZ	GSTxx HSTxx PSTxx	xx is the two-character province/territory code.
Product Type Code	S	12	VI	EA PK CA DS PL MX UD	Each – lowest consumer selling unit Package – consumer unit that is less than a shipping case (i.e. inner pack) Case – shipping unit that is smaller than a pallet. Display – pre-assembled unit that does not contain cases, but one or more consumer selling units. Pallet – shipping unit that contains one item that is constructed to TI/HI specifications. Modular Pallet – special pre-built pallet with one or more items that is ready for display. Unit Dose – for Pharmaceuticals – the dose unit.
Not Legally Advertisable	S	84	VI	NAxx	xx is the two-character province/territory code.
Not Legally Discountable	S	84	VI	NDxx	xx is the two-character province/territory code.
Stackable Pallets	S	99	VI	STKN STKY	Pallets are not stackable. Pallets are stackable.
Behind-the-Counter Drug	S	BC	VI	xx	xx is the two-character province/territory code.
Environmental Levy Applicable by Province	S	CM	ZZ	EVLxx	xx is the two-character province/territory code.

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Dosage Form	S	DF	VI	AERO	Aerosol
				AERP	Aerosol, powder
				AERS	Aerosol, solution
				BAR	Bar
				BEAD	Beads
				CAPS	Capsule, conventional
				CHEW	Tablet, chewable
				CONC	Concentrate
				CPCR	Capsule, controlled release
				CREA	Cream
				CRYS	Crystals
				DCHE	Douche (not specified)
				DCHS	Douche, solution
				DEVI	Device (not specified)
				DPHR	Diaphragm
				ELIX	Elixir
				EMUL	Emulsion
				ENEM	Enema
				EXTR	Fluid Extract
				FOAM	Foam
				GAS	Gas
				GEL	Gel (jelly)
				GRAN	Granules
				GUM	Gum
				IMPL	Implant
				INHA	Inhalation (not specified)
				INJ	Injection (not specified)
				IUD	Intrauterine Device
				KIT	Kit (multiple components)
				LIQD	Liquid (not specified)
				LOTN	Lotion
				LOZG	Lozenge
				LQCR	Liquid, controlled release
				MISC	Miscellaneous (not specified)
				NEBU	Nebulization solution
				OCSY	Ocular System
				OIL	Oil
				OINT	Ointment
				PACK	Powder, packet
				PADS	Pads
				SMAN	Shampoo
				SOLN	Solution
				SOLR	Solution, when reconstituted
				STRP	Strip
				SUBL	Tablet, Sublingual
				SUPP	Suppository
				SUSP	Suspension
				SUSR	Suspension, when reconstituted
				SYRP	Syrup
				TABS	Tablet
				TAMP	Tamp
				TAPE	Tape
				TBCR	Tablet, controlled release
				TBFC	Tablet, film coated
				TBFR	Tablet, film coated, controlled release
				TBEC	Tablet, enteric coated

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				TBEF TDSY TEST TINC TROC WAFR WHIP	Tablet, effervescent Transdermal system Diagnostic test (not specified) Tincture Troche Wafer Whip
Hazard Rating System (WHMIS Classification)	S	HZR	VI	A B C D1 D2 D3 E F	Class A – Compressed Gas Class B – Flammable and Combustible Class C – Oxidizing Material Class D1 – Poisonous and Infectious Material – Material causing immediate and serious toxic effects Class D2 – Poisonous and Infectious Material – Material causing other toxic effects Class D3 – Poisonous and Infectious Material – Bio-Hazardous Infectious Material Class E – Corrosive Material Class F – Dangerously Reactive Material
IFDA Classification	S	MSG	ZZ	Code	Class & Category Code (formatted as 5+5 digit number)
Scan Certificate Indicator (see note)	S	OPI	ZZ	SCIN SCIY	No Valid Third Party Bar Code Scan Certificate Third Party Bar Code Scan Certificate
Over-the-Counter Drug	S	OT	VI	xx	xx is the two-character province/territory code. (Added in VICS 4050)
Route of Administration	S	RA	VI	BU EX IJ IM IT IN IR IU MT NA OP OR OT RE SC SL TD UR VA VI CO XX	Buccal External Injection (not specified) Injection (intramuscular) Injection (intravenous) Inhalation Irrigation Intrauterine Mouth/Throat Nasal Ophthalmic Oral Optic Rectal Injection (subcutaneous) Sublingual Transdermal Urethral Vaginal In Vitro Combination of the above Other
Prescription Drug	S	RX	VI	xx	xx is the two-character province/territory code.

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3. Free Form Descriptions Implementation Guidelines

PID01=F, PID02=code from above list, PID03=as below, PID04=Industry specific code from list above.

The table below details how to express the various descriptions.

Description	PID01	PID02	PID03	PID05
Primary Product Description	F	08		AN 1/30 free-form product description (added in VICS 4050) Data Communications Guidelines for Retail and Apparel currently has this field defines as AN 1/20 GDD: tradelItemDescription for Hardlines
Shade	F	40		AN 1/80 free-form Shade description.
Tint	F	41		AN 1/80 free-form Tint description.
End Use Application	F	61		AN 1/80 free-form description.
Color	F	73		AN 1/20 free-form Color description. (Change request pending – EC 1-89)
Weight Scale Description	F	79		AN 1/26 description. Up to 2 segments may be used to transmit a two-line description.
Controlled Substance Indicator – Class 2	F	C2		Enter an "X" to meet syntactical requirements of PID segment.
Controlled Substance Indicator – Class 3 (Narcotic)	F	C3		Enter an "X" to meet syntactical requirements of PID segment.
Controlled Substance Indicator – Class 4	F	C4		Enter an "X" to meet syntactical requirements of PID segment.
Controlled Substance Indicator – Class 5	F	C5		Enter an "X" to meet syntactical requirements of PID segment.
Controlled Substance Indicator – Class 3 (Non-narcotic)	F	C6		Enter an "X" to meet syntactical requirements of PID segment.
Flavor	F	FLV		AN 1/80 free-form flavor description.
Hazardous Material	F	HZ		AN 1/80 free-form WHMIS description used for situations not covered by the WHMIS Classification Codes
Ingredients	F	ING		Up to 50 segment occurrences each a 1/80 free-form field are concatenated together inbound (to ECCnet) to form a 1-4000 character field. Outbound (from ECCnet) the 1-4000 character field is "sliced" into 80 character fields generating as many segments as required. RX1 & RX2 use for strength.
Physical Form: Aerosol	F	PFK		Any character to met syntactical requirements of PID segment.
Generic	F	SYN		AN 1/80 free-form Generic Name
Therapeutic Class	F	TC		AN 1/80
Trade Name	F	TRN		AN 1/66 free-form Trade Name (Change request pending – EC 1-72 - to add this field to UPC Data Communications Guidelines for Retail and Apparel – PID05 defined as AN 1/80).

1. The ECCnet Image & Dimension service will provide the Scan Certificate Indicator provided it is not specified and the Private Release Date specified is at least 5 days in the future. This field is owned by the Electronic Commerce Council of Canada.
2. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.

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4. Hardlines Implementation Guidelines

The table below details how to express Hardlines attributes.

Description	PID01	PID02	PID03	PID04	PID05	PID09	Comments
Trade Name	F	TRN			Text	Language Code	Trade Name GDD: brandName
Additional Trade Item Description	F	GEN			Text	Language Code	Additional Trade Item Description GDD: additionalTradeItemDescription
Warranty Description	F	WD			Text	Language Code	GDD: warrantyDescription
Warranty URL	F	UR			Code		GDD: uriForWarranty
Variant	F	VR			Text	Language Code	GDD: variant
Recall	S	08	VI	RC			GDD: isTradeItemRecalled
Finish Description	F	77			Text	Language Code	GDD: tradeItemFinishDescription
SubBrand	F	09			Text	Language Code	GDD: subBrand
Return Goods	F	DAC			CFA, DFC, HFI, RFC		GDD: ReturnGoodsPolicy CFA = Call for Authorization DFC = Destroy for Credit HFI = Hold for Inspection RFC Return for Credit
Color Description	F	73			Text	Language Code	GDD: colorDescription
Functional Name	F	67			Text	Language Code	GDD: functionalName
Unit Description	S	12	VI	CA, DS, EA, MX, PK, PL			GDD: tradeItemUnitDescriptor CA = Case DS = Display Shipper EA = Each MX = Mixed Module PK = Pack PL = Pallet
Return	F	35			X (for syntax purpose only)		GDD: isPackagingMarkedAsReturnable
Recyclable	S	AJ	VI	X (for syntax purpose only)			GDD: isPackagingMarkedAsRecyclable
Variable Unit	S	12	VI	VU			GDD: isTradeItemAVariableUnit
Base Unit	S	12	VI	BU			GDD: isTradeItemABaseUnit
Orderable Unit	S	12	VI	OU			GDD: isTradeItemAOrderableUnit
Invoice Unit	S	12	VI	IU			GDD: isTradeItemAnInvoiceUnit
Despatch Unit	S	12	VI	DU			GDD: isTradeItemADespatchUnit
Consumer Unit	S	12	VI	CU			GDD: isTradeItemAConsumerUnit
Short Description	F	08			Text	Language Code	GDD: descriptionShort tradeItemDescription
UDEX Classification Code	S	05	UD	Code			You must always provide the code at the lowest level, the sub-category level. GDD: additionalClassificationCategoryCode

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Segment Examples:

additionalTradeItemDescription

PID*F*GEN***This is the best product ever made in the history of mankind. It works every ti****EN~
PID*F*GEN***every time just perfectly and never requires fixing or recharging at all. This ****EN~
PID*F*GEN***product is very excellent & recommendable to anyone who needs it****EN~

brandName

The brand name is "Best Cola".
PID*F*TRN***Best Cola****EN~

classificationCategoryCode, additionalClassificationCategoryCode

The UDEX Classification Code is "15.0274.2663".
PID*S*05*UD*15.0274.2663~

colorDescription

The color description is "Deep Ocean Blue".
PID*F*73***Deep Ocean Blue****EN~

descriptionShort, tradeItemDescription

The Short Description is "12oz can of Best Cola"
PID*F*08***12oz can of Best Cola****EN~

functionalName

The functional name is "Carbonated Soft Drink".
PID*F*67***Carbonated Soft Drink****EN~

isTradeItemABaseUnit

The trade item is a base unit.
PID*S*12*VI*BU~

isTradeItemAConsumerUnit

The trade item is a consumer unit.
PID*S*12*VI*CU~

isTradeItemADespatchUnit

The trade item is a despatch unit (shipping unit).
PID*S*12*VI*DU~

isTradeItemAnInvoiceUnit

The trade item is an invoice unit and may appear on an invoice.
PID*S*12*VI*IU~

isTradeItemAnOrderableUnit

The trade item is an orderable unit.
PID*S*12*VI*OU~

isTradeItemAVariableUnit

PID*S*12*VI*VU~

isPackagingMarkedAsRecyclable

The trade item packaging is recyclable.
PID*S*AJ*VI*X~

isPackagingMarkedAsReturnable

The trade item packaging is returnable.
PID*F*35***X~

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isTradeItemRecalled

The trade item has been recalled by the manufacturer or supplier.

PID*S*08*VI*RC~

returnGoodsPolicy

The return goods policy is "Destroy For Credit".

PID*F*DAC***DFC~

subBrand

The brand is "Best Cola" (see above). The sub brand is "Classic".

PID*F*09***Classic****EN~

tradeItemFinishDescription

The trade item is a hand-carve bench with a hand-stained mahogany finish.

PID*F*77***Hand-stained mahogany****EN~

tradeItemUnitDescriptor

A trade item must have one of these values assigned to it:

PID*S*12*VI*CA~	CASE
PID*S*12*VI*DS~	DISPLAY_SHIPPER
PID*S*12*VI*EA~	BASE_UNIT_OR_EACH
PID*S*12*VI*MX~	MIXED_MODULE
PID*S*12*VI*PK~	PACK_OR_INNER_PACK
PID*S*12*VI*PL~	PALLET

urlForWarranty

The website location where trade item warranty information is available is <http://www.bestcolawarranty.com>.

PID*F*UR***http://www.bestcolawarranty.com~

warrantyDescription

The text warranty description is "10-yr mfr warranty on parts and labor".

PID*F*WD***10-yr mfr warranty on parts and labor****EN~

variant

One of the trade item's additional characteristics is "Caffeine-free".

PID*F*VR***Caffeine-free****EN~

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Segment: **MEA** Measurements

Position: 080

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

- Syntax Notes:**
- 1 **R03050608** At least one of MEA03 MEA05 MEA06 or MEA08 is required.
 - 2 **C0504** If MEA05 is present, then MEA04 is required.
 - 3 **C0604** If MEA06 is present, then MEA04 is required.
 - 4 **L07030506** If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
 - 5 **E0803** Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: A When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: When MEA01 contains code BD, MEA03 will contain the value 1 to satisfy the syntax requirement and MEA04 will contain the invoicing unit of measure.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ECCnet: }}	MEA01	737 Measurement Reference ID Code	O ID 2/2
Code identifying the broad category to which a measurement applies			
BD Billed Dimensions			
Invoiced unit of measure			
ECCnet: GDD: sellingUnitOfMeasure			
CM Commercial			
ECCnet: Use to express Count Measurement GDD: orderingUnitofMeasure			
CT Counts			
ECCnet: GDD: piecesPerTradeItem			
PD Physical Dimensions			
ECCnet: Use with outOfBoxDepth, outOfBoxHeight, and outOfBoxWidth			
PK Package Dimensions			
ECCnet: Use with packagingMaterialCompositionQuantity			
PS Product Characteristic Specification			
ECCnet: GDD: nestingIncrement			
ECCnet: TD Splice Tape Dimensions – Used for FMI Dimensions (Change request pending – EC 1- 95)			
TE Temperature			
TI Time			
MEA02	738	Measurement Qualifier	O ID 1/3
Code identifying a specific product or process characteristic to which a measurement applies			

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ECCnet:
For usage of the following codes, please refer to the tables on the following pages. Please note Table X, which is specific to the hardlines attributes..

D6 Horizontal

ECCnet:
GDD: pegHorizontal

D8 Vertical

ECCnet:
GDD: pegVertical

DP Depth (Added in VICS 5010)

ECCnet:
GDD: outOfBoxDepth

COT Content
Serving weight or quantity

EPL Expected Product Life

ECCnet:
GDD: minimumTradeItemLifespanFromTimeofArrival

FP Flashpoint (Added in VICS 4050)
HOC Heat of Combustion (Added in VICS 4050)
HT Height (Added in VICS 5010)

ECCnet:
GDD: outOfBoxHeight

MX Maximum

ECCnet:
GDD: stackingFactor OR stackingWeightMaximum

NK Nesting Factor

ECCnet:
GDD: nestingIncrement

NH Number of Items per Package Label

ECCnet:
GDD: piecesPerTradeItem

NU Number per Unit

ECCnet:
GDD: orderingUnitofMeasure

ECCnet:
PRQ Bonus Size (Change request pending – EC 1-79)
GDD: packagingMaterialCompositionQuantity

SHA Shelf Life

SD Strength (Added in VICS 4050)

ECCnet:
The RX Committee determined that this field did not meet the business requirements. As a temporary workaround in RX1 and RX2, strength information should be transmitted in a free format in the Ingredients / English field.

TES Storage Temperature (Added in VICS 4050)

ECCnet:
GDD: storageHadlingTemperatureMinimum AND
storageHandlingTemperatureMaximum

WD Width (Added in VICS 5010)

MEA03 739

Measurement Value

C R 1/20

The value of the measurement

ECCnet:
GDD: minimumTradeItemLifespanFromTimeOfArrival OR
nestingIncrement OR
outOfBoxDepth OR
outOfBoxHeight OR
outOfBoxWidth OR
packagingMaterialCompositionQuantity OR

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pegHorizontal OR
 pegVertical OR
 piecesPerTradeItem OR
 stackingFactor

ECCnet:
 {}

MEA04 C001

Composite Unit of Measure

C

To identify a composite unit of measure

ECCnet:
 GDD: sellingUnitOfMeasure OR
 orderingUnitOfMeasure

>>

C00101 355

Unit or Basis for Measurement Code

M ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

ECCnet:
 See Table below for Hardlines.

1N	Count	
12	Packet	
15	Stick	
AF	Centigram	(Added in VICS 4020)
AM	Ampoule	
AR	Suppository	
AS	Assortment	
AV	Capsule	
AZ	British Thermal Units (BTUs) per Pound	(Added in VICS4050)
BF	Board Feet	
BG	Bag	
BO	Bottle	
BX	Box	
CA	Case	
CC	Cubic Centimeter	
CE	Centigrade, Celsius	
CM	Centimeter	(Added in VICS 4020)
CN	Can	(Added in VICS 4020)
C3	Centiliter	(Added in VICS 4020)
DA	Days	
DC	Disk (Disc)	
DG	Decigram	(Added in VICS 4020)
DL	Deciliter	(Added in VICS 4020)
DM	Decimeter	(Added in VICS 4020)
DZ	Dozen	
EA	Each	
F2	International Unit	
FG	Transdermal Patch	
FO	Fluid Ounce	
FT	Foot	
FZ	Fluid Ounce (Imperial)	
GA	Gallon	
GN	Gross Gallons	
GR	Gram	
IH	Inhaler	
IN	Inch	
KG	Kilogram	
KT	Kit	
LB	Pound	
LT	Liter	
ME	Milligram	
MJ	Minutes	(Added in VICS 4020)
ML	Milliliter	
MM	Millimeter	

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MO	Months
MR	Meter
OZ	Ounce – Av
P1	Percent
PC	Piece
PD	Pad
PH	Pack (Pak)
PL	Pallet/Unit Load
PR	Pair
PT	Pint
QB	Pages (Hardcopy)
RL	Roll
SH	Sheet
ST	Set
SZ	Syringe
TB	Tube
U2	Tablet
UN	Unit
VI	Vial
V2	Pouch
Y4	Tub
YD	Yard
YR	Years

N/U	C00102	1018	Exponent Power to which a unit is raised NOT USED BY THE RETAIL INDUSTRY	O	R 1/15
N/U	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	O	R 1/10
N/U	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	C00105	1018	Exponent Power to which a unit is raised NOT USED BY THE RETAIL INDUSTRY	O	R 1/15
N/U	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	O	R 1/10
N/U	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	C00108	1018	Exponent Power to which a unit is raised NOT USED BY THE RETAIL INDUSTRY	O	R 1/15
N/U	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	O	R 1/10
N/U	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	C00111	1018	Exponent Power to which a unit is raised NOT USED BY THE RETAIL INDUSTRY	O	R 1/15
N/U	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	O	R 1/10

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N/U	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	C00114	1018	Exponent Power to which a unit is raised NOT USED BY THE RETAIL INDUSTRY	O	R 1/15
N/U	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	O	R 1/10
MEA05	740	Range Minimum The value specifying the minimum of the measurement range (Added in VICS 4030)	C	R 1/20	
ECCnet: GDD: storageHandlingTemperatureMinimum					
MEA06	741	Range Maximum The value specifying the maximum of the measurement range (Added in VICS 4030)	C	R 1/20	
ECCnet: GDD: storageHandlingTemperatureMaximum AND stackingWeightMaximum:					
N/U	MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined NOT USED BY THE RETAIL INDUSTRY	C	ID 2/2
N/U	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described NOT USED BY THE RETAIL INDUSTRY	O	ID 2/2
N/U	MEA10	1373	Measurement Method or Device The method or device used to record the measurement NOT USED BY THE RETAIL INDUSTRY	O	ID 2/4

ECCnet Hardlines Table for MEA04.

Weight UOM Codes: stackingWeightMaximum	
GR	Gram
KG	Kilogram
LB	Pounds
MC	Microgram
ME	Milligram
MP	Metric Ton
OZ	Ounces
26	Actual Ton
Temperature UOM Codes: storageHandlingTemperatureMinimum storageHandlingTemperatureMaximum	
CE	Celsius
FA	Fahrenheit
Trade Item UOM Codes: sellingUnitOfMeasure orderingUnitOfMeasure piecesPerTradeItem packagingMaterialCompositionQuantity (must use EA).	
BD	Bundle
BG	Bag

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BX	Box
B8	Board
CA	Case
CF	Cubic Feet
CG	Card (items on a card)
CT	Carton
CW	Hundred Pounds
DS	Display
EA	Each
FT	Foot
HL	Hundred Feet (Linear)
KT	Kit
LB	Pound
LF	Linear Foot
MX	Mixed
OZ	Ounces
PC	Piece
PH	Pack
PK	Package
PL	Pallet/Unit Load
PN	Pounds Net
PR	Pair
RL	Roll
SF	Square Foot
ST	Set
TM	Thousand Feet (Board)
TY	Tray
UN	Unit
Linear measurement UOM Codes: nestingIncrement outOfBoxDepth outOfBoxHeight outOfBoxWidth pegHorizontal pegVertical	
CM	Centimeter
FT	Feet
HL	Hundred Feet
IN	Inches
MR	Meter
Time UOM Codes: minimumTradeItemLifespanFromTimeOfArrival	
DA	Days

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ECCnet Notes:

1. The following combinations of field values are valid:

MEA01 Code Value	MEA02 Code Value	MEA03 Code Value	MEA04 Code Value
BD = Billed Dimensions	Null	1 for syntax rules	Invoicing unit of measure. For "catchweight items" provide the min/max weight in MEA05 & MEA06.
PS = Product specifications	PRQ	Bonus Amount	As appropriate – normally same as Size
PS = Product specifications	COT	Percentage of Juice Content	P1 = Percent
TD = FMI Dimensions (see Note 2)	DP HT WD	Depth Height Width	IN = Inches
TE = Temperature	FP	Flashpoint temperature	CE = Centigrade
TE = Temperature	HOC	Heat of Combustion	AZ = BTU's
TE = Temperature	TES	Storage temperature 0 = Refrigerated -18 = Frozen	CE = Centigrade
TI = Time	EPL	Expected Product Life	DA = Days
PS = Product specification	SD	Strength	As appropriate
TI = Time	SHA	Shelf Life	DA = Days

2. FMI dimensions will in future be provided by ECCnet Image & Dimension Service, provided the FMI dimensions are not specified AND the item has a Private Release Date at least five days in the future. These fields are owned by the Electronic Commerce Council of Canada.
3. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.

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Hardlines Implementation Guidelines:

MEA01 Code Value	MEA02 Code Value	MEA03 Code Value	MEA04 Code Value	MEA05	MEA06	Comment
PS	MX	Stacking Factor	Stacking Weight Maximum UOM		Stacking weight maximum	GDD: stackingFactor, stackingWeightMaximum
	D6	Horizontal peg	UOM Code			GDD: pegHorizontal
	D8	Vertical peg	UOM Code			GDD: pegVertical
TI = Time	EPL	# of Days	DA = Days			GDD: minimumTradeItemLifespanFromTimeofArrival
TE = Temperature	TES		UOM Code	Minimum storage temperature	Maximum storage temperature	GDD: storageHandlingTemperatureMinimum, storageHandlingTemperatureMaximum
PK	PRQ	Packaging composition quantity	UOM Code			GDD: packagingMaterialCompositionQuantity
CT	NH	Number of pieces in trade item	UOM Code			GDD: piecesPerTradeItem
PS = Product specifications	NK	Nesting Increment	UOM Code			GDD: nestingIncrement
BD		1 (for syntax purpose only)	UOM Code			GDD: sellingUnitOfMeasure
PD	DP	Out of box depth	UOM Code			GDD: outOfBoxDepth
PD	HT	Out of box height	UOM Code			GDD: outOfBoxHeight
PD	WD	Out of box width	UOM Code			GDD: outOfBoxWidth
CM	NU	1 (for syntax purpose only)	UOM Code			GDD: orderingUnitOfMeasure

ECCnet Notes:

- 1 When nestingIncrement is provided, then stackingFactor is also required in a separate MEA segment.
- 2 packagingMaterialCompositionQuantity is required when packagingMaterialCode is present. If not provided, it defaults to '1' with UOM 'EA'.
- 3 When any of the 3 outOfBox attributes (Depth, Height, Width) are present, the other 2 attributes are required. Unit of measure codes must match for all 3 outOfBox attributes.
- 4 When either orderingUnitOfMeasure or sellingUnitOfMeasure is present, then the other is required.

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Segment Examples:

minimumTradeItemLifespanFromTimeOfArrival

The minimum shelf life of the product is 180 days.

MEA*TI*EPL*180*DA~

nestingIncrement

The incremental height added as a result of stacking trade items is 8.75 inches.

MEA*PS*NK*8.75*IN~

OutOfBoxDepth

The actual trade item depth without packaging is 17.3 centimeters.

MEA*PD*DP*17.3*CM~

outOfBoxHeight

The actual trade item height without packaging is 28.3 centimeters.

MEA*PD*HT*28.3*CM~

outOfBoxWidth

The actual trade item width without packaging is 84.2 centimeters.

MEA*PD*WD*84.2*CM~

packagingMaterialCompositionQuantity

The trade item has 2 packaging layers—a brown paper wrapping covered with a sealed plastic film.

MEA*PK*PRQ*2*EA~

PegHorizontal

The peg hole in the trade item's plastic outer wrapping is 2 inches from the horizontal edge of the wrapping.

MEA**D6*2*IN~

pegVertical

The peg hole in the trade item's plastic outer wrapping is 4 inches from the vertical edge of the wrapping.

MEA**D8*4*IN~

piecesPerTradeItem

The trade item, a trash can and matching lid, contains 2 pieces.

MEA*CT*NH*2*EA~

stackingFactor and stackingWeightMaximum

A maximum of 8 heavy rubber garbage cans may be stacked upon each other.

A maximum of 5 pounds may be stacked on top of a rubber garbage can turned upside down.

MEA*PS*MX*8*LB**5~

storageHandlingTemperatureMinimum and storageHandlingTemperatureMaximum

The minimum and maximum storage handling temperatures for phalaenopsis orchids is 32 and 85 degrees Fahrenheit.

MEA*TE*TES**FA*32*85~

sellingUnitOfMeasure

Driveway gravel is sold by the pound.

MEA*BD**1*LB~

orderingUnitOfMeasure

Driveway gravel is also sold by the cubic foot.

MEA*CM*NU*1*CF~

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Segment: **PKG** Marking, Packaging, Loading
Position: 090
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

- 1 **R040506** At least one of PKG04 PKG05 or PKG06 is required.
- 2 **C0403** If PKG04 is present, then PKG03 is required.
- 3 **C0501** If PKG05 is present, then PKG01 is required.

Semantic Notes:

- 1 PKG04 should be used for industry-specific packaging description codes.

Comments:

- A Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
- B If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
- C Use PKG03 to indicate the organization that publishes the code list being referred to.
- D Special marking or tagging data can be given in PKG05 (description).

Notes:

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PKG01	349 Item Description Type Code indicating the format of a description F Free-form (Added in VICS 4050) S Structured (From Industry Code List) X Semi-Structured (Code and Text)	C ID 1/1
	PKG02	753 Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described 34 Product Marking (Added in VICS 4020) 35 Type of Packaging (Added in VICS 4020) 36 Package Specifications 45 Unloading Equipment PK Packing PN Promotional Marking (Added in VICS 4020)	O ID 1/5
	PKG03	559 Agency Qualifier Code Code identifying the agency assigning the code values VI Voluntary Inter-Industry Commerce Standard (VICS) EDI	C ID 2/2
>>	PKG04	754 Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product Part 1: Container or Equipment Type (Position 1) E Equipment M Marking (Added in VICS 4030) Part 2: Container or Packing Configuration (Positions 2-3) CL Clamp ES Electronic Article Security (EAS) (Added in VICS 4030) EX Expiry Date (Added in VICS 4030) FL Forklift LT Lot Number (Added in VICS 4030)	C AN 1/7
	PKG05	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80

ECCnet:

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Used only by the alcohol beverage Industry and Canada (Added in VICS 4050)
 In the interim this will be used to identify "securityTagLocation" and "securityTagType"
 When either securityTagLocation or securityTagType is present, then the other is also required.

GDD: securityTagLocation

- C = Concealed inside trade item
- I = Integrated inside trade item
- O = On outside of trade item

GDD: securityTagType

- A = ACOUSTO_MAGNETIC_EAS_TAG
- E = ELECTRO_MAGNETIC_EAS_TAG
- I = INK_OR_DYE_EAS_TAG
- M = MICROWAVE_EAS_TAG
- R = RADIO_FREQUENCY_EAS_TAG

PKG06 400

Unit Load Option Code

C ID 2/2

Code identifying loading or unloading a shipment

NOT USED BY THE RETAIL INDUSTRY

ECCnet Notes:

- Structured Descriptions:** PKG01=S, PKG02=code from list below, PKG03=VI, PKG04=industry specific code values from list below.

PKG02 Code Value	PKG03 Code Value	PKG04 Code Value
36 = Product Marking	VI = VICS	MES = Marking – Electronic Article Security (EAS)
36 = Package Specifications	VI = VICS	MLT = Marking – Lot Number
36 = Package Specifications	VI = VICS	MEX = Marking – Expiry Date
45 = Unloading Equipment	VI = VICS	ECL = Equipment - Clamp
45 = Unloading Equipment	VI = VICS	EFL = Equipment – Forklift

- Free-Form Descriptions:** PKG01=F, PKG02=code from list below, PKG03=null, PKG04=null, PKG05=free form description

PKG02 Code Value	PKG05 Description
36 = Product Marking	1-80 alphanumeric characters (i.e. 50 cent off coupon)
35 = Type of Packaging	See ECCnet System Information Guide – Data Content & Structures Appendix 1C – Special Packaging Codes. (Change request pending – EC 1-102)
PN = Promotional Marking	1-80 alphanumeric characters (i.e. Christmas, Father's Day, Halloween, etc.)
PK = Packing	Specify "LOOSE" if the item is not palletized (i.e. Plastic Lawn Chairs).

- When BCT01= PS (Price Sheet) this segment will be ignored inbound to the catalogue

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Implementation Guidelines

The following combinations of field values are valid for multi-level pull-down lists and for batch EDI transmissions.

GDD Attribute	PKG01	PKG02	PKG03	PKG04	PKG05	Comments
BarCodeType	S	34	VI	M23, M24, M26, M34, M35		M23 = EAN_UCC_8_Symbol M24 = EAN_UCC_13_Symbol M26 = ITF_14_Symbol M34 = UPC_A_Symbol M35 = UPC_E_Symbol
SecurityTagLocation	X	34	VI	MES	C I O	C = Concealed inside trade item I = Integrated inside trade item O = On outside of trade item
SecurityTagType	X	34	VI	LES	A E I M R	A = AOUSTO_MAGNETIC_EAS_TAG E = ELECTRO_MAGNETIC_EAS_TAG I = INK_OR_DYE_EAS_TAG M = MICROWAVE_EAS_TAG R = RADIO_FREQUENCY_EAS_TAG

Segment Examples:

barCodeType

The trade item packaging is marked with both a UPC-A 12-digit symbol and an EAN-13 symbol.

PKG*S*34*VI*M34~

PKG*S*34*VI*M24~

securityTagLocation

The electronic article surveillance tag is located on the outside of the DVD hard plastic package.

PKG*X*34*VI*MES*O~

securityTagType

The electronic article surveillance tag is an electro-magnetic type.

PKG*X*34*VI*LES*E~

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Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)

Position: 110

Loop: LIN

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes: 1 **R010204** At least one of TD401 TD402 or TD404 is required.
2 **C0203** If TD402 is present, then TD403 is required.

Semantic Notes: 1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

Comments:

Notes: When specifying International Fire Code Institute class code designations, TD402 and TD403 will not be used, and TD404 will contain the text class code designation. Contact the International Fire Code Institute for a list of class code designations:
International Fire Code Institute 5360 Workman Mill Road Whittier, CA 90601-2298

This segment may be used also to specify the Department of Transportation code and description for hazardous materials.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TD401	152	Special Handling Code Code specifying special transportation handling instructions	C ID 2/3
		DA Dangerous Goods (Added in VICS 4050)	
		DNF Do Not Freeze (Added in VICS 4050)	
		EL Environmental Control Limits (Added in VICS 4050)	
		FL Flammable (Added in VICS 4050)	
		FR Fragile Handle with Care (Added in VICS 4050)	
		HM Endorsed as Hazardous Materials (Added in VICS 4050)	
		IC Ice (Added in VICS 4050)	
		MRF Refrigerated (Added in VICS 4050)	
		ECCnet:	
		NH Non-Hazardous Material (Change request pending EC 1-18)	
		OR Other Regulated Material (Change request pending EC 1-18)	
		OTC Temperature Control (Added in VICS 4050)	
		PG Poisonous Gas (Added in VICS 4050)	
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209)	C ID 1/1
		B Uniform Fire Code (UFC)	
		See External Code Source 707 in Section III for reference document	
		D Hazardous Materials ID, DOT	
		See External Code Source 52 in Section III for reference document	
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	C AN 1/4
TD404	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80
N/U	TD405	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1

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ECCnet Notes:

1. When BCT01= PS (Price Sheet) this segment will be ignored inbound to the catalogue.

Segment Example:

The trade item's Department of Transportation Dangerous Goods Number is "115A".

TD4**D*115A~

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Segment: **LDT** Lead Time
Position: 140
Loop: LIN
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: A LDT02 is the quantity of unit of time periods.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	LDT01	345 Lead Time Code Code indicating the time range AE From date of PO receipt to shipment AF From date of PO receipt to delivery (Added in VICS 4050)	M ID 2/2
>>	LDT02	380 Quantity Numeric value of quantity ECCnet: Required for Hardlines on Orderable Unit only. GDD: orderingLeadTime	M R 1/15
>>	LDT03	344 Unit of Time Period or Interval Code indicating the time period or interval DA Calendar Days DW Work Days	M ID 2/2
N/U	LDT04	373 Date Date expressed as CCYYMMDD NOT USED BY THE RETAIL INDUSTRY	O DT 8/8

ECCnet Notes:

1. When BCT01= PS (Price Sheet) this segment will be ignored inbound to the catalogue.

Segment Example:

It normally takes 45 calendar days from Purchase Order Date until Shipment Date.

LDT*AE*45*DA~

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Segment: **TC2** Commodity
Position: 160
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To identify a commodity or a group of commodities or a tariff page commodity
Syntax Notes:
Semantic Notes:
Comments

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> TC201	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code	M ID 1/1
ECCnet: GDD: importClassificationType			
		A	Harmonized Tariff Schedule of the United States Annotated See External Code Source 6 in Section III for reference document.
		N	National Motor Freight Classification (NMFC) See External Code Source 11 in Section III for reference document.
		T	Standard Transportation Carrier Code (STCC)
>> TC202	22	Commodity Code Code describing a commodity or group of commodities	M AN 1/30
ECCnet: GDD: importClassificationValue			

Implementation Guidelines:

TC201 Value	Edited For
A	10 numeric digits only, with no embedded spaces and no alpha characters allowed.

Segment Examples:

The importClassificationType is "A" and the importClassificationValue is "1234567890".

TC2*A*1234567890~

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Segment: **G55** Item Characteristics - Consumer Unit

Position: 168

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To provide physical characteristics relative to a consumer unit

Syntax Notes:

1	P0304	If either G5503 or G5504 is present, then the other is required.
2	P0506	If either G5505 or G5506 is present, then the other is required.
3	P0708	If either G5507 or G5508 is present, then the other is required.
4	P0910	If either G5509 or G5510 is present, then the other is required.
5	P1112	If either G5511 or G5512 is present, then the other is required.
6	P1415	If either G5514 or G5515 is present, then the other is required.
7	P232425	If any of G5523 G5524 or G5525 is present, then all are required.
8	P262728	If any of G5526 G5527 or G5528 is present, then all are required.
9	P2930	If either G5529 or G5530 is present, then the other is required.

Semantic Notes:

1	G5521 indicates if the product is prepriced. Code "Y" indicates the product is prepriced. Code "N" indicates the product is not prepriced.
---	--

Comments:

A	G5516 is limited to 16 characters.
---	------------------------------------

Notes:

This segment is used to provide physical characteristics relative to a consumer selling unit level only.

When changing a U.P.C. Consumer Package Code, the new code is identified in the LIN02/LIN03 and G5501/G5502 and the replaced U.P.C. Consumer Package Code is indicated in G5529/G5530.

The dimensions of the consumer unit may be specified by using G5505 through G5510

G5506, G5508 and G5510 must be in the same unit or basis for measurement code.

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using G5513 (Pack). The first level may be actual items, i.e., consumer units, or it may be the number of smaller containers within the case. The second level, specified using G5532 (Inner Pack), is the number of eaches in each inner container when G5513 is the number of smaller containers within the case. See Section V (Pack/Inner Pack Usage) for usage examples.

G5514 and G5515 should be used only if different from G3918 and G3919.

This segment may be used to specify the weight of the consumer unit by using G5523, G5524, and G5525. The volume (cube) of the consumer unit may be specified by using G5511 and G5512. This segment can be used also to specify the type of packaging for the consumer unit by using G5533.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
` >>	G5501	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN European Article Number (EAN) (2-5-5-1) EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN) EO EAN-8 Code (Added in VICS 4040) EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN)

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		ECCnet:	
		U8	U.P.C.-8 Consumer Unit Code (Change request pending EC 1-101)
		UP	U.P.C. Consumer Package Code (1-5-5-1) Data structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)
>>	G5502	234	Product/Service ID M AN 1/48 Identifying number for a product or service
		ECCnet:	
		The value must adhere to the UCC/EAN standards for the code specified by G5501.	
N/U	G5503	235	Product/Service ID Qualifier C ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234)
N/U	G5504	234	Product/Service ID C AN 1/48 Identifying number for a product or service
	G5505	65	Height C R 1/8 Vertical dimension of an object measured when the object is in the upright position.
		ECCnet:	
		If specified the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: height	
	G5506	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter
	G5507	189	Width C R 1/8 Shorter measurement of the two horizontal dimensions measured with the object in the upright position.
		ECCnet:	
		If specified the value MUST be greater than zero > 0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: Width	
	G5508	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter
	G5509	82	Length C R 1/8 Largest horizontal dimension of an object measured when the object is in the upright position.
		ECCnet:	
		If specified the value MUST be greater than zero > 0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: Depth	
	G5510	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter
	G5511	183	Volume C R 1/8 Value of volumetric measure. U.P.C. CATALOG: CUBE PER UNIT - The cube of an item.

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		ECCnet: If specified the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: Volume
G5512	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CC Cubic Centimeter CR Cubic Meter
G5513	356	Pack O NO 1/6 The number of inner containers, or number of eaches if there are no inner containers, per outer container.
		ECCnet: Note that dimensions of inner pack that is not marked with a GTIN number are transmitted in the PKL segment. GDD: quantityOfNextLowerTradeItemWithinInnerPack
G5514	357	Size C R 1/8 Size of supplier units in pack.
		ECCnet: For example, "8 ounces", this field would contain "8", and the next would contain "OZ" GDD: netContent
G5515	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
		ECCnet: GDD: netContentUOM
		AF Centigram (Added in VICS 4020)
		AM Ampoule (Added in VICS 4040)
		AR Suppository (Added in VICS 4040)
		AV Capsule (Added in VICS 4040)
		BF Board Feet
		BG Bag
		BO Bottle
		BX Box
		C3 Centiliter (Added in VICS 4020)
		CC Cubic Centimeter
		CF Cubic Feet
		CI Cubic Inches
		CM Centimeter (Added in VICS 4020)
		CR Cubic Meter
		DC Disk (Disc) (Added in VICS 4040)
		DG Decigram (Added in VICS 4020)
		DL Deciliter (Added in VICS 4020)
		EA Each
		FG Transdermal Patch (Added in VICS 4040)
		FO Fluid Ounce (Added in VICS 4040)
		FT Foot
		FZ Fluid Ounce - Imperial (Added in VICS 4040)
		F2 International Unit (Added in VICS 4040)
		GN Gross Gallons (Added in VICS 4030)
		GR Gram
		IH Inhaler (Added in VICS 4040)
		IN Inch
		JC Caplet (Added in VICS 4050)
		JL Refill (Added in VICS 4050)
		JN Pan (Added in VICS 4050)
		JS Use (Added in VICS 4050)
		JT Tin (Added in VICS 4050)
		JV Ovules (Added in VICS 4050)

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		JX	Exposure	(Added in VICS 4050)
		KG	Kilogram	
		KT	Kit	
		LB	Pound	
		LT	Liter	
		ME	Milligram	(Added in VICS 4020)
		ML	Milliliter	
		MM	Millimeter	
		MR	Meters	(Added in VICS 4040)
		OZ	Ounce – AV	
		PC	Piece	
		PD	Pad	(Added in VICS 4040)
		PH	Pack (PAK)	(Added in VICS 4040)
		PR	Pair	
		QB	Pages - Hardcopy	(Added in VICS 4040)
		RL	Roll	
		SH	Sheet	(Added in VICS 4040)
		SZ	Syringe	(Added in VICS 4040)
		TB	Tube	(Added in VICS 4040)
		U2	Tablet	(Added in VICS 4040)
		UN	Units	
		V2	Pouch	
		VI	Vial	(Added in VICS 4040)
		Y4	Tub	(Added in VICS 4040)
		YD	Yard	
		1N	Count	(Added in VICS 4040)
		12	Packet	(Added in VICS 4040)
		15	Stick	(Added in VICS 4040)
G5516	878	Cash Register Item Description		O AN 1/20
		The cash register description of an item		
		For Canadian Retail industry the English cash register description.		
				(Added in VICS 4040)
G5517	878	Cash Register Item Description		O AN 1/20
		The cash register description of an item		
		For Canadian Retail industry the French cash register description.		
				(Added in VICS 4040)
G5518	879	Coupon Family Code		O AN 3/3
		A code assigned by the vendor to a single item or to families of consumer items that can be used by in-store scanners in conjunction with a UPC coupon value code for instant credit when the proper item has been purchased		
G5519	880	Dated Product Number of Days		O NO 1/4
		Used to designate the number of days open dated product must 'sell by' from date of manufacture.		
N/U	G5520	881	Deposit Value	O R 1/8
		To designate the value for returnable containers.		
	G5521	1073	Yes/No Condition or Response Code	O ID 1/1
		Code indicating a Yes or No condition or response		
		N	No	
		Y	Yes	
N/U	G5522	397	Color	O AN 1/10
		Free-form description of color		
	G5523	395	Unit Weight	C R 1/8
		Numeric value of weight per unit.		
		U.P.C. CATALOG: WEIGHT PER UNIT - The weight of an item.		
		ECCnet:		
		ECCnet maintains this field with up to 5 integer positions and 3 decimal positions.		
		GDD: grossWeight		
G5524	187	Weight Qualifier		C ID 1/2
		Code defining the type of weight		

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		G	Gross weight	
G5525	188	Weight Unit Code		C ID 1/1
		Code specifying the weight unit		
		G	Grams	(Added in VICS 4020)
		K	Kilograms	(Added in VICS 4020)
		L	Pounds	
		O	Ounces	
G5526	395	Unit Weight		C R 1/8
		Numeric value of weight per unit.		
		ECCnet:		
		ECCnet maintains this field with up to 5 integer positions and 3 decimal positions.		
		GDD: netWeight		
G5527	187	Weight Qualifier		C ID 1/2
		Code defining the type of weight		
		A3	Shippers Weight	
		B	Billed Weight	(Added in VICS 4040)
		DR	Drained Weight	(Added in VICS 4040)
		N	Actual Net Weight	
		ECCnet:		
		T	Tare Weight (Change request pending – EC 1-84)	
G5528	188	Weight Unit Code		C ID 1/1
		Code specifying the weight unit		
		G	Grams	(Added in VICS 4040)
		K	Kilograms	(Added in VICS 4040)
		L	Pounds	
		O	Ounces	
G5529	235	Product/Service ID Qualifier		C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		OC	Old U.P.C. / EAN Consumer Package Code	
G5530	234	Product/Service ID		C AN 1/48
		Identifying number for a product or service		
		This should be the same U.P.C./EAN code format as the code value in G5501.		
		ECCnet:		
		GDD: replacedTradeItemIdentification		
N/U	G5531	369	Free-form Description	O AN 1/45
			Free-form descriptive text.	
			NOT USED BY RETAIL INDUSTRY	
N/U	G5532	810	Inner Pack	O NO 1/6
			The number of eaches per inner container.	
		ECCnet:		
		GDD: quantityOfInnerPack		
G5533	103	Packaging Code		O AN 3/5 (5)
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
		ECCnet:		
		GDD: packagingTypeCode AND packagingMaterialCode		
			Part 1	
		AMM	Ammo Pack	
		BAG	Bag	
		BAL	Bale	
		BBL	Barrel	
		BDL	Bundle	
		BEM	Beam	
		BLK	Bulk	
		BOT	Bottle	
		BOX	Box	
			Box or carton	

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CAN	Can	
CAS	Case	(Added in VICS 4020)
CHE	Cheeses	(Added in VICS 4050)
COL	Coil	
CYL	Cylinder	(Added in VICS 4020)
CRT	Crate	
DRM	Drum	
EPR	Edge Protection	
EGG	Egg Crating	(Added in VICS 4050)
JAR	Jar	(Added in VICS 4050)
KEG	Keg	
LNR	Liners	(Added in VICS 4020)
LSE	Loose	
PAL	Pail	
PKG	Package	
	Package, card, or blister card	
PLT	Pallet	
PWT	Plastic Wrapped Tray	(Added in VICS 4050)
REL	Reel	
ROL	Roll	
SPL	Spool	
SRW	Shrink Wrap	(Added in VICS 4050)
STW	Stretch Wrap	(Added in VICS 4050)
TBE	Tube	
TBN	Tote Bin	(Added in VICS 4020)
TNK	Tank	(Added in VICS 4020)
TRY	Tray	
TUB	Tub	(Added in VICS 4050)
WLC	Wheeled Carrier	
WRP	Wrapped	
	Part 2	
25	Corrugated or Solid	
	Corrugated or solid packaging does not require repackaging for shipment	
31	Fiber	
	Fiber packaging usually requires repackaging for shipment	
43	Glass	
58	Metal	
71	Not Otherwise specified	
64	Molded Plastic	(Added in VICS 4050)
72	Paper – VCI	(Added in VICS 4050)
75	Plastic – Vacuum formed	(Added in VICS 4050)
76	Paper	(Added in VICS 4050)
77	Plastic – Structural Foam	(Added in VICS 4050)
78	Plastic – Injection Molded	(Added in VICS 4050)
79	Plastic	
86	Foam	(Added in VICS 4050)
89	Special (Do not use)	
90	Standard (Do not use)	
94	Wood	

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ECCnet Notes:

1. A G55 segment may be provided for the UPC/EAN types listed under G5501/02. A G39 segment should not be provided for those UPC/EAN types.
2. G5503 and G5504 are not supported.
3. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.
4. If netWeight and grossWeight are both provided, then grossWeight must be \geq netWeight, and the respective units of measure must be identical. Both weigh attributes must be > 0 .
5. Depth, Height, Width, and Volume must be > 0 . Units of measure must be identical for Depth, Height, and Width.

Hardlines ECCnet Notes:

- 1 ECCNET always sets G5533 packagingMaterialCodeListMaintenanceAgency to 'VI' (VICS).
- 2 ECCNET automatically populates packagingMaterialDescription and packagingTypeDescription using table lookups based on the G5533 Part 1 and Part 2 codes provided. You do not need to supply these descriptions.
- 3 ECCNET automatically calculates the GTIN that corresponds to the EAN.UCC TYPE and EAN.UCC CODE that you provide in G5501 and G5502, by padding leading zeroes until the code is 14 digits in length. The only exception is for qualifier UI, which ECCNET first calculates the check-digit then pads leading zeroes to obtain the 14-digit GTIN representation. This GTIN representation is the value that is used for Global Data Synchronization.
- 4 Gross weight is required if trade item is an orderable unit.
- 5 netContent is required if the item is marked as a consumer unit. It must be > 0 . 'netContent' equates to the 'size and UOM' of the consumer unit.

Segment Example:

The trade item is a 12 ounce metal can of carbonated caffeine-free soda. It has the following characteristics:

▪ eanuccCodeType	UP
▪ eanuccCode	055100010084
▪ GTIN	00055100010084
▪ Depth	3 inches
▪ Height	7.5 inches
▪ Width	3 inches
▪ Volume	67.5 cubic inches
▪ Inner Pack Qty	1
▪ Net Content	12 ounces
▪ Gross Weight	12.2 ounces
▪ Net Weight	12 ounces
▪ Replacement GTIN	00055100010008
▪ Eaches in Inner Pack	n/a
▪ Packaging Type	Can
▪ Packaging Material	Metal

G55*UP*055100010084***3*IN*7.5*IN*3*IN*29*CI*1*12*OZ*****12.2*G*O*12*N*O*OC*055100010008****CAN58

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Segment: **CTP Pricing Information**
Position: 170
Loop: LIN/CTP **Usage:** Optional **Max Use:** 100
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax Notes:

- 1 **P0405** If either CTP04 or CTP05 is present, then the other is required.
- 2 **C0607** If CTP06 is present, then CTP07 is required.
- 3 **C0902** If CTP09 is present, then CTP02 is required.
- 4 **C1002** If CTP10 is present, then CTP02 is required.
- 5 **C1103** If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>		
>>	CTP01	687 Class of Trade Code Code indicating class of trade	O ID 2/2		
			AG Agent		
			BG Buying Group		
			CR Chain Store Retail (Added in VICS 4030)		
			DE Dealer		
			DF Doctor's Office (Added in VICS 4030)		
			DI Distributor		
			HS Hospitals (Added in VICS 4030)		
			RS Resale		
			Retailer		
			WH Wholesaler		
			WS User (Added in VICS 4050)		
			>>	CTP02	236 Price Identifier Code Code identifying pricing specification
BCH Base Charge Deposit Amount (Added in VICS 4050)					
DSD Direct Store Delivery (Added in VICS 4040)					
MSR Manufacturer's Suggested Retail					
U.P.C. CATALOG: SUGGESTED RETAIL - Price that is printed on ticket identified as suggested retail.					
ECCnet:					
GDD: suggestedRetailPrice					
PRP Promotional price					
Promotion/Event					
RTL Retail					
ECCnet:					
GDD: retailPriceOnTradeItem					
UCP Unit cost price					
U.P.C. CATALOG: UNIT COST - Standard wholesale cost of an item.					
ECCnet:					
This price must be > 0.					
>>	CTP03	212 Unit Price Price per unit of product, service, commodity, etc.	C R 1/17		
			The price is sent with a decimal point only when needed, i.e., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".		
	CTP04	380 Quantity	C R 1/15		

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	CTP05	C001	Numeric value of quantity Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	C	
>>	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each GR Gram KG Kilogram LB Pound OZ Ounce – Av PL Pallet/Unit Load	M	ID 2/2
	C00102	1018	Exponent Power to which a unit is raised	O	R 1/15
			NOT USED BY THE RETAIL INDUSTRY		
	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
			NOT USED BY THE RETAIL INDUSTRY		
	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
			NOT USED BY THE RETAIL INDUSTRY		
	C00105	1018	Exponent Power to which a unit is raised	O	R 1/15
			NOT USED BY THE RETAIL INDUSTRY		
	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
			NOT USED BY THE RETAIL INDUSTRY		
	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
			NOT USED BY THE RETAIL INDUSTRY		
	C00108	1018	Exponent Power to which a unit is raised	O	R 1/15
			NOT USED BY THE RETAIL INDUSTRY		
	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
			NOT USED BY THE RETAIL INDUSTRY		
	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
			NOT USED BY THE RETAIL INDUSTRY		
	C00111	1018	Exponent Power to which a unit is raised	O	R 1/15
			NOT USED BY THE RETAIL INDUSTRY		
	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10
			NOT USED BY THE RETAIL INDUSTRY		
	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
			NOT USED BY THE RETAIL INDUSTRY		
	C00114	1018	Exponent Power to which a unit is raised	O	R 1/15
			NOT USED BY THE RETAIL INDUSTRY		
	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O	R 1/10

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CTP06	648	Price Multiplier Qualifier Code indicating the type of price multiplier NOT USED BY THE RETAIL INDUSTRY	O ID 3/3
CTP07	649	Multiplier Value to be used as a multiplier to obtain a new value NOT USED BY THE RETAIL INDUSTRY	C R 1/10
CTP08	782	Monetary Amount Monetary amount NOT USED BY THE RETAIL INDUSTRY	O R 1/18
CTP09	639	Basis of Unit Price Code Code identifying the type of unit price for an item NT Net (Added in VICS 4020)	O ID 2/2
CTP10	499	Condition Value Identifies rate restrictions or provisions NOT USED BY THE RETAIL INDUSTRY	O AN 1/10
CTP11	289	Multiple Price Quantity Quantity of units for a given price, i.e., 3 for \$10.00 NOT USED BY THE RETAIL INDUSTRY	O NO 1/2

ECCnet Notes:

1. The CTP01=WS and CTP02=BCT are used to transmit the point-of-sale container deposit amount (Bottle deposit). Use the G43 segment to indicate what provinces that the deposit amount applies to.
2. A syntax or content error encountered in any field of any segment within the CTP loop results in the entire related CTP loop being rejected (not processed).
3. When sending Price Changes, send all prices for the Class of Trade Code (CTP01), Price Identifier (CTP02) and Trading Partner (REF02). The catalogue will first delete the existing prices for that Price Identifier and Trading Partner and then add the prices provided.

Segment Examples:

The retail price marked on the can of cola is \$1.29.

CTP**RTL*1.29~

The manufacturer's suggested retail price to the consumer is \$1.49.

CTP**MSR*1.49~

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Segment: **DTM** Date/Time Reference
Position: 180
Loop: LIN/CTP
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 **R020305** At least one of DTM02 DTM03 or DTM05 is required.
- 2 **C0403** If DTM04 is present, then DTM03 is required.
- 3 **P0506** If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:
Notes: Codes 196 and 197 specify the applicable dates for the prices specified in the preceding CTP segment, i.e., effective date or expiration date.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	DTM01	374	Date/Time Qualifier M ID 3/3 Code specifying type of date or time, or both date and time 196 Start <u>ECCnet:</u> GDD: effectiveStartDate 197 End <u>ECCnet:</u> GDD: effectiveEndDate
>>	DTM02	373	Date C DT 8/8 Date expressed as CCYYMMDD
N/U	DTM03	337	Time C TM 4/8 Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) NOT USED BY THE RETAIL INDUSTRY
N/U	DTM04	623	Time Code O ID 2/2 Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow NOT USED BY THE RETAIL INDUSTRY
N/U	DTM05	1250	Date Time Period Format Qualifier C ID 2/3 Code indicating the date format, time format, or date and time format NOT USED BY THE RETAIL INDUSTRY
N/U	DTM06	1251	Date Time Period C AN 1/35 Expression of a date, a time, or range of dates, times or dates and times NOT USED BY THE RETAIL INDUSTRY

ECCnet Notes:

Additional Price Start/End Dates are available. See Notes at the end of "Allowances & Charges SAC" Section. If used these are mutually exclusive with this field.

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Segment Examples:

The effective start date for the price is May 15, 2004.
DTM*196*20040515~

The effective end date for the price is June 30, 2004.
DTM*196*20040630~

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Segment: **G36** Price List Reference
Position: 182
Loop: LIN/CTP
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide price list references and descriptions
Syntax Notes:
Semantic Notes: 1 G3603 is the issue date of the price list.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	G3601	439	Price List Number Identification number assigned by a vendor to a price list	M AN 1/16
	G3602	440	Price List Issue Number Number assigned to revised or new issues of a price list	O AN 1/16
>>	G3603	373	Date Date expressed as CCYYMMDD	M DT 8/8
N/U	G3604	291	Price Condition Applies Code Code indicating whether price conditions apply to a price change NOT USED BY THE RETAIL INDUSTRY	O ID 3/3

ECCnet Notes:

1. ECCnet recommends the use of the G3601 to provide more information related to the transmission of the price.

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Segment: **CUR** Currency
Position: 200
Loop: LIN/CTP
Level: Detail
Usage: Optional
Max Use: 5 ECCnet: Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 C0807 If CUR08 is present, then CUR07 is required.
- 2 C0907 If CUR09 is present, then CUR07 is required.
- 3 L101112 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 C1110 If CUR11 is present, then CUR10 is required.
- 5 C1210 If CUR12 is present, then CUR10 is required.
- 6 L131415 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 C1413 If CUR14 is present, then CUR13 is required.
- 8 C1513 If CUR15 is present, then CUR13 is required.
- 9 L161718 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 C1716 If CUR17 is present, then CUR16 is required.
- 11 C1816 If CUR18 is present, then CUR16 is required.
- 12 L192021 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 C2019 If CUR20 is present, then CUR19 is required.
- 14 C2119 If CUR21 is present, then CUR19 is required.

Notes: When this segment is used in the detail area, it overrides any currency stated in the header area for this iteration of the LIN loop only. In addition, the exchange rate for the currency specified to US Dollars may be provided.
 See Section V (CUR Usage) for usage examples.

Data Element Summary

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	M ID 2/3
>>	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3
	CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/10
N/U	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual NOT USED BY THE RETAIL INDUSTRY	O ID 2/3
N/U	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified NOT USED BY THE RETAIL INDUSTRY	O ID 3/3
N/U	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based NOT USED BY THE RETAIL INDUSTRY Refer to 004010VICS Data Element Dictionary for acceptable code values.	O ID 3/3
N/U	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time NOT USED BY THE RETAIL INDUSTRY Refer to 004010VICS Data Element Dictionary for acceptable code values.	C ID 3/3
N/U	CUR08	373	Date Date expressed as CCYYMMDD NOT USED BY THE RETAIL INDUSTRY	O DT 8/8

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N/U	CUR09	337	Time	O	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR10	374	Date/Time Qualifier	C	ID 3/3
Code specifying type of date or time, or both date and time Refer to 004010VICS Data Element Dictionary for acceptable code values.					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR11	373	Date	C	DT 8/8
Date expressed as CCYYMMDD					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR12	337	Time	C	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR13	374	Date/Time Qualifier	C	ID 3/3
Code specifying type of date or time, or both date and time Refer to 004010VICS Data Element Dictionary for acceptable code values.					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR14	373	Date	C	DT 8/8
Date expressed as CCYYMMDD					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR15	337	Time	C	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR16	374	Date/Time Qualifier	C	ID 3/3
Code specifying type of date or time, or both date and time Refer to 004010VICS Data Element Dictionary for acceptable code values.					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR17	373	Date	C	DT 8/8
Date expressed as CCYYMMDD					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR18	337	Time	C	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR19	374	Date/Time Qualifier	C	ID 3/3
Code specifying type of date or time, or both date and time Refer to 004010VICS Data Element Dictionary for acceptable code values.					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR20	373	Date	C	DT 8/8
Date expressed as CCYYMMDD					
NOT USED BY THE RETAIL INDUSTRY					
N/U	CUR21	337	Time	C	TM 4/8
Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
NOT USED BY THE RETAIL INDUSTRY					

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Segment: **REF** Reference Identification
Position: 225
Loop: LIN/CTP
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 **R0203** At least one of REF02 or REF03 is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Notes: This segment is used to identify the retailer to which the price in the CTP segment applies. Use multiple iterations of the REF segment to specify additional retailers to which the price applies.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification YD Buyer Identification	M ID 2/3
>>	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Retailer's identification number for the catalogue service provider as used in BCT06 for access control	C AN 1/30
N/U	REF03	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80
N/U	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
N/U	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
N/U	C04002	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
N/U	C04003	128 Reference Identification Qualifier Code qualifying the Reference Identification	C ID 2/3
N/U	C04004	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C AN 1/30
N/U	C04005	128 Reference Identification Qualifier Code qualifying the Reference Identification	C ID 2/3
N/U	C04006	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C AN 1/30

ECCnet Notes:

1. REF01=YD (Buyer Identification) is only used inbound to ECCnet. It is not transmitted outbound to the Retailer.

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Segment: **G43** Promotion/Price List Area
Position: 227
Loop: LIN/CTP Optional
Level: Detail
Usage: Optional
Max Use: 9999
Purpose: To specify the geographic area in which a promotion or price is in effect
Syntax Notes:
Semantic Notes: 1 If G4301 is "001", "002", or "004", then G4302 is required. If G4301 is "003", then G4303 is required.
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	G4301	771 Market Area Code Qualifier Code qualifying the identifier represented in "Market Area Code Identifier (767)"	M ID 1/3
		001 Pricing Market	
		002 Store Number	
		006 All Stores	
		009 State Abbreviation Code	(Added in VICS 4030)
	G4302	767 Market Area Code Identifier A unique identification of a market area	O AN 1/12
	G4303	352 Description (Added in VICS 4040)	O AN 1/80
			ECCnet: AN 1/40
	G4304	687 Class of Trade Code (Added in VICS 4040) Code indicating class of trade	O ID 2/2
		CY Convenience Store	(Added in VICS 4040)
		DI Distributor	(Added in VICS 4040)
		FS Foodservice	(Added in VICS 4040)
		GA Grocery Accounts	(Added in VICS 4040)
		GM General Merchandise	(Added in VICS 4040)
		ML Military	(Added in VICS 4040)
		PY Private Label	(Added in VICS 4040)
		WC Warehouse Clubs	(Added in VICS 4040)

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Segment: **SAC** Service, Promotion, Allowance, or Charge Information

Position: 228

Loop: LIN/CTP

Level: Detail

Usage: Optional

Max Use: >1

ECCnet Max Use: 200 per CTP Loop

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 **R0203** At least one of SAC02 or SAC03 is required.
 - 2 **P0304** If either SAC03 or SAC04 is present, then the other is required.
 - 3 **P0607** If either SAC06 or SAC07 is present, then the other is required.
 - 4 **P0910** If either SAC09 or SAC10 is present, then the other is required.
 - 5 **C1110** If SAC11 is present, then SAC10 is required.
 - 6 **L130204** If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 **C1413** If SAC14 is present, then SAC13 is required.
 - 8 **C1615** If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- A SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - B In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the header area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the header area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge (Added in VICS 4050)
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge A320 Air Transportation Charge A445 Anti-dumping Duty

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A730	Brokerage or Duty
A890	Cancelled Order, Heavy Duty Flatcar
B560	Container Allowance
B570	Container Deposits

ECCnet:
Use for Container Tax (Change request pending EC 1-90)

B720	Cooperative Advertising/Merchandising Allowance (Performance)
B787	Countervailing Duty
B872	Customs Duty
C040	Delivery
C110	Deposit
C350	Distributor Discount/Allowance
C530	Duty Charge
C531	Duty Drawback
C680	Environmental Protection Service

ECCnet:
Use for ecology charges (Change request pending – EC 1-104)

D103	Foreign Customs Duty
D170	Free Goods
D350	Goods and Services Credit Allowance

ECCnet:
Use for GST and Harmonized Credit Allowance (Change request pending – EC 1-105)

D360	Goods and Services Tax Charge
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ECCnet:
Use for GST and Harmonized Sales Tax Charge (Change request pending – EC 1-105)

D590	Heavy Duty Flat Car Charge
D701	International Air Transport Association (IATA) Commission
D710	IATA Fee
D711	International Air Transport Association (IATA) Markup
D800	Inland Transportation
E382	Liquidation Anti-Dumping Duty
E384	Liquidation Countervailing Duty
E565	Markdown Allowance
E730	New Item Allowance
E740	New Store Allowance
E750	New Store Discount
E760	New Warehouse Discount
F050	Other (See related description)
F180	Pallet
F330	Pick-up and Delivery
F340	Pick/Up
F560	Premium Transportation
F650	Preparation

ECCnet:
Use for Prepared Food Tax (Change request pending EC 1-90)

F810	Promotional Discount
F910	Quantity Discount
G322	Reliquidation Anti-Dumping Duty
G324	Reliquidation Countervailing Duty
H000	Special Allowance

ECCnet:
Use for food show allowance

H215	Specific Duty
H490	Subject To Tax On Resale
	Use for Provincial Tobacco Tax (Note added in VICS 4050)
H535	Supplemental Duty
H770	Tax - State Tax
	Represent Provincial Sales Tax (Note added in VICS 4050)
H806	Tax Credit

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Use for Provincial Tax Credit (Note added in VICS 4050)

H840	Tax on Transportation
I170	Trade Discount
I240	Transportation And Setup
I250	Transportation Charge (Minimum Rate)
I260	Transportation Direct Billing
I270	Transportation Third Party Billing
I280	Transportation Vendor Provided
I310	Truckload Discount
I410	Unsaleables Merchandise Allowance
R080	Packing, Crating, Handling, and Transportation Charge.

ECCnet:

ZZZZ Mutually Defined (Change request pending EC 1-48)
 Canadian Note: In the case where there is a service/allowance/charge that would have gone in the 03/04, the user will specify ZZZZ and provide additional information in the description area.

Use for Retailer-specific special or extended terms. Use only when terms differ from those specified in the Vendor's agreement.
 (Change request pending EC 1-97 to add Terms segment (ITD) to CTP loop).

SAC03 559 Agency Qualifier Code C ID 2/2

Code identifying the agency assigning the code values

VI Voluntary Inter-Industry Commerce Standard (VICS) EDI

SAC04 1301 Agency Service, Promotion, Allowance, or Charge Code C AN 1/10

Agency maintained code identifying the service, promotion, allowance, or charge

Part 01 Part 02

AR	Assembly Requested
CS	Custom Service (Service type code in SAC13 and/or description of service in SAC15)
GC	Gift Card (Gift card type in SAC13, gift card message in SAC15)
GP	Graphic Print (Graphic print type code in SAC13 and/or description in SAC15)
GW	Gift Wrap (Gift wrap type code in SAC13 and/or description in SAC15)
HA	Hanger Service
IN	Inscription (Inscription text in SAC15)
MO	Monogram (Monogram letters in SAC15)
MR	Mounting Requested
OH	Order Handling
BH	Bill and Hold Goods
DC	Direct to Consumer
DS	Drop Ship
FC	First Cost Order (Retailer, customer of importer, pays cost of getting the product into the country)
KO	Close Out Order
KT	Key Titles (Music/Software/Video)
LO	Landed Order (Importer, third party, pays all costs of getting the product into the country)
NP	New Product Introduction Offer

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NS	New Store Order
PR	Promotional Order
RC	Raincheck Order
RO	Rush Order
SB	Seasonal Build Up Order
SP	Sample Order
SO	Special Order
ZQ	Mutually Defined Order Type (Code in SAC13)

SAC05	610	Amount	O N2 1/15
		Monetary amount	
		When SAC01 contains code A or code C, then this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.	
SAC06	378	Allowance/Charge Percent Qualifier	C ID 1/1
		Code indicating on what basis allowance or charge percent is calculated	
		1	Item List Cost
		2	Item Net Cost
		3	Discount/Gross
			All allowances are off the gross price including cash discount.
		4	Discount/Net
			All allowances are off the gross price. Cash discounts are off the net.
		5	Base Price per Unit
			Line item discount
		6	Base Price Amount
		7	Base Price Amount Less Previous Discount
			Declining balance method
SAC07	332	Percent	C R 1/6
		Percent expressed as a percent	
		The percent is sent with a decimal point only when needed, i.e., 10.5% is sent as "10.5", and 2% is sent as "2".	
SAC08	118	Rate	O R 1/9
		Rate expressed in the standard monetary denomination for the currency specified	
SAC09	355	Unit or Basis for Measurement Code	C ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		CA	Case
		EA	Each
		GR	Gram
		KG	Kilogram
		LB	Pound
		OZ	Ounce – Av
		PL	Pallet/Unit Load
SAC10	380	Quantity	C R 1/15
		Numeric value of quantity	
		When SAC02 contains code D170, this data element is required and will contain the quantity of free goods. The unit of measure is in SAC09.	
		SAC10 alone is used to indicate a specific quantity which could be a dollar amount, that is applicable to the service, promotion, allowance, or charge.	
N/U	SAC11	380	Quantity
			O R 1/15
		Numeric value of quantity	
	SAC12	331	Allowance or Charge Method of Handling Code
			O ID 2/2
		Code indicating method of handling for an allowance or charge	
		01	Bill Back
			The allowance or charge amount will be adjudicated as a separate item, i.e., a debit/credit memo or a separate invoice. The amount will not be reflected in the invoice total amount.
		02	Off Invoice

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			03	Vendor Check to Customer The allowance or charge amount will be reflected in the total transaction amount, i.e., Total Invoice Amount = Merchandise Price + Charges – Allowances.
			04	Credit Customer Account The vendor will issue a check directly to the customer of the retailer, or end consumer, for the allowance or charge amount. The amount is not reflected in the total invoice amount.
			05	Charge to be Paid by Vendor The retailer's account will be credited for the amount of the allowance or charge. The amount is not reflected in the total invoice amount.
			06	Charge to be Paid by Customer The vendor is responsible for the allowance or charge amount. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.
	SAC13	127	Reference Identification	C AN 1/30 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
				ECCnet: Note: In Canada this element is used to identify the tax registration number when the SAC is used to transmit Allowance/Charge information. (VICS 4050)
N/U	SAC14	770	Option Number	O AN 1/20 A unique number identifying available promotion or allowance options when more than one is offered
	SAC15	352	Description	C AN 1/80 A free-form description to clarify the related data elements and their content
	SAC16	819	Language Code	O ID 2/3 Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)
				ECCnet: See below for usage. DA Danish FI Finnish IT Italian JA Japanese KO Korean NL Dutch

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ECCnet Notes:

1. **Price Comments:**

SAC01 = N
 SAC02 = F050
 SAC15 = pricing comment
 SAC16 = EN or FR

2. **Bracket Price Quantity:**

SAC01 = N
 SAC02 = ZZZZ
 SAC03 = VI
 SAC04 = OH
 SAC09 = quantity unit of measure
 SAC10 = bracket minimum quantity

Note: VICS has approved a Change Request and requested to X12 to add the G93 segment to the CTP loop. IN a future version, the Bracket Price quantity will be relocated from the temporary SAC location to the CTP/G93 segment.

3. **Retailer-Specific Terms:**

SAC01 = N
 SAC02 = ZZZZ
 SAC15 = terms in free format

Note: Use for Retailer-specific special or extended terms. Use only when terms differ from those specified in the Vendor's agreement. (Change request pending – EC 1-97 to add Terms segment (ITD) to CTP loop).

4. **Special Price Start/End Date Fields**

Note: As a temporary solution, the Allowance & Charge area can be used to express additional Price Start / End Date fields. This is done as follows: (Change request pending – EC-1-107 for a more permanent solution)

Special Price Date	Allowance or Charge	Allowance or Charge Type	Description	Language
Order Start Date	N	ZZZZ	CCYYMMDD	DA (Danish)
Order End Date	N	ZZZZ	CCYYMMDD	FI (Finish)
Requested Delivery Start Date	N	ZZZZ	CCYYMMDD	IT (Italian)
Requested Delivery End Date	N	ZZZZ	CCYYMMDD	JA (Japanese)
Ship Start Date	N	ZZZZ	CCYYMMDD	KO (Korean)
Ship End Date	N	ZZZZ	CCYYMMDD	NL (Netherlands)

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Segment: **G26** Pricing Conditions

Position: 229
Loop: LIN/CTP Optional
Level: Detail
Usage: Optional
Max Use: 99

Purpose: To specify vendor's conditions related to price change
Syntax Notes:
 1 **P0203** If either G2602 or G2603 is present, then the other is required.
 2 **P040506** If any of G2604 G2605 or G2606 is present, then all are required.

Semantic Notes:

Comments:

Notes: If G2601 contains code 01, then the price is protected until the date in G2602 and G2603 or for the number of days in G2604, G2605, and G2606 using code DA in G2606.

If G2601 contains code 02, then G2604, G2605, and G2606 define the allocation.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>> G2601	290	Price Condition Code	M ID 2/2
		Code identifying a particular condition applicable to a price change	
		01 Price Protection Applies	
		02 Allocation Applies	
		<u>ECCnet:</u>	
		03 Advance Ship Notice/Pallet type	(Change request pending EC 1-74)
		04 Bar Code Case Label	(Change request pending EC 1-74)
		05 Bottom Load Only	(Change request pending EC 1-74)
		06 Color Coding	(Change request pending EC 1-74)
		07 Synchronization of Prices	(Change request pending EC 1-74)
		08 Dedicated Carrier	(Change request pending EC 1-74)
		09 Drop Trailer	(Change request pending EC 1-74)
		10 Financial Electronic Data Interchange (FEDI)	(Change request pending EC 1-74)
		11 Fax a Manifest	(Change request pending EC 1-74)
		12 Hand Stack – Special Loading	(Change request pending EC 1-74)
		13 Modular Pallets	(Change request pending EC 1-74)
		14 No Diverting	(Change request pending EC 1-74)
		15 Order Lead Time Requirement	(Change request pending EC 1-74)
		16 Order Quality (No-Touch EDI)	(Change request pending EC 1-74)
		Prices applicable to orders with no intervention.	
		17 Pallet Placards	(Change request pending EC 1-74)
		18 Pick and Pack	(Change request pending EC 1-74)
		19 Pre-set Appointments	(Change request pending EC 1-74)
		20 Rapid Deployment (Same Day Ship)	(Change request pending EC 1-74)
		21 Slipsheet	(Change request pending EC 1-74)
		22 Strap Packages	(Change request pending EC 1-74)
		23 Third Party Pallet	(Change request pending EC 1-74)
		24 Unload Time Required	(Change request pending EC 1-74)
G2602	432	Date Qualifier	C ID 2/2
		Code specifying type of date	
		03 Invoice Date	
		11 Shipped on This Date	
		35 Delivered on This Date	
		52 Ordered	
		AA Store Inventory Stock	
		AB Warehouse Inventory Stock	

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G2603	373	Date Date expressed as CCYYMMDD	C	DT 8/8
G2604	292	Quantity Basis Identifies the total product allocation condition 001 Quantity per Customer Allowed 002 Quantity per Market Area Allowed	C	ID 3/3
G2605	380	Quantity Numeric value of quantity	C	R 1/15
G2606	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each GR Gram KG Kilogram LB Pound OZ Ounce – AV PL Pallet/Unit Load	C	ID 2/2

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Segment: **N1** Name
Position: 230
Loop: LIN/N1 **Usage:** Optional **Max Use:** >1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 **R0203** At least one of N102 or N103 is required.
 2 **P0304** If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
 A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 B N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
>>	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		9C	Country Of Destination	
		ECCnet:		
		GDD: targetMarketCountryCode		
		ACV	Information Source	
		ECCnet:		
		GDD: informationProvider		
		CT	Country of Origin	
			U.P.C. CATALOG: COUNTRY OF ORIGIN - The country where the product is manufactured. N104 will contain the country code.	
		ECCnet:		
		GDD: countryOfOrigin		
		HA	Owner	
		ECCnet:		
		GDD: brandOwner		
		II	Issuer of Invoice	(Added in VICS 4050)
		MF	Manufacturer Of Goods	
		ECCnet:		
		GDD: manufacturer		
		SF	Ship From	
			U.P.C. CATALOG: POINT OF ORIGIN - Shipping location.	
		ECCnet:		
		SL	Origin Sub Location (Change request pending – EC 1-80)	
		SU	Supplier/Manufacturer (Change request pending – EC 1-80)	
	N102	93	Name	C AN 1/60
			Free-form name	
			ECCnet:	
			AN 1/35	
		ECCnet:		
		GDD: nameOfBrandOwner OR		
		nameOfManufacturer OR		
		nameOfInformationProvider		
>>	N103	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		38	Country Code	
		UL	UCC/EAN Location Code	
			A globally unique 13 digit code for the identification of a legal,	

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			functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system		
>>	N104	67	Identification Code Code identifying a party or other code This is the location code as defined by N103. The location code may be a formal number, i.e., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses. ECCnet: GDD: brandOwner OR countryOfOrigin OR informationProvider OR manufacturer OR targetMarketCountryCode	C	AN 2/80
N/U	N105	706	Entity Relationship Code Code describing entity relationship NOT USED BY RETAIL INDUSTRY	O	ID 2/2
N/U	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual NOT USED BY RETAIL INDUSTRY	O	ID 2/3

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ECCnet Notes:

1. **Country of Origin:** When N101=CT the following values are used:

N1 Segment	N101 = CT (required)
	N102 = <ignored>
	N103 = 38
	N104 = country code from list

2. **State/Province of Origin:** When N101=SL the following values are used:

N1 Segment	N101 = SL (required)
	N102 = <ignored>
	N103 = 49
	N104 = State/Province code from list

3. **Ship From:** When N101=SF the following values are used:

N1 Segment	N101 = SF (required)
	N102 = ship from name
	N103 = UL
	N104 = Global Location Number of Ship From Location
N2 Segment	Not Supported
N3 Segment	Not Supported
N4 Segment (optional)	N401 = city
	N402 = state/province
	N404 = country

4. **Supplier/Manufacturer:** When N101=SU the following values are used:

N1 Segment	N101 = SU (required)
	N102 = ship from name
	N103 = 9 or UL
	N104 = code matching N103 qualifier
N2 Segment	Not Supported
N3 Segment (optional)	N301 = address line 1
	N302 = address line 2
N4 Segment (optional)	N401 = city
	N402 = state/province
	N404 = country

5. **Issuer of Invoice:** When N101=II the following values are used:

N1 Segment	N101 = II (required)
	N102 = ship from name
	N103 = 9 or UL
	N104 = code matching N103 qualifier
N2 Segment	Not Supported
N3 Segment (optional)	N301 = address line 1
	N302 = address line 2
N4 Segment (optional)	N401 = city
	N402 = state/province
	N404 = country

6. Origin and Ship From information can be provided inbound to ECCnet in either the heading or detail area with detail overriding any information provided at the heading level. Outbound this information is provided at the detail level.

7. Outbound values (from ECCnet) are subject to the Retailer's "Optional Attributes" settings.

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8. When BCT01= PS (Price Sheet) this segment and loop will be ignored inbound to the catalogue.

Segment Examples:

The information provider's name is "The Best Cola Company". Their GLN is 722222222227.

N1*ACV*The Best Cola Company*UL*722222222227~

The brand owner's name is "Best Brands, Inc.". Their GLN is 911111111119.

N1*HA*Best Brands, Inc.*UL*911111111119~

Brand Owner GLN and Brand Owner Name other than your own.

N1*HA*ABL2 Brand Owner*UL*0551000144442~

The manufacturer's name is "Best Cola". Their GLN is 877777777778.

N1*MF*Best Cola*UL*877777777778~

The trade item's country of origin is "Canada".

N1*CT**38*CA~

The trade item's target market country code is "Canada".

N1*9C**38*124~

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Segment: **N3** Address Information
Position: 250
Loop: LIN/N1
Level: Detail
Usage: Optional
Max Use: 2 ECCnet Max Use – 1 per N1 loop
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
>>	N301	166	Address Information	Address information	M	AN 1/55 ECCnet: AN 1/35
	N302	166	Address Information	Address information	O	AN 1/55 ECCnet: AN 1/35

ECCnet Notes:

1. Only supported where N101 is "SU" and "II". Otherwise will be ignored.
2. See N1 notes.

Segment Example:

N3*address1*address2~

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Segment: **N4** Geographic Location
Position: 260
Loop: LIN/N1 I
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 C0605 If N406 is present, then N405 is required.
Semantic Notes:
Comments:

- A A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- B N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O AN 2/30 <div style="border: 1px solid black; padding: 2px;">ECCnet: AN 2/20</div>
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency See External Code Source 22 in Section III for reference document.	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) See External Code Source 51 in Section III for reference document.	O ID 3/15 <div style="border: 1px solid black; padding: 2px;">ECCnet: AN 3/15</div>
N404	26	Country Code Code identifying the country See External Code Source 5 in Section III for reference document. <div style="border: 1px solid black; padding: 2px;">ECCnet: The two-character ISO country code.</div>	O ID 2/3
N/U	N405	Location Qualifier Code identifying type of location NOT USED BY RETAIL INDUSTRY	C ID 1/2
N/U	N406	Location Identifier Code which identifies a specific location NOT USED BY RETAIL INDUSTRY	O AN 1/30

ECCnet Notes:

1. Only supported where N101 is "SU" and "II". Otherwise will be ignored.
2. See N1 notes.

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Segment: **G39** Item Characteristics - Vendor's Selling Unit

ECCnet:
SUPPORTED WHEN THE LIN UPC/EAN IS = UA, UE, UK, UP, EN, EO
(for case, module, pallet packaging levels)

Position: 283
Loop: LIN/G39 Usage: Optional Max Use: >1

ECCnet: The G39 may occur zero or one times per LIN loop.

Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

- Syntax Notes:**
- | | | |
|----|----------------|---|
| 1 | R0102 | At least one of G3901 or G3902 is required. |
| 2 | P0203 | If either G3902 or G3903 is present, then the other is required. |
| 3 | P050607 | If any of G3905 G3906 or G3907 is present, then all are required. |
| 4 | P0607 | If either G3906 or G3907 is present, then the other is required. |
| 5 | P0809 | If either G3908 or G3909 is present, then the other is required. |
| 6 | P1011 | If either G3910 or G3911 is present, then the other is required. |
| 7 | P1213 | If either G3912 or G3913 is present, then the other is required. |
| 8 | P1415 | If either G3914 or G3915 is present, then the other is required. |
| 9 | P1819 | If either G3918 or G3919 is present, then the other is required. |
| 10 | P2324 | If either G3923 or G3924 is present, then the other is required. |
| 11 | P2526 | If either G3925 or G3926 is present, then the other is required. |

Semantic Notes:
Comments:
Notes:

ITEM MAINTENANCE

This segment should be used to identify a vendor's selling unit, i.e. U.P.C. Case Code or U.P.C./EAN Shipping Container Code (SCC-14).

G3902/G3903 should be used to identify an item other than by U.P.C. Case Code (G3901).

When a new item is added (BCT10 contains code 02, or BCT10 contains code 00 and G5301 contains code 003) and is a permanent replacement for an existing item, the new item is identified in the LIN segment and G3901 or G3902/G3903. The product being replaced should be deleted in an additional LIN loop or separate 832 transaction set.

When a new item is added (BCT10 contains code 02) and is a temporary substitution for an existing item, the new item is identified in the LIN02/LIN03 and G3901 or G3902/G3903, and the substituted item identified in G3923/G3924.

This segment is used to specify the weight of the vendor selling unit by using G3905, G3906, and G3907. The volume (cube) of the vendor selling unit is specified by using G3914 and G3915.

The dimensions of the vendor selling unit may be specified by using G3908 through G3913.

This segment is used to specify the packaging of the item in the case or carton. There may be two levels of packaging specified. The first level is always specified by using G3917 (Pack). The first level may be actual items, i.e., consumer units, or it may be the number of smaller containers within the case. The second level, specified using G3927 (Inner Pack), is the number of eaches in each inner container when G3917 is the number smaller containers within the case. See Section V (Pack/Inner Pack Usage) for usage examples.

This segment can be used also to specify the type of packaging for the vendor selling unit by using G3928.

The codes listed for G3902 apply to both occurrences of Data Element 235 in the G39 segment. See Section III for complete U.P.C. and EAN code definitions.

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Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
G3901	438	U.P.C. Case Code Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5). See External Code Source 41 in Section III for reference document.	C AN 12/12
ECCnet: Only use this field if the LIN segment contains qualifier 'UA'. The case code here must exactly match the case code provided in the preceding LIN segment. If the packaging level is not "case" (i.e. – UA), then it will be defined in G3902/03, and G3901 will be null.			
G3902	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C ID 2/2
ECCnet: G3902 and G3903 must match the code and value for the UPC/EAN code format provided in the associated LIN segment. GDD: eanuccCodeType			
		EN	European Article Number (EAN) (Added in VICS 4040) EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN)
		EO	EAN-8 Code (Added in VICS 4040) EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN)
		UE	U.P.C./EAN Module Code (2-5-5)
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) Data Structure for the 14-digit EAN.UCC Global Trade Item Number (GTIN)
ECCnet: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit.			
		UP	U.P.C. Consumer Package Code (1-5-5-1) Data structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)
See External Code Source 41 in Section III for reference document.			
G3903	234	Product/Service ID Identifying number for a product or service	C AN 1/48
ECCnet: The Value must adhere to the UCC/EAN standards for the code specified by G3902. GDD: eanuccCode and globalTradeItemNumber			
G3904	152	Special Handling Code Code specifying special transportation handling instructions	O ID 2/3
		DNF	Do Not Freeze (Added in VICS 4020)
		EL	Environmental Control Limits (Added in VICS 4050)
		FL	Flammable (Added in VICS 4020)
		HM	Endorsed as Hazardous Material
		IC	Ice (Added in VICS 4030)
		MRF	Refrigerated
		OPR	Perishable (Added in VICS 4020)
		OSB	Stow Below Deck (Added in VICS 4020)
		OTC	Temperature Control
		PG	Poisonous Gas (Added in VICS 4020)
		PFH	Protect From Heat (Added in VICS 4020)
		PHR	Per Hour Rate Applies (Added in VICS 4050)

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		ECCnet: ZZZ Relative Humidity (Change request pending EC 1-106)	
G3905	395	Unit Weight Numeric value of weight per unit. Gross weight of the vendor's selling unit in G3901 or G3902/G3903	C R 1/8
		ECCnet: GDD: grossWeight	
G3906	187	Weight Qualifier Code defining the type of weight G Gross Weight	C ID 1/2
G3907	188	Weight Unit Code Code specifying the weight unit G Grams K Kilograms L Pounds O Ounces	C ID 1/1
G3908	65	Height Vertical dimension of an object measured when the object is in the upright position.	C R 1/8
		ECCnet: If provided the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: height	
G3909	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter	C ID 2/2
G3910	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position.	C R 1/8
		ECCnet: If provided the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: width	
G3911	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter	C ID 2/2
G3912	82	Length Largest horizontal dimension of an object measured when the object is in the upright position.	C R 1/8
		ECCnet: If provided the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions. GDD: depth	
G3913	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter (Added in VICS 4020) DM Decimeter (Added in VICS 4020) MM Millimeter MR Meter	C ID 2/2
G3914	183	Volume Value of volumetric measure.	C R 1/8

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		ECCnet:	
		If provided the value MUST be greater than zero >0. ECCnet maintains this field with up to 5 integer positions and 3 decimal positions.	
		GDD: volume	
G3915	355	Unit or Basis for Measurement Code	C ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
CC Cubic Centimeter			
CR Cubic Meter			
G3916	416	Pallet Block and Tiers	O NO 6/6
Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet.			
		ECCnet:	
		GDD: quantityOfTradeItemsContainedInACompleteLayer AND quantityOfCompleteLayersContainedInATradeItem	
G3917	356	Pack	O NO 1/6
The number of inner containers, or number of eaches if there are no inner containers, per outer container.			
U.P.C. CATALOG: MANUFACTURER PACK - The number of items in a manufacturer's package.			
G3918	357	Size	C R 1/8
Size of supplier units in pack.			
		ECCnet:	
		The size of the Consumer Unit. (Change request pending to open this field - EC 1-52).	
		GDD: netContent	
G3919	355	Unit or Basis for Measurement Code	C ID 2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.			
		ECCnet:	
		(Change request pending to open this field - EC 1-53)	
	AF	Centigram	(Added in VICS 4020)
	AM	Ampoule	(Added in VICS 4040)
	AR	Suppository	(Added in VICS 4040)
	AV	Capsule	(Added in VICS 4040)
	BF	Board Feet	
	BG	Bag	
	BO	Bottle	
	BX	Box	
	C3	Centiliter	
	CM	Centimeter	
	DC	Disk (Disc)	(Added in VICS 4040)
	DG	Decigram	
	DL	Deciliter	
	EA	Each	
	FG	Transdermal Patch	(Added in VICS 4040)
	FO	Fluid Ounce	(Added in VICS 4040)
	FZ	Fluid Ounce - Imperial	(Added in VICS 4040)
	F2	International Unit	(Added in VICS 4040)
	GN	Gross Gallons	(Added in VICS 4030)
	GR	Gram	
	IH	Inhaler	(Added in VICS 4040)
	JC	Caplet	(Added in VICS 4050)
	JL	Refill	(Added in VICS 4050)
	JN	Pan	(Added in VICS 4050)
	JS	Use	(Added in VICS 4050)
	JT	Tin	(Added in VICS 4050)
	JX	Exposure	(Added in VICS 4050)
	JV	Ovules	(Added in VICS 4050)

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			KG	Kilogram	
			KT	Kit	
			LT	Liter	
			ME	Milligram	
			ML	Millilitre	
			MM	Millimeter	
			MR	Meter	(Added in VICS 4040)
			OZ	Ounce – Av	
			PC	Piece	
			PD	Pad	(Added in VICS 4040)
			PH	Pack (PAK)	(Added in VICS 4040)
			PR	Pair	
			QB	Pages - Hardcopy	(Added in VICS 4040)
			SH	Sheet	(Added in VICS 4040)
			SZ	Syringe	(Added in VICS 4040)
			TB	Tube	(Added in VICS 4040)
			U2	Tablet	(Added in VICS 4040)
			VI	Vial	(Added in VICS 4040)
			Y4	Tub	(Added in VICS 4040)
			1N	Count	(Added in VICS 4040)
			12	Packet	(Added in VICS 4040)
			15	Stick	(Added in VICS 4040)
N/U	G3920	397	Color		O AN 1/10
			Free-form description of color. .		
			ECCnet:		
			Use PID segments instead to provide short and extended color descriptions		
N/U	G3921	398	Order Sizing Factor		O R 1/10
			A product specification other than gross or net weight, or cubic feet for a line item or transaction used for order sizing and pricing purposes.		
N/U	G3922	876	Alternate Tiers per Pallet		O ID 1/3
			Number indicating the alternate tiers per pallet structure; the three digits represent the number of tiers per pallet.		
	G3923	235	Product/Service ID Qualifier		C ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EN	European Article Number (EAN) EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN)	(Added in VICS 4040)
			EO	EAN-8 Code EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN)	(Added in VICS 4040)
			UE	U.P.C./EAN Module Code (2-5-5)	
			UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) Data Structure for the 14-digit EAN.UCC Global Trade Item Number (GTIN)	
			UP	U.P.C. Consumer Package Code (1-5-5-1) Data structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)	
	G3924	234	Product/Service ID		C AN 1/48
			Identifying number for a product or service.		
			ECCnet:		
			GDD: replacedTradeItemIdentification		
	G3925	187	Weight Qualifier		C ID 1/2
			Code defining the type of weight		
			N	Actual Net Weight	
	G3926	395	Unit Weight		C R 1/8
			Numeric value of weight per unit.		
			Net weight of the vendor's selling unit in the same unit of measure as G3907.		

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ECCnet:
ECCnet maintains this field with up to 5 integer positions and 3 decimal positions.
GDD: netWeight

A3	Shippers Weight	
B	Billed Weight	(Added in VICS 4040)
DR	Drained Weight	(Added in VICS 4040)
N	Actual Net Weight	

ECCnet:
T Tare Weight (Change request pending – EC 1-84)

U Weight per Unit – Do Not Use

G3927 810 Inner Pack O NO 1/6

The number of eaches per inner container.

ECCnet:
GDD: quantityOfInnerPack

G3928 103 Packaging Code O AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

ECCnet:
GDD: packagingTypeCode AND
packagingMaterialCode

Part 1		
AMM	Ammo Pack	
BAG	Bag	
BAL	Bale	
BBL	Barrel	
BDL	Bundle	
BEM	Beam	
BLK	Bulk	
BOT	Bottle	
BOX	Box	
	Box or carton	
CAN	Can	
CAS	Case	(Added in VICS 4020)
CHE	Cheeses	(Added in VICS 4050)
COL	Coil	
CYL	Cylinder	(Added in VICS 4020)
CRT	Crate	
DRM	Drum	
EGG	Egg Crating	(Added in VICS 4050)
EPR	Edge Protection	
JAR	Jar	(Added in VICS 4050)
KEG	Keg	
LNR	Liners	(Added in VICS 4020)
LSE	Loose	
PAL	Pail	
PKG	Package	
	Package, card, or blister card	
PLT	Pallet	
PWT	Plastic Wrapped Tray	(Added in VICS 4050)
REL	Reel	
ROL	Roll	
SPL	Spool	
SRW	Shrink Wrap	(Added in VICS 4050)
STW	Stretch Wrap	(Added in VICS 4050)
TBE	Tube	
TBN	Tote Bin	(Added in VICS 4020)
TNK	Tank	(Added in VICS 4020)
TRY	Tray	
TUB	Tub	

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WLC	Wheeled Carrier	
WRP	Wrapped	
	Part 2	
25	Corrugated or Solid	
	Corrugated or solid packaging does not require repackaging for shipment	
31	Fiber	
	Fiber packaging usually requires repackaging for shipment	
43	Glass	
58	Metal	
64	Molded Plastic	(Added in VICS 4050)
72	Paper – VCI	(Added in VICS 4050)
75	Plastic – Vacuum formed	(Added in VICS 4050)
76	Paper	(Added in VICS 4050)
77	Plastic – Structural Foam	(Added in VICS 4050)
78	Plastic – Injection Molded	(Added in VICS 4050)
71	Not otherwise specified	
79	Plastic	
86	Foam	(Added in VICS 4050)
ECCnet:		
89	Special	(Change request pending EC 1-88)
90	Standard	(Change request pending EC 1-88)
94	Wood	

ECCnet Notes:

1. When G3901 is used to transmit the U.P.C. Case Code, it must be identical to the U.P.C. Case code provided in the current LIN segment.
2. When G3901 is null, and G3902/03 are used to transmit the vendor selling unit U.P.C./EAN qualifier and code, it must be identical to the U.P.C./EAN code transmitted in the current LIN segment.
3. Do not provide both G3901 and G3902/03. If both are provided, the G39 segment will be rejected and not processed, with an appropriate error message being written to the vendor's Data Load Status Report.
4. When G3925/26 are provided in a G39 segment for "ADD or REPLACE", then G3905/6/7 must also be provided. When G3925/26 are provided in a G39 segment for "MODIFY", then G3905/6/7 must either already exist in the catalogue for this GTIN, OR be provided in the same G39 segment. Changes to weight should be for "correction purposes only" – UCC/EAN rules require a new GTIN to be assigned when product's weight changes.
5. When BCT01=PS (Price Sheet) this segment will be ignored inbound to the catalogue.
6. The G3904 is used to transmit storage instructions.
7. Depth, Height, Width, and Volume must be > 0.

Hardlines ECCnet Notes:

- 1 ECCNET always sets packagingMaterialCodeListMaintenanceAgency to 'VI' (VICS).
- 2 Gross weight is required if trade item is an orderable unit.

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Segment Example:

The trade item is a cardboard box of 12 packs of 8.5 x 11 white plain copy paper. Each pack contains 200 sheets. It has the following characteristics:

- eanuccCodeType UE
- eanuccCode 055100010084 (UPC-12 Module Code)
- GTIN 00055100010084
- Gross Weight 12 pounds (packaging included)
- Depth 15 inches
- Height 7.5 inches
- Width 24 inches
- Volume 2,700 cubic inches
- # Trade Items Per Layer 4 boxes
- # Layers Per Pallet 2 layers
- # Next Lower Level Trade Items 12 packs of paper
- # Eaches in Inner Pack 200 sheets
- Replaced GTIN 00055100010008
- Net Weight 10 pounds (packaging excluded)
- Packaging Type Box
- Packaging Material Corrugated cardboard

G39**UE*055100010084**12*G*L*15*IN*7.5*IN*40*IN*2700*CI*004002*12*200*EA****UP*055100010008*10*N**BOX25

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Segment: **PKL** Multi-Pack Configuration
Position: 285
Loop: LIN/PKL **Usage:** Optional **Max Use:** 20
Level: Detail
Usage: Mandatory
Max Use: 1

Purpose: To identify the package level, quantity of stock-keeping units (SKUs), and physical dimensions and weight of the package being defined

- Syntax Notes:**
- 1 **C0508** If PKL05 is present, then PKL08 is required.
 - 2 **C0608** If PKL06 is present, then PKL08 is required.
 - 3 **C0708** If PKL07 is present, then PKL08 is required.
 - 4 **L08050607** If PKL08 is present, then at least one of PKL05 PKL06 or PKL07 is required.
 - 5 **P0910** If either PKL09 or PKL10 is present, then the other is required.
 - 6 **P1112** If either PKL11 or PKL12 is present, then the other is required.

- Semantic Notes:**
- 1 PKL04 is the Stock Keeping Unit (SKU) quantity.
 - 2 PKL13 is used to designate whether the product identified in PKL02 is saleable by the manufacturer at that packaging level. Code "Y" indicates that the product is saleable by the manufacturer at that packaging level, and code "N" indicates that the product is not saleable by the manufacturer at that packaging level.

Notes: This segment is used to specify inner pack carton attributes, i.e., length, width and height, when there is no standard product identification associated with the inner pack.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PKL01	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PG Packaging Specification Number	M ID 2/2
>>	PKL02	234 Product/Service ID Identifying number for a product or service To satisfy syntax requirements, this data element will contain a single "X".	M AN 1/48
>>	PKL03	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
>>	PKL04	380 Quantity Numeric value of quantity The quantity of consumer units contained in an inner pack.	M R 1/15
	PKL05	65 Height Vertical dimension of an object measured when the object is in the upright position	C R 1/8
	PKL06	189 Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	C R 1/8
	PKL07	677 Item Depth The depth is the thickness of the product; in the dimension coordinate axes represented by X, Y and Z, depth is measured along the Z axis where X is the horizontal axis and Y is the vertical axis Length	C R 1/6
	PKL08	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CM Centimeter DM Decimeter	C ID 2/2 (Added in VICS 4020) (Added in VICS 4020)

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		MM MR	Millimeter Meter		
PKL09	384	Gross Weight per Pack		C	R 1/9
		Numeric value of gross weight per pack			
PKL10	355	Unit or Basis for Measurement Code		C	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		See Section III for code list.			
PKL11	385	Gross Volume per Pack		C	R 1/9
		Numeric value of gross volume per pack			
PKL12	355	Unit or Basis for Measurement Code		C	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		See Section III for code list.			
N/U	PKL13	1073	Yes/No Condition or Response Code	O	ID 1/1
			Code indicating a Yes or No condition or response.		
			NOT USED BY RETAIL INDUSTRY		

ECCnet Notes:

1. Only 1 PKL segment is supported per LIN loop, to specify 1 level of unmarked inner pack relating to the GTIN identified in the LIN segment.
2. If more than 1 PKL is transmitted, then only the last PKL provided will be stored with the GTIN number.
3. The only valid value for PKL03 is 'EA'. It is required.
4. When BCT01= PS (Price Sheet) this segment will be ignored inbound to the catalogue.

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Segment: **SLN** Subline Item Detail

Position: 350
Loop: LIN/SLN **Usage:** Optional **Max Use:** >1
Level: Detail
Usage: Mandatory
Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

1	P0405	If either SLN04 or SLN05 is present, then the other is required.
2	C0706	If SLN07 is present, then SLN06 is required.
3	C0806	If SLN08 is present, then SLN06 is required.
4	P0910	If either SLN09 or SLN10 is present, then the other is required.
5	P1112	If either SLN11 or SLN12 is present, then the other is required.
6	P1314	If either SLN13 or SLN14 is present, then the other is required.
7	P1516	If either SLN15 or SLN16 is present, then the other is required.
8	P1718	If either SLN17 or SLN18 is present, then the other is required.
9	P1920	If either SLN19 or SLN20 is present, then the other is required.
10	P2122	If either SLN21 or SLN22 is present, then the other is required.
11	P2324	If either SLN23 or SLN24 is present, then the other is required.
12	P2526	If either SLN25 or SLN26 is present, then the other is required.
13	P2728	If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

- A SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- B SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:

This segment is used to identify replacement U.P.C.'s, i.e., when a vendor has replaced an existing U.P.C. with another, the old U.P.C./Product ID/Color ID/Size ID should be specified in the SLN segment by using code S in SLN03 (the new U.P.C./Product ID/Color ID/Size ID is in the LIN segment).

Prepacks/setpacks and inner components of an outer container are identified in the LIN segment. To specify the contents of a prepack/setpack, use the SLN segment with code I in SLN03. When changing the contents of an existing prepack/setpack, use code D or code I in SLN03 to either delete an existing U.P.C. or include a new U.P.C. to the prepack/setpack or inner component.

If SLN03 contains code D or code I, then SLN04 and SLN05 are required.

The codes listed for SLN09 apply to every occurrence of Data Element 235 in the SLN segment. See Section III for complete U.P.C. and EAN code definitions.

ECCnet:

The Configuration Code (SLN03), quantity (SLN04), and unit-of-measure (SLN05) are required for all SLN segments.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SLN01 350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	M AN 1/20
		<u>ECCnet:</u> Ignored inbound, generated outbound as sequence number.	

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	SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. NOT USED BY RETAIL INDUSTRY	O AN 1/20
>>	SLN03	662	Relationship Code Code indicating the relationship between entities D Delete	M ID 1/1
			ECCnet: Used to delete existing SLN's from the current LIN (i.e. – delete components of the GTIN specified in the LIN)	
			I Included U.P.C. CATALOG: PREPACK/SETPACK BREAKDOWN – Each component U.P.C. is represented by the U.P.C. number and the quantity of this U.P.C. in the prepack/setpack	
			ECCnet: Each component is represented by its GTIN number and the quantity and UOM contained in the outer packaging level. S Substituted	
			ECCnet: Used when the new GTIN specified in the LIN replaces the old GTIN specified in the SLN. Only valid when the SLN contains a GTIN number (not valid for “multipacks” where SLN does not contain a GTIN number).	
ECCnet: }}	SLN04	380	Quantity Numeric value of quantity The quantity of components identified by the SLN, that are contained within the outer packaging level identified in the LIN segment.	C R 1/15
			ECCnet: GDD: quantityOfNextLowerLevelTradeItem	
	SLN05	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	C
>>	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken See Section III for code list.	M ID 2/2
			ECCnet: CA Case EA Each	
N/U	SLN06	212	Unit Price Price per unit of product, service, commodity, etc. NOT USED BY RETAIL INDUSTRY	C R 1/17
N/U	SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item NOT USED BY RETAIL INDUSTRY	O ID 2/2
N/U	SLN08	662	Relationship Code Code indicating the relationship between entities NOT USED BY RETAIL INDUSTRY	O ID 1/1
	SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). ECCnet: GDD: eanuccCodeType	C ID 2/2

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ECCnet:
FOR PREPACKS and SETPACKS (assortments)

- ❑ When the SLN contains a GTIN number, then only subsequent input of Relationship Code, Quantity, and UOM are allowed. These fields are required. An SLN GTIN number is required, and must be one of the types listed below.
- ❑ The LIN segment previously transmitted representing the SLN GTIN's provides the detailed attributes about the GTIN and these must not be duplicated in SLN segments.

FOR SPECIFYING INNER COMPONENTS OF AN OUTER PACK

The SLN must provide a GTIN number. Relationship Code, Quantity, and UOM are required. Do not specify any other information in the SLN; it will be ignored, as it is available at the LIN level for each component definition.

EN	European Article Number (EAN) (2-5-5-1) EAN/UCC-13 Data Structure for the 13-digit EAN.UCC Global Trade Item Number (GTIN)
EO	EAN-8 Code (Added in VICS 4040) EAN/UCC-8 Data Structure for the 8-digit EAN.UCC Global Trade Item Number (GTIN)
U2	U.P.C. Shipping Container Code (1-2-5-5) A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code See Code Source 41.

ECCnet:

U8	U.P.C.-8 Consumer Unit Code (Change request pending EC 1-101)
UA	U.P.C./EAN Case Code (2-5-5)
UD	U.P.C./EAN Consumer Package Code (2-5-5) See Code Source 41.
UE	U.P.C./EAN Module Code (2-5-5) (Added in 4040)
UG	Drug U.P.C. Consumer Package Code (1-4-6-1) A specific instance of the Universal Product Code that uses a 4-digit manufacturer identifier code and a 6-digit product code See Code Source 41.
UH	Drug U.P.C. Shipping Container Code (1-2-4-6-1) A specific instance of the U.P.C. Shipping Container Code that uses a 4-digit manufacturer identifier code and a 6-digit product code See Code Source 41.
UI	U.P.C. Consumer Package Code (1-5-5) See Code Source 41.
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) Data Structure for the 14-digit EAN.UCC Global Trade Item Number (GTIN)
UP	U.P.C. Consumer Package Code (1-5-5-1) Data structure for the 12-digit EAN.UCC Global Trade Item Number (GTIN). Also known as the Universal Product Code (U.P.C.)

	234	Product/Service ID	C AN 1/48
		Identifying number for a product or service	

ECCnet:
The Value must adhere to the UCC/EAN standards for the code specified by SLN09.
GDD: tradeItemIdentificationOfNextLowerLevelTradeItem (eanuccCode)

N/U	235	Product/Service ID Qualifier	C ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	

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N/U	SLN12	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN14	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN16	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN18	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN20	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN22	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN24	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN26	234	Product/Service ID Identifying number for a product or service	C	AN 1/48
N/U	SLN27	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID 2/2
N/U	SLN28	234	Product/Service ID Identifying number for a product or service	C	AN 1/48

ECCnet Notes:

Inbound to ECCnet:

1. If the SLN contains a GTIN number, then only one SLN09/10 field pair containing the GTIN number will be allow in the SLN segment, in addition to the relationship code, quantity, and UOM.
2. When BCT01= PS (Price Sheet) this segment will be ignored inbound to the catalogue.
3. The next lower level trade item being defined in an SLN segment must already exist as a stand-alone trade item in your ECCNET catalogue, before you can define it as a component of another trade item.
4. The GTIN number being referenced in the SLN segment must already exist as a standalone GTIN in ECCnet.

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Segment Example:

The trade item identified in the LIN segment contains 2 next lower level GTINs---quantity 6 of trade item 055100010121 and quantity 12 of trade item 055100010169.

```
SLN*1***I*6*EA***UP*055100010121~  
SLN*1***I*12*EA***UP*055100010169~
```

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Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
 1 **P0304** If either CTT03 or CTT04 is present, then the other is required.
 2 **P0506** If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: A This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	CTT01	354	Number of Line Items Total number of line items in the transaction set The number of LIN segments present in the transaction set	M NO 1/6
N/U	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. NOT USED BY RETAIL INDUSTRY	O R 1/10
N/U	CTT03	81	Weight Numeric value of weight NOT USED BY RETAIL INDUSTRY	C R 1/10
N/U	CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY RETAIL INDUSTRY	C ID 2/2
N/U	CTT05	183	Volume Value of volumetric measure NOT USED BY RETAIL INDUSTRY	C R 1/8
N/U	CTT06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken NOT USED BY RETAIL INDUSTRY	C ID 2/2
N/U	CTT07	352	Description A free-form description to clarify the related data elements and their content NOT USED BY RETAIL INDUSTRY	O AN 1/80

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Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: A SE is the last segment of each transaction set.

Data Element Summary

Ref. <u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96 Number of Included Segments	M NO 1/10 Total number of segments included in a transaction set including ST and SE segments
>>	SE02	329 Transaction Set Control Number	M AN 4/9 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This must be the same number as is in the ST segment (ST02) for the transaction set.

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Segment: **GE** Functional Group Trailer

Purpose: To indicate the end of a functional group and to provide control information

Semantic: 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments: A The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	GE01	97 Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element The number of ST segments within the group.	M NO 1/6
>>	GE02	28 Group Control Number Assigned number originated and maintained by the sender This must be the same number as is in the GS segment (GS06) for the group.	M NO 1/9

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Segment: **IEA** Interchange Control Trailer

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>> IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange The number of GS segments within the transmission.	M NO 1/5
>> IEA02	I12	Interchange Control Number A control number assigned by the interchange sender This must be the same number as is in the ISA segment (ISA13) for the transmission.	M NO 9/9

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Appendix A

Example 1: Item/Inner/Case Scenario. Add Transaction

ISA*00* *00* *ZZ*0068780050295 *ZZ*UPCEXPDATA
*010726*1455*U*00401*000000005*O*P*^
GS*SC*0068780050295*UPCEXPDATA*20010726*1455*1*X*004010VICS
ST*832*0001
BCT*RC*0068780050295*200*****Soups*02
CUR*SE*CAD
LIN*1*UP*063211005509
DTM*018*19960523
DTM*043*20010724
DTM*092*19960523
PID*F*TRN***Campbell's Chunky****EN
PID*F*08***BOEUF CHUNKY****FR
PID*F*08***CHUNKY BEEF****EN
PID*S*05*VI*000147
MEA*TI*EPL*730*DA
G55*UP*063211005509***11.56*CM*8.64*CM*8.64*CM***1*540.00*ML
LIN*2*UP*063211061222 **Inner containing 6 cans of soup - see LIN1**
DTM*018*19960523
DTM*043*20010724
DTM*092*19960523
PID*F*TRN***Campbell's Chunky****EN
PID*F*08***BOEUF CHUNKY****FR
PID*F*08***CHUNKY BEEF****EN
PID*S*05*VI*000147
MEA*TI*EPL*730*DA
G55*UP*063211061222***11.56*CM*17.28*CM*25.92*CM***6*540.00*ML
SLN*1**I*6*EA***UP*063211005509
LIN*3*UK*10063211061229 **Case containing 4 Inners - see LIN6**
DTM*018*19980414
DTM*043*20010724
DTM*092*19980414
PID*F*TRN***Campbell's Chunky****EN
PID*F*08***BOEUF CHUNKY****FR
PID*F*08***CHUNKY BEEF****EN
PID*S*05*VI*000147
G39**UK*10063211061229**35.50*G*K*9.25*CM*10.25*CM*13.63*CM*0.747*CR*014005*4*****N*35.50*6
SLN*2**I*4*EA***UP*063211061222
CTT*3
SE*36*0001
GE*1*1
IEA*1*000000005

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Example 2: Case - Replace Transaction

ISA*00* *00* *ZZ*0068780050295 *ZZ*UPCEXPDATA *010726*1455*U*00401*000000005*O*P*^
GS*SC*0068780050295*UPCEXPDATA*20010726*1455*1*X*004010VICS
ST*832*0001
BCT*RC*0068780050295*200*****Soups*05 **Replace**
CUR*SE*CAD
LIN*1*UK*10063211000112 **Case containing 48 cans of soup**
DTM*018*19980720
DTM*043*20010724
DTM*092*19980720
PID*F*TRN***Campbell's Condensed****EN
PID*F*08***TOMATES****FR
PID*F*08***TOMATO****EN
PID*F*BND***000147
G39**UK*10063211000112**37.30*G*K*7.88*CM*10.88*CM*16.25*CM*0.806*CR*010007*48*****N*37.30
SLN*1**I*48*EA****UP*063211000115
CTT*1
SE*15*0001
GE*1*1
IEA*1*000000005

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Example 3: Hardlines Transaction – This example is for the trade item that is both the consumer unit and the orderable unit.

```
ISA*00*          *00*          *ZZ*0068780050295 *ZZ*GPC493832 *040806*1455*U*00401*000000084*O*P*^
GS*SC*0068780050295*GPC493832*20040806*1618*1*X*004010VICS
ST*832*0001
BCT*RC*0068780050295*006*****ABL CSV TEST*02
LIN*1*UP*068780589214*MN*225
DTM*152*20040528
DTM*440*20040528
DTM*018*20040528
PID*S*12*VI*BU
PID*S*12*VI*CU
PID*S*12*VI*DU
PID*S*12*VI*EA
PID*S*12*VI*OU
PID*S*12*VI*IU
PID*S**VI*AJ
PID*F*35***X
PID*S*05*UD*38.0289.0000
PID*F*TRN***TESTINC ****EN
PID*F*67***TEST****EN
PID*F*GEN***TESTLONG****EN
PID*F*08***TESTshort****EN
PID*F*DAC***DFC
MEA*BD**1*BG
PKG*S*34*VI*M34
LDT*AE*10*DA
G55*UP*068780589214***2.00*IN*2.00*IN*2.00*IN*8*CI*1*1.0*EA*****6*G*O*6*N*O*****BAG
N1*9C*Target Market Country Code*38*124
N1*CT**38*CA
N1*MF**UL*0068780050295
CTT*2
SE*29*0001
GE*1*1
IEA*1*000000084
```

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Example 4: Hardlines Transaction – Item and Case.

Hierarchy – In this example the item UPC is flagged as the consumer unit and the case SCC14 is flagged as the orderable unit.

```
ISA*00*          *00*          *ZZ*0068780050295 *ZZ*GPC493832 *040806*1455*U*00401*000000095*O*P*^
GS*SC*0068780050295*GPC493832*20040806*1618*1*X*004010VICS
ST*832*0001
BCT*RC*0068780050295*006*****ABL Five BRIDGE TEST*05
LIN*1*UP*068780787870*MN*123
DTM*018*20040728
PID*F*08***ABL ENGLISH***EN
PID*F*08***ABL FRENCH***FR
PID*S*12*VI*CU
PID*S*12*VI*BU
PID*S*12*VI*EA
PID*S*12*VI*OU
PID*S*05*UD*01.0164.0965
PID*F*35***X
PID*F*TRN***Brand Name***EN
PID*F*09***subbrand***EN
PID*F*77***tradeitemfinish
PID*S*08*VI*RC
PID*F*35***X
PID*F*VR***variant***EN
PID*F*WD***warranty description***EN
PID*F*UR***warranty URL
PID*F*DAC***CFA
MEA*PD*DP*12*CM
MEA*PD*HT*12*CM
MEA*PD*WD*12*CM
MEA**D6*25*IN
MEA**D8*25*IN
MEA*CT*NH*24*EA
MEA*PS*MX*50*KG**100
MEA*CM*NU*1*FT
MEA*BD**1*BX
PKG*X**VI*MES*O
TD4**U*0004
LDT*AE*2*DW
G55*UP*068780787870***12.56*CM*9.64*CM*9.64*CM*1000*CC*1*540.00*ML*****20*G*G*16*N*G
N1*HA*Test Brand Owner*UL*0068780050295
LIN*2*UK*10068780787877
DTM*018*20040725
PID*F*08***test***EN
PID*F*08***test***FR
PID*S*12*VI*CA
PID*F*DAC***CFA
PID*S*05*UD*01.0164.0965
PID*F*35***X
PID*F*TRN***Brand Name***EN
PID*F*09***subbrand***EN
PID*F*77***tradeitemfinish
PID*S*08*VI*RC
PID*F*35***X
PID*F*VR***variant***EN
PID*F*WD***warranty description***EN
PID*F*UR***warranty URL
MEA*PD*DP*12*CM
```

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MEA*PD*HT*12*CM
MEA*PD*WD*12*CM
MEA**D6*25*IN
MEA**D8*25*IN
MEA*CT*NH*24*EA
MEA*PS*MX*50*KG**100
MEA*CM*NU*1*FT
PKG*X*34*VI*MES*O
PKG*X*34*VI*LES*E~
TD4**U*0004
LDT*AE*2*DW
N1*HA*Test Brand Owner*UL*0068780050295
G39**UK*10068780787877**6.85*G*K*23.49*CM*31.11*CM*44.45*CM*.032*CR*008005*4*24*GR*****N*4.65
SLN*1**I*4*EA****UP*068780787870
CTT*2
SE*68*0001
GE*1*1
IEA*1*000000095