

White Paper

Legacy Data Fields

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Executive Summary

The Industry Data Warehouse (IDW) was formed to provide a central repository for synchronized data provided by electrical manufacturers. It is recommended that updates occur minimally on a daily basis. Care has been taken to solicit industry wide input into the design of this repository, a design that needs to carry the industry into the new electronic age. The goal is to have the data in the Distributor's system match the data in the manufacturer's system.

In addition to this desire to support the future, we need to also concentrate on supporting the present. It is only in detailed support of the present that we may begin a migration to the future.

The term "Legacy" refers to the IDW fields that are used to cross reference five specific Trade Service Corporation fields.

This paper discusses the need to solicit both manufacturer and distributor support of these "Legacy" fields of data that have been added to the IDW. It is through this cooperation that IDEA members can support this movement. This cooperative effort to synchronize data will result in increased efficiency and the reduction of total channel costs.

Current Business Model

In the current industry model, most distributors purchase manufacturer's product information from Trade Service Corporation. This paper discusses the need for the IDW to provide the same information format contained in the traditional industry updates. By supporting the standard Trade Service Corporation ("Legacy") formats, these distributors will be able to participate in the IDW immediately.

Once participating, the manufacturer members are encouraged to increase the amount and the quality of the data being shared through the IDW. The distributor members are encouraged to evolve their administrative systems to take further advantage of this data provided by the IDW solution.

Legacy Data Fields

The legacy data fields have been defined and provided within the IDW. To assist manufacturers in the supplying of this information, the legacy fields were added to the IDW Administrative Web site forms to allow the IDW software to formulate or retrieve values for these fields.

Legacy fields were added to the Product Descriptor Database document in order to provide a set of definitions consistent with the implementation of the IDW. In addition the fields were added to the appropriate IDW update transaction (B1 – Item Information or the B5 – Pricing Information). If the manufacturer chooses to supply the value of each or any of the legacy fields in the update transactions, then the information will be placed directly into the IDW.

The following fields have been added to the Product Descriptor Database field definition document:

PDD FIELD NAME	NEMA #	PDD Description
Legacy Description	5.500	2 to 10 character supplier abbreviation, followed by a blank, followed by a catalog number, followed by a blank, followed by a description.
Legacy Commodity Code	5.510	This is the traditional grouping of products into common categories for purpose of reporting. (This must be a valid value from the Trade Service Commodity Code table and should represent the item at its most detail level. Refer to the IDW Administrative Web site.)
Legacy Cash Discount Percent	5.520	This is the traditional standard cash discount percent associated to an item.
Legacy Zone Number Code	8.125	This is the traditional pricing zone code.
Legacy Column Number	8.300.34	Cross-reference from the manufacturer assigned class of trade code to the traditional column 1, column 2, or column 3 price codes. L = List Price, T1 = Trade Price Column 1, T2 = Trade Price Column 2, T3 = Trade Price Column 3, and C = Published Distributor Cost

The following fields have been added to the Administrative Forms on the IDW Administrative Web site:

PDD Field Name	Web site field name	How to access the codes on the Web site.
Legacy Commodity Code	TSC Commodity Code	Code Table Maintenance TSC Commodity Codes Cross Reference
Legacy Cash Discount Percent		Note: It has been requested to add this to the IDW Administrative Web site.
Legacy Zone Number Code	TSC Zone Code	Code Table Maintenance TSC Zone Code Cross Reference
Legacy Column Number	TSC Column Code	Code Table Maintenance TSC Price Column Codes Cross Ref

IDW Processing Rules to Assist Manufacturers

- 1) Legacy Description Each time a B1 (Item Information) record is received from a manufacturer, when the Legacy Description is null then the IDW will attempt to retrieve a Trade Service provided description from data that has been previously downloaded from Trade Service. If no matching record is found, then the IDW attempts to create the Legacy Description in accordance to the PDD description. (NEMA 5.500)
- 2) Legacy Commodity Code Each time a B1 (Item Information) record is received from a manufacturer, when the Legacy Commodity Code field within the record is null, then the IDW will attempt to look up the Commodity code by using the Seller Class Code and the Seller Subclass Code, retrieving the value from the IDW Administrative Web site. If no cross-reference value exists then the record will fail scrubbing. (NEMA 5.510)
- 3) Legacy Cash Discount Percent Each time a B1 (Item Information) record is received from the manufacturer, when the Legacy Cash Discount Percent field within the record is null, then the IDW will use the Legacy Cash Discount Percent value established by the manufacturer on the IDW Administrative Web site. If no cross-reference value exists then the record will fail scrubbing. (NEMA 5.520)

- 4) Legacy Zone Number Code Each time a B5 (Pricing Information) record is received from the manufacturer, when the Legacy Price Zone Code field within the record is null, then the IDW will attempt to look up the Legacy Price Zone Code from the values on the IDW Administrative Web site. The IDW Web site permits the manufacturer to relate the Legacy Price Zone Code (NEMA 8.125) to the IDW Pricing Zone Code (NEMA 8.120). **If no cross-reference value exists then the record will fail scrubbing.**
- 5) Legacy Column Number This column has been added to provide the ability for the IDW or it's extract partners to map IDW pricing columns to the traditional Trade Service format. Each time a B5 (Pricing Information) record is received from the manufacturer, when the Legacy Column Number field (NEMA 8.300.34) within the record is null, then the IDW will attempt to look up the Legacy Column Number from the values on the IDW Administrative Web site. The IDW Web site permits the manufacturer to relate the Legacy Column Number to the IDW Price Column Code. (On the Web site it is labeled "TSC Column Code" and "Price Column Code".)

Legacy Price Fields

The most complex component in the support of the legacy formats is the issue of legacy pricing. The Trade Service format provided for five price columns: List Price, Trade Column 1, Trade Column 2, Trade Column 3, and Distributor Cost. After detailed discussions with both distributors and manufacturers, it was determined that a specific definition for the use of these five columns does not exist across the industry. That is, one manufacturer may choose to supply data in one or more of the price columns and it may or may not agree with how another manufacturer defines the price columns. To account for this, distributor systems have mapped this data from the legacy price columns into their administrative systems. The mapping may often be specific to the manufacturer.

The goal is to support the existing method of processing. Therefore it is not as important to attempt to place a definition on each of the price columns at this time. It is however imperative that we assure that the data that comes out of the IDW in the traditional format, look like the data that is currently provided by the existing Trade Service updates.

Manufacturer's Responsibility

Manufacturers are responsible for comparing their data currently provided from Trade Service, to the data provided from the IDW in Trade Service's format for compatibility. This can be done by purchasing the data directly from Trade Service, or by working with distributor partners and with the IDW software provider, CCI-Triad Corporation.

Sunset Date

At the current time the IDW is in startup mode and no sunset date for the use of Legacy fields has been discussed.

Example Use of the IDW for Legacy Data

The following are examples of the suggested use of the IDW to pass data compatible with the legacy Trade Service format. Each example is composed of three tables: 1) Trade Service Data, 2) IDW Data, and 3) IDW Administrative Web site fields used in mapping the legacy columns.

Trade Service Format

Example 1: Company that provides List Price, Column 3 Price, and Distributor Cost

Cat ID	Description	List Price	Trade Column 1		Trade Column 2		Trade Column 3		Cost
			Qty	Price	Qty	Price	Qty	Price	
100	Widget 1	5.00					2.00	1.00	

IDW Format

NEMA #	Field Name	Data loaded into the IDW				
		List	Sell	Buy		
	Price Column Code	List Price	Suggested Sell Price	Distributor Cost		
	Price Column Desc	5.00	2.00	1.00		
	Price	EA	EA	EA		
	Price UOM	NETPP0	NETPP1	NETPC0		
	Type of Price	NECTUSR	NECTUSR	NECTDIS		
	Class of Trade	L	T3	C		
	Legacy Column Number					
	Price Break Type					
	Price Break UOM					
	Price Break Column No					
	Price Break Beginning Qty					
	Price Break Ending Qty					

IDW Administrative Web site

Onetime setup of the column mapping to legacy fields.

Price Column Code	TSC Column Code
List	L
Sell	T3
Buy	C

Comments

This is a format common among many manufacturers. It shows the use of three columns of data. In this example the company code to encode their columns with the internal name of “List”, “Sell”, or “Buy”. Remember it does not matter what the names are because the manufacturer to point to the columns only uses them. The usage of the column is determined by the interpretation of the “Type of Price”, the “Class of Trade”, and the “Legacy Column Number”.

Trade Service Format

Example 2: Company that has all five legacy columns and associated quantity levels.

Cat ID	Description	List Price	Trade Column 1		Trade Column 2		Trade Column 3		Cost
			Qty	Price	Qty	Price	Qty	Price	
100	Widget 1	5.00	1	4.50	10	3.00	100	2.00	1.00

IDW Format

Data in IDW Representation						
NEMA #	Field Name	Data loaded into the IDW				
	Price Column Code	List	Col 1	Col 2	Col 3	Buy
	Price Column Desc	List Price	Col 1 Price	Col 2 Price	Col 3 Price	Distributor Cost
	Price	5.00	4.50	3.00	2.00	1.00
	Price UOM	EA	EA	EA	EA	EA
	Type of Price	NETPP0	NETPP1	NETPP2	NETPP3	NETPC0
	Class of Trade	NECTUSR	NECTUSR	NECTUSR	NECTUSR	NECTDIS
	Legacy Column Number	L	T1	T2	T3	C
	Price Break Type		Q	Q	Q	
	Price Break UOM		EA	EA	EA	
	Price Break Column No		1	2	3	
	Price Break Beginning Qty		1	10	100	
	Price Break Ending Qty		9	99		

IDW Administrative Web site

Onetime setup of the column mapping to legacy fields.

Price Column Code	TSC Column Code
List	L
Col 1	T1
Col 2	T2
Col 3	T3
Buy	C

Comments

In this example, all five columns of pricing are used as well as associated quantities for the trade columns.

Trade Service Format

Example 3: Company that has all five legacy columns to designate market Prices.

Cat ID	Description	List Price	Trade Column 1		Trade Column 2		Trade Column 3		Cost
			Qty	Price	Qty	Price	Qty	Price	
100	Widget 1	5.00		4.50		3.00		2.00	1.00

IDW Format

Data in IDW Representation						
NEMA #	Field Name	Data loaded into the IDW				
	Price Column Code	List	Col 1	Col 2	Col 3	Buy
	Price Column Desc	List Price	Col 1 Price	Col 2 Price	Col 3 Price	Distributor Cost
	Price	5.00	4.50	3.00	2.00	1.00
	Price UOM	EA	EA	EA	EA	EA
	Type of Price	NETPP0	NETPP1	NETPP2	NETPP3	NETPC0
	Class of Trade	NECTUSR	NECTCON	NECTCOM	NECTIND	NECTDIS
	Legacy Column Number	L	T1	T2	T3	C
	Price Break Type					
	Price Break UOM					
	Price Break Column No					
	Price Break Beginning Qty					
	Price Break Ending Qty					

IDW Administrative Web site

Onetime setup of the column mapping to legacy fields.

Price Column Code	TSC Column Code
List	L
Col 1	T1
Col 2	T2
Col 3	T3
Buy	C

Comments

In this example, the trade columns are used to express market prices. Note the Class of Trade field designates that Trade Column 1 is used for Contractor Price, Trade Service Column 2 is used for Commercial Price, and Trade Service Column 3 is used for Industrial Price.

Trade Service Format

Example 4: Company that has all five legacy columns with pricing based on monetary order value.

Cat ID	Description	List Price	Trade Column 1		Trade Column 2		Trade Column 3		Cost
			Qty/\$	Price	Qty/\$	Price	Qty/\$	Price	
100	Widget 1	5.00	1	4.50	150	3.00	500	2.00	1.00

IDW Format

Data in IDW Representation

NEMA #	Field Name	Data loaded into the IDW				
		List	Col_1	Col_2	Col_3	Buy
	Price Column Code	List Price	Col 1 Price	Col 2 Price	Col 3 Price	Distributor Cost
	Price Column Desc	5.00	4.50	3.00	2.00	1.00
	Price	EA	EA	EA	EA	EA
	Price UOM	NETPP0	NETPP1	NETPP2	NETPP3	NETPC0
	Type of Price	NECTUSR	NECTUSR	NECTUSR	NECTUSR	NECTDIS
	Class of Trade	L	T1	T2	T3	C
	Legacy Column Number		V	V	V	
	Price Break Type		EA	EA	EA	
	Price Break UOM		1	2	3	
	Price Break Column No		1	150	500	
	Price Break Beginning Qty		149	499		
	Price Break Ending Qty					

IDW Administrative Web site

Onetime setup of the column mapping to legacy fields.

Price Column Code	TSC Column Code
List	L
Col_1	T1
Col_2	T2
Col_3	T3
Buy	C

Comments

This example shows how to associate trade column pricing with dollar purchases. Note that in both the Trade Service format and the IDW format the field that normally represents a quantity for a quantity price break is also used to represent the monetary amount when describing dollar breaks.