DATAWORKS

IMPORT & EXPORT FORMATS

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TABLE OF CONTENTS

INTRODUCTION

This document contains file layouts for DataWorks™, DataWorks' windows-based inventory control system.

To avoid confusion a DataWorks "Export" format is data being sent FROM DataWorks. An "Import" format is data being sent TO DataWorks.

Our basic hand-shaking premise for file drops is this. Once we import a file, we remove it from the Import Directory. When we export a file, we assume that you will remove the export file after it has been processed. Please read the **Export General Information** section below for more about handshaking.

DataWorks' Import and Export system supports three types of file formats: CDF, XML and our older row denoted, pipe-delimited (RDPD) format. All sub-systems support our proprietary RDPD format. Some sub systems, like accounts payable, have all three formats available for use.

DataWorks' import and export file were first designed around a company-specific row-denoted, pipe delimited (RDPD) structure. First published in 1996, these formats predate formats like XML and were constructed to aid with self-documentation and data integrity. Our RDPD format is the most used standard.

DataWorks has introduced some standards built with industry-typical CDF (Comma Delimited File) formats. DataWorks scrubs its CDF export files of any stray commas or quotation marks. It is the responsibility of the designer to supply "clean" CDF import files to DataWorks. Not all sub-systems support CDF schemas.

A warning to the designer:

Do not write an import routine of DataWorks data by parsing field values from fixed positions within a file. Parse our exports by counting the delimiters to determine the field. If you take the shortcut of parsing a field from a fixed start position with a fixed length, we cannot guarantee your routine will provide version compatibility.

The designer will find that our newest layouts are based on XML formats. Our standard delivery method is to package one or more fixed named XML files inside a uniquely named zip file. As we add additional functionally to our XML exports, additional tables and fields might be added. Field names and types will always be preserved but additional fields and longer fields lengths are very possible.

A new version of a standard represents that additional fields have been added to the format. DataWorks preserves field type and position within its CDF and RDPD formats. Field name and Type is maintained within its XML formats. Bottom Line--Field Lengths will change.

To download file examples, please see: **DataWorks Import & Export Examples**

DATAWORKS RDPD FORMAT

These are the common features of the DataWorks' row-denoted, pipe-delimited (RDPD) file format. The Pipe symbol (|) is used as the field delimiter.

Each file starts with a Batch number, a Header record <*HDR*> with the Version number as a suffix and concludes with a Trailer Record <*TRL>, followed by a pipe and then the Record count. The Record Count (RecCnt, N, 10) includes Header and Trailer records.

Each line of the file is denoted with a marker instruction. There is always only one Transaction Header Record. There are typically multiple Transaction Detail records.

Legend of Denoted Rows

Column	Type	Comments	Additional Info
B1	Batch Number	Auto Generated	
HD1	<*HDR#>	File Section Header Row	Export Type Marker *Includes File Type prefix and # Version Number suffix
H1	<H>	Transaction Header Row	Fixed Marker <H>
D1	<D>	Transaction Detail Row	Fixed Marker <D>
TR1	<*TRL#>	File Section Trailing Row	Export Type Marker *Includes File Type prefix, # Version Number suffix
TR2	RecCnt	N,10	Record Count is separated by a pipe and includes Number of Rows written to file during an export.

EXPORTS

EXPORT GENERAL INFORMATION

When we export a file, we assume that our business partner will remove the export file after it has been processed. This handshake is important, because when we export a fixed-named file we will append to the existing file rather than overwrite it.

With all RDPD files, the first line of the file will contain this internal batch counter number. The designer can expect that the number will increase by one for each subsequent batch. The designer can use this to track if all batches have been accounted for and that all exports have been created successfully.

Traditionally our export file names have used fixed MS-DOS 8.3 files names. “APExport.txt” and “ICExport.txt” are examples of this convention. In our newer formats you will see we are starting to use unique names that are constructed with a static header followed by a batch number and a date-time value. A file like “AP_000012_20051225.ZIP” is an example.

Our procedures for exporting are:

- Does the file exist?
- If **NO**, we increment our internal batch counter.
    - Create a new file.
    - Write the batch number followed by the Header record <*HDR> into the file.
- If **YES**, the file is opened.
    - The header record <*HDR> is appended to the end of the file.

Because of this methodology it is possible that the designer will encounter multiple exports in one file. This is evident when a Trailing record <*TRL> is followed immediately by a new Header <*HDR> record. Let’s dissect the following AKA export file and examine its’ anatomy:

189
<AKAHDR2.0>|10/18/2020|13:37:09
<D>|104403|1|A|POLO RALPH LAUREN CORPORATION|01/01/1900|5|GOLF MENS TOPS|0404413|NYM Jersey Shirt|Green|L||EA|0|0|41.25|41.141|89.00|F
<AKATRL2.0>|4
<AKAHDR2.0>|10/18/2020|15:37:09
<D>|104391|1|E|POLO RALPH LAUREN CORPORATION|01/01/1900|5|GOLF MENS TOPS|01499|Baby Cable Sweater|Cream|S||EA|0|0|49.00|46.632|98.00|F
<AKATRL2.0>|3
<AKAHDR2.0>|10/30/2020|08:55:53
<AKATRL2.01>|2

File Anatomy Line by Line

Line	Contents	Description
1	189	This is the 189th creation of this file by DataWorks
2	<AKAHDR2.0>|10/18/2020|13:37:09	Header Record for Version 2.0 of the AKAExport and two fields needed in this export.
3-4	<D>|104403|1|A|POLO RALPH LAUREN CORPORATION|01/01/1900|5|GOLF MENS TOPS|0404413|NYMJersey Shirt|Green|L||EA|0|0|41.25|41.141|89.00|F	Detail of a New 'A'-dd SKU and Barcode record
5	<AKATRL2.0>|4	End of Export. A Total of 4 Lines written.
6	<AKAHDR2.0>|10/18/2020|15:37:09	Start of another Export. Same day, but 2 hours later.
7-8	<D>|104391|1|E|POLO RALPH LAUREN CORPORATION|01/01/1900|5|GOLF MENS TOPS|01499|Baby Cable Sweater|Cream|S||EA|0|0|49.00|46.632|98.00|F	Details of 'E'-dited SKU and Barcode records.
9	AKATRL2.0>|3	End of Export. 3 lines written to file.
10	<AKAHDR2.0>|10/30/2020|08:55:53	Another Export. 12 days later.
11	<AKATRL2.0>|2	End of Export. 2 Lines with no data written

INVENTORY EXPORTS

Note that two versions of the Inventory Export exist Version 2.0 has expanded field lengths, and new fields have been added to the end of the detail line. Version 3.0 retains the legacy of the first 19 columns of data that were in Version 2, and then expands upon it with an addition of 37 fields that give more capability and flexibility for POS integration. With Version 3, the integration can ignore the Class Export. Version 1 is no longer supported.

The generic inventory export includes three separate files: **ICExport.txt, CLExport.txt and AKAExport.txt.**

Version 2 and Version 3 are exactly the same for the CL and AKA exports.

The Delta Type which can be A (Add), E (Edit) or D (Delete) is truly only important for D (Delete). We keep it in order to track Deletes, not to instruct developers to take a short cut on determining if the row should be an insert or update. Thirty years ago, when this export was published for a single facility system, it was useful; today it is not reliable for enterprise systems that have various database schemes that include zones, hierarchy IDs and various parent -> child relationships between enterprise, property, and revenue centers.

In future versions, Delta Type will be replaced with active/ not active where Add and Edit will be flagged as active and Delete will be flagged as not active.

GENERIC INVENTORY EXPORT VERSION 2.0

Transmit File Name: ICEXPORT.TXT

BatchNumber
<ICHDR2.0>|DateofExport|TimeofExport
<D>|ItemNumber|FaclRevCenterNumber|Deltatype|MFRName|LastRcvdDate|SubClassNumber|SubClassName|MFR ProductNo|Description|Color|Size|SizeMod|UOM|QtyOnHand|QtySold|LastCost| AvgCost|Retail|TaxIncluded
<ICTRL2.0>RecCnt

File Format Example:

158
<ICHDR2.0>|02/01/2021|09:30:25
<D>|700001|51|A|Mechanical Servants Inc.|03/05/2008|23|Pharmaceuticals|1005 RV| Advil| NONE| None | | EaOnly|117|315|0.78|0.78|2.00|F
<ICTRL2.0>3

Legend:

Column	Field Name	Type	Length	Comments
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time (24H) that record was created in export file
D1	Detail Marker	C	3	Fixed marker <D>
D2	Item Number (SKU)	N	8	DataWorks assigned Item Number (SKU)
D3	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
D4	Delta Type	C	1	A= Add, E= Edit, D = Delete (see above)
D5	MFR Name	C	32	Manufacturer
D6	Last Rcvd Date	D	10	MM/DD/YYYY
D7	SubClass Number	N	10	
D8	SubClass Name	C	32	
D9	MFR Product Number	C	32	Manufacturer Product Number
D10	Description	C	32	Product Description
D11	Color	C	10	
D12	Size	C	10	
D13	Size Modifier	C	10	

D14	UOM	C	8	
D15	Qty On Hand	N	11,4	
D16	Qty Sold	N	11,4	
D17	Last Cost	N	10,3	
D18	Avg Cost	N	10,3	
D19	Retail	N	11,3	Price Reflects current sales price, inclusive of Sales & Promotions. If item is not on sale or promotion, this value would match the Current Retail value
D20	Tax Included	L	1	T = True, F = False
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

GENERIC INVENTORY EXPORT VERSION 3.0

Transmit File Name: ICEXPORT.TXT

BatchNumber
<ICHDR3.0>|DateofExport|TimeofExport
<D>|ItemNumber|FaclRevCenterNumber|DeltaType|MFRName|LastRcvdDate|SubClassNumber|SubClassName|ProductNo|Description|Color|Size|SizeModifier|UOM|QtyOnHand|QtySold|LastCost|AvgCost|Retail|TaxIncluded|CurrentRetail|ItemOnSale|ItemOnPromotion|PromoStart|PromoEnd|NonTaxable|TaxGroup|POSClassGroup|POSDepartGroup|POSDiviGroup|MenuGroup|SubMenuGroup|SLUNumber|SLUDescription|SalesGroup|DiscountGroup|ReportGroup| ServiceChargeGroup |SoldByWeight|Weight|TareWeight| UserDef1| UserDef2| UserDef3| UserDef4| UserDef5| UserDef6| UserDef7| UserDef8| UserDef9|
UserDef10|OpenItem|PriceChangeOK|VoidsOK|DiscountsOK|Active
<ICTRL3.0>|RecCnt

Example of Data:

159
<ICHDR3.0>|02012021|09:31:28
<D>|729197|644|A|SWIBCO / SOLARAY LLC|01/01/1900|0|Pers. Rack Keychains|DHKR|KC DIAMOND CUT HEART WNAME|None|None|||EaOnly|0|0|1.80|1.799|5.99|F|5.99|F|F|01/08/2021|01/08/2021|F|1|50Cls|653|1009|9MN|6SUB|0|||14Rev|3D|1RP|8SC|F|0.0000|0.0000|A|B|C|D|E|F|G|H|I|J|F|T|T|T|T
<ICTRL3.0>|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time (24H) that record was created in export file
D1	Detail Marker	C	3	Fixed Marker <D>
D2	Item Number (SKU)	N	8	DataWorks assigned Number (SKU)
D3	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
D4	Delta Type	C	1	A= Add, E= Edit, D = Delete (see above)
D5	Manufacturer Name	C	32	
D6	Last Rcvd Date	D	10	MM/DD/YYYY
D7	SubClass Number	N	10	
D8	SubClass Name	C	32	
D9	Product Number	C	32	
D10	Description	C	32	
D11	Color	C	10	
D12	Size	C	10	
D13	Size Modifier	C	10	

D14	Unit of Measure	C	8	
D15	Qty On Hand	N	11,4	
D16	Qty Sold	N	11,4	
D17	Last Cost	N	10,3	
D18	Average Cost	N	10,3	
D19	Retail	N	11,3	Reflects current sales price, inclusive of Sales & Promotions. If item is not on sale or promotion, this value would match the Current Retail value.
D20	Tax Included	L	1	T = True, F = False
D21	Current Retail	N	11,3	Regular retail price of the item. If an item is on sale, this is the value that the item will return to after the sale period is over. If the POS system can display discounts, this would be the “Before the Sale Price” to show savings.
D22	Item On Sale	L	1	T = True, F = False
D23	Item on Promotion	L	1	T = True, F = False
D24	Promo Start	D	10	MM/DD/YYYY
D25	Promo End	D	10	MM/DD/YYYY
D26	Nontaxable	L	1	T = True, F = False
D27	Tax Group	C	10	
D28	POS Class Group	C	10	
D29	POS Department Group	C	10	Synonymous with Family Group
D30	POS Division Group	C	10	Synonymous with Major Group
D31	Menu Group	C	10	
D32	Sub Menu Group	C	10	
D33	SLU Number	N	6	Screen Look Up Group
D34	SLU Description	C	16	Screen Look Up Description
D35	Sales Group	C	10	Synonymous with Sales Itemizer
D36	Discount Group	C	10	Synonymous with Discount Itemizer
D37	Report Group	C	10	
D33	Service Charge Group	C	10	
D39	Sold by Weight	L	1	T = True, F = False
D40	Weight	N	10,3	
D41	Tare Weight	N	10,3	
D42	UserDef1	C	10	
D43	UserDef2	C	10	
D44	UserDef3	C	10	
D45	UserDef4	C	10	
D46	UserDef5	C	10	
D47	UserDef6	C	10	
D48	UserDef7	C	10	
D49	UserDef8	C	10	
D50	UserDef9	C	10	
D51	UserDef10	C	10	
D52	Open Item	L	1	T = True, F = False
D53	Price Change OK	L	1	T = True, F = False
D54	Voids OK	L	1	T = True, F = False
D55	Discounts OK	L	1	T = True, F = False
D56	Active	L	1	T = True, F = False
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

SMS INVENTORY EXPORT

Note that two versions of the SMS (Springer Miller Systems) Inventory Export existed. Version 1.0 and Version 1.1. Both versions share the exact same number of fields. Version 1.0 is no longer supported. Version 1.1 is only available from DataWorks. Version 1.1 has expanded field lengths and that the captions of some fields have changed to reflect new features and definitions in the DataWorks System.

SMS INVENTORY EXPORT VERSION 1.1

Transmit File Name: SMINVENTORYEXPORT.TXT

BatchNumber
<SMHDR1.1|DateofExport|TimeofExport
<D>|ItemNumber | FaclRevCenterNumber|FaclName | SMSMenu|DeltaType |Description |Color |Size | QtyOnHand |LastCost |AvgCost |Retail |SMSTranscode |TaxClassNumber |ReportGroupNo |SalesItemizer |DiscItemizer
<SMTRL1.1>RecCnt

Legend:

Column	Field Name	Type	Length	Comments
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time (24H) that record was created in export file
D1	Detail Marker	C	3	Fixed Marker <D>
D2	Item Number (SKU)	N	8	DataWorks assigned Number (SKU)
D3	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
D4	Facility Name	C	32	
D5	SMS Menu	C	10	Pos Server Group or SubClass or SKU exception. Menu Item Group
D6	Delta Type	C	1	A= Add, E= Edit, D = Delete (see above)
D7	Description	C	32	Product Description
D8	Color	C	10	Can be Blank
D9	Size	C	10	Can be Blank
D10	Qty On Hand	N	11,4	
D11	Last Cost	N	10,3	
D12	Average Cost	N	10,3	
D13	Retail	N	11,3	Reflects current sales price, inclusive of Sales & Promotions.
D14	SMS Trans Code	C	6	POS Server Group or SubClass or SKU exception. Sales Group
D15	Tax Class Number	C	5	Tax Type Tax Group. Controlled by Taxable / Non-Taxable of POS Server Group or SubClass or SKU exception.
D16	Report Group Number	C	10	POS Server Group or SubClass or SKU exception. Report Group
D17	Sales Itemizer	C	10	POS Server Group or SubClass or SKU exception. User Defined No. 1
D18	Discount Itemizer	C	32	POS Server Group or SubClass or SKU exception. Discount Group
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

BARCODE - A.K.A. INVENTORY EXPORT

Note: A.K.A = Also Known As

This is the Barcode export. The design of DataWorks' system allows for one or more barcodes for one SKU (Item Number). A SKU is considered a barcode. UPC's, EAN's, ISDN's, and barcodes from legacy systems would be examples of additional barcodes.

File Name Pattern : AKAEXPORT_RevCntNo_YYYYMMDDHHMMSS.txt

Transmit File Example : AKAEXPORT.TXT

BatchNumber
< AKAHDR1.1>|DateofExport|TimeofExport
<D>| AKA|ItemNumber|AKANO|DeltaType
<AKATRL1.1>RecCnt

Legend:

Column	Field Name	Type	Length	Comment
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time (24) that record was exported in export file
D1	Detail Marker	C	3	Fixed Marker <D>
D2	AKA	C	25	User definable alias for an Item Number. The AKA data is typically a UPC code. It can also be used for exporting a legacy inventory system's barcode data. More than 1 AKA can exist for an Item Number. AKA is unique by default. Uniqueness is controlled in DataWorks configuration of AKA parameters.
D3	Item Number (SKU)	N	8	DataWorks assigned Item Number (SKU)
D4	AKANO	N	2	Unique number assigned for each occurrence of an AKA for an Item Number.
D5	Delta Type	C	1	A= Add, E= Edit, D = Delete (see above)
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

CLASS – DEPARTMENT – DIVISION EXPORT

VERSION 1.2

File Name Pattern: CLEXPORT_RevCntNo_YYYYMMDDHHMMSS.txt

Transmit File Example: CLEXPORT.TXT

BatchNumber
<CLHDR1.2>|DateofExport|TimeofExport
<D>|SubClassNumb|SubClassShortName|SubClassLongName|ClassNumb|ClassLoongName|SubDeptNumb|SubDept LongName|TaxClassNumber|Taxable1Logical|TaxRate1|Taxable2Logical|TaxRate2|ReportGroupNumb|SalesItemizer Numb|DiscItemizerNumb|Inventory_Asset_GLAcctNumb|CostofGoodsSoldGLAcctNumb|RevenueGLAcctNumb
<CLTRL1.2>RecCnt

Legend:

Column	Field Name	Type	Length	Comments
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time(24) that record was created in export file
D1	Detail Marker	C	3	Fixed Marker <D>
D2	SubClass Number	N	10	Optional
D3	SubClass Short Name	C	8	A unique name within SubClass
D4	SubClass Long Name	C	32	A unique name within SubClass
D5	Class Number	N	10	Optional
D6	Class Long Name	C	32	A unique name within Class
D7	SubDept Number	N	10	Optional
D8	SubDept Long Name	C	32	A unique name within SubDepartment
D9	Tax Class Number	C	5	Tax Group POS Server/Exception
D10	Taxable 1	L	1	T = True, F = False
D11	Tax Rate 1	N	7,3	Tax Percentage
D12	Taxable 2	L	1	T = True, F = False
D13	Tax Rate 2	N	7,3	Tax Percentage
D14	Report Group	C	10	POS Server/Exception Report Group
D15	Sales Group	C	10	POS Server/Exception Revenue Category
D16	Discount Group	C	32	POS Server/Exception Discount Itemizer
D17	Inventory Asset GL Acct Number	C	32	
D18	COGS GL Account Number	C	32	
D19	Revenue GL Account Number	C	32	
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

VERSION 2.0

Transmit File Example: CLEXPORT.TXT

BatchNumber
<CLHDR2.0>|DateofExport|TimeofExport
<D>|SubClassNumb|SubClassShortName|SubClassLongName|ClassNumb|ClassLongName|SubDeptNumb|SubDeptLongName|TaxClassNumber|Taxable1Logical|TaxRate1|Taxable2Logical|TaxRate2|ReportGroupNumb|SalesItemizerNumb|DiscItemizerNumb
<CLTRL2.0>RecCnt

Legend:

Column	Field Name	Type	Length	Comments
B1	Batch Number	N	12	Auto Generated
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Date of Export	D	10	MM/DD/YYYY
HD3	Time of Export	C	8	HH:MM:SS Time(24) that record was created in export file
D1	Detail Marker	C	3	Fixed Marker <D>
D2	SubClass Number	N	10	Optional
D3	SubClass Short Name	C	8	A unique name within SubClass
D4	SubClass Long Name	C	32	A unique name within SubClass
D5	Class Number	N	10	Optional
D6	Class Long Name	C	32	A unique name within Class
D7	SubDept Number	N	10	Optional
D8	SubDept Long Name	C	32	A unique name within SubDepartment
D9	Tax Class Number	C	5	Tax Group POS Server/Exception
D10	Taxable 1	L	1	T = True, F = False
D11	Tax Rate 1	N	7,3	Tax Percentage
D12	Taxable 2	L	1	T = True, F = False
D13	Tax Rate 2	N	7,3	Tax Percentage
D14	Report Group	C	10	POS Server/Exception Report Group
D15	Sales Group	C	10	POS Server/Exception Revenue Category
D16	Discount Group	C	32	POS Server/Exception Discount Itemizer
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Record Count	N	10	Includes Number of Rows written to file during an export.

DATA MINING EXPORT

The Data Mining Export gives access to the DataWorks Back Office's definition and transactional data sets. License this export if you are creating one-off in-house business intelligence dashboards that need to gather data and report on various operational metrics.

If your needs are isolated to just DataWorks, we recommend that you request a quote for a custom report. But if your needs are varied and could change, this module gives you access without having to tackle the odious task of mapping our 400+ table schema. The work is done for you here. And when our schema changes, the Data Mining Export will continue to work.

INVENTORY DETAIL

The inventory is a description file, notice it does not have quantity, cost nor retail values.

After considering this exclusion, Dataworks added On Hand, Replacement Cost, Weighted Average Cost and Retail to the table in case they are ever needed by the client.

Only those items, whose inventory type are set to send to POS will be transmitted.

Legend:

No	Inventory Data	
1	Version	Version of Export
2	Item Number (SKU)	dSku.cSkualias
3	Facility Number	dFacl.nNumber
4	Facility Name	dFacl.cName
5	MFR / Vendor	dMfr.cName
6	Manufacturer Product Number	dProd.cMfgProdNo
7	Description	dProd.cDesc
8	Inventory Type	dInvTyp.cShortName
9	Status	dStatus.cShortName
10	SubClass	dSubclass.cShortName
11	Class	dClass.cShortName
12	SubDept	dSubDept.cShortName
13	Dept	dDept.cShortName
14	SubDivision	dSubDivi.cShortName
15	Division	dDivi.cShortName
16	Color	dColor.cColor
17	Size	dSize.cSize
18	Size Modifier	dModifer.cModifer
19	Attribute1	dProdAttr1.cShortName
20	Attribute2	dProdAttr2.cShortName
21	Season	dSeas.cShortName
22	Selling UOM	dUOM.cShortName
23*	Qty On Hand	Function()
24*	Last Cost	dInve.LastBaseCost
25*	Average Cost	Function()
26*	Current Retail	Function()

Fields marked with * Added by DataWorks.

Quantity On Hand has decimals rounded to express as an integer.

Current retail considers if the item is currently on sale. If not on Sale, the value dInve.nRetail is returned, if passed on the day the export is run, if the item is on sale the value dinve.nTempRetail is returned. Four values are examined to determine if an item is on Sale: dinve.lOnSale which is a master always on sale control**.** The other controls are dInve.lPromoSale which turns on the date controls: dInve.tTempStart and dInve.tTempEnd that provide the start and

end date range for a promotional sale.

STOCK LEDGER DETAIL

File Name Pattern : Dw_StockLedger.<BatchNumber>

- End Date = Today
- Begin Date = Today – 730 days
- Ledger data is further filtered by the list of satellite stores
- Ledger data is ordered by Facility Number, SKU Alias and Date
- The Stock Ledger is a data roll up of transactions that occurs during the nightly service run. It is not updated in real time.
- The Stock ledger can be recomputed.

Legend:

No	Stock Ledger Data	
1	Version	Version of Export
2	Item Number (SKU)	dSku.cSkualias
3	Facility Number	dFacl.nNumber
4	Facility Name	dFacl.cName
5	Date	dInveDaySummary.dBusiness
6	Avg Cost Day	dInveDaySummary.nAvgCost_Day
7	Avg Retail Day	dInveDaySummary.nAvgRetail_Day
8	Qty Adjusted	dInveDaySummary.nNetAdju
9	Qty Received	dInveDaySummary.nReceived
10	Qty Return to Vendor	dInveDaySummary.nRTV
11	Qty Transfer In	dInveDaySummary.nTransferIn
12	Qty Transfer Out	dInveDaySummary.nTransferOut
13	Qty Manufactured	dInveDaySummary.nCreated
14	Qty Consumed In Mfg	dInveDaySummary.nConsumed
15	Qty Sold	dInveDaySummary.nSold
16	Qty Return	dInveDaySummary.nReturn
17	Discount $	dInveDaySummary.nDiscounts
18	Revenue $	dInveDaySummary.nNetRevenue
19	MarkDown $	dInveDaySummary.nMarkdowns

All Quantity fields are rounded to full integers with 11 significant digits.

All Revenue is rounded to 2 decimals places with 14 digits. $99,999,999,999.99 is the largest value and $-9,999,999,999.99 is the smallest value that can be passed per day per Item Number (SKU).

Qty Adjusted is the net adjusted. A Positive value means the inventory was increased in value. A negative value means the inventory quantity on hand was decreased by that value.

Discounts are computed as a result of a Point of Sales transaction that records the difference between what an item was priced to sell at and what an item actually sold for. A positive discount represents an atypical markup, a negative discount represents a normal markdown.

Markdowns are computed as the value that an item is marked down from using the Retail Adjustment system.

PURCHASE ORDER DETAIL

File Name Pattern : Dw_PODetail.<BatchNumber>

- Primary Filters:
  - All Purchase Orders with any “Date Anticipated” greater than 730 days ago will be included.
  - All Purchase Orders for the future are included

- Purchase Order data is further filtered by the list of satellite stores for allocating to.
- Cancelled, Rejected and Draft Purchase Orders are filtered from the export and are not exported.
- Statuses that are exported:
    - Awaiting, Approved, Open, Completed, Archived, Back Ordered, Back Ordered Canceled
- Awaiting and Archived should be considered for not exporting.

Legend:

No	Purchase Order Data	Source	
1	Version		Version of Export
2	Vendor ID	Header	dVend.cVendaka
3	Vendor Name	Header	dVend.cName
4	PO #	Header	dPo.cPONo
5	Date Ordered	Header	dPo.dOrder
6	Date Start Ship	Header	dPo.dStart
7	Date Anticipated	Header	dPoProd.dAnticipate (Notice this has an Override)
8	Date Cancel	Header	dPo.dCancel
9	Currency	Header	dCurrency.cShortname
10	Currency Rate	Header	dPo.nCurrencyRate
11	Buyer	Header	dEmp.cName
12	Company	Header	dComp.cName
13	Vendor Rep	Header	dRep.cName If none was defined, “NONE” will export
14	PO Type	Header	dPoTyp.cShortname
15	Season	Header	dSeason.cShortName
16	Facility Number (Ship To)	Header	dFacl.nNumber
17	Facility Name (Ship To)	Header	dFacl.cName
18	PO Status	Header	dStatus.cShortName
19	Allowance Amount	Header	iIf(dPo.lAllow_OK,dPo.nTotal*dPo.AllowPerc,0)
20	Total Other Charges	Header	Function : PO.po_cost_fnc(cdPO_PK)
21	Total PO Amount	Header	dPO.nTotal
22	Item Number (SKU)	Detail	dSku.cSkuAlias
23	Facility Number (Allocated To)	Detail	dFacl.nNumber
24	SubClass	Detail	dSubClass.cShortname
25	Description	Detail	dProd.cDesc
26	Attribute 1	Detail	dProdAttr1.cShortName
27	Color.Size.Modifier	Detail	dColor.cColor+dSize.cSize+dModifer.cModifer
28	Retail	Detail	dPoInve.nRetail
29	Selling UOM	Detail	dUom.cShortname
30	Order Qty (Selling UOM)	Detail	dPoInve.nQtyAllocated_Sell Rounded (,1)
31	Unit Cost (System Currency)	Detail	dPoSku.nSellCalcBaseCost
32	Ext Cost (System Currency)	Detail	dPoInve.nQtyAllocated_Sell * dPoSku.nSellCalcBaseCost
33	Qty Canceled (Selling UOM)	Detail	dPoInve.nQtyCancl_Sell
34	Qty Received (Selling UOM)	Detail	dPoInve.nQtyRcvd_Sell
35	Qty On Order (Selling UOM)	Detail	Max(0,dPoInve.nQtyAllocated_Sell - dPoInve.nQtyCancl_Sell - dPoInve.nQtyRcvd_Sell)

RECEIVING DETAIL

File Name Pattern : dw_recdetail.<BatchNo>

The Allocated Facility can be confusing. All product lands in the receiving, a.k.a. “Ship To” facility. Product can be allocated to facilities other than the “Ship To” facility. This will trigger a transfer out.

- The Following Statuses are excluded from the export: Void, Void Reversal, Cancelled, In-Process.
- The Following Status are included in the export: Awaiting, Merch Ok, Acct Ok, No Post to AP, Post to AP

- The Header View into dRec is the same view used on the Receiving form. View v_Rec_Po_Find. The Receiving dates are used to query the data. And the Employee rights are made global for the query.
- Receipts for the last 730 days and any Receipt marked into the future are included.
- *** Qty On Order is for the Item Number (SKU) on this Line of the PO. If the same Item Number (SKU) is ordered multiple times on the same PO, and the Item Number (SKU) is being allocated to multiple facilities, this value is not the true statement of on order. It is the value that was on order for this line and this Item Number (SKU) at the beginning of the receipt.

Legend:

No	Receiving Data	Source	
1	Version		Version of Export
2	Receipt #	Header	VAL(dRec.cRecno)
3	Vendor ID	Header	dRec.cdVend_FK -> dVend.cVendAka
4	Vendor Name	Header	dRec.cdVend_FK -> dVend.cName
5	PO #	Header	dRec.cdPo_FK -> dPo.cPoNo
6	Vendor Currency	Header	dRec.cdCurrency_FK -> dCurrency.cShortName
7	Currency Rate	Header	dRec.nCurrencyRate
8	Receiving Facility	Header	dRec.cdFacl_FK -> dFacl.nNumber
9	Allocated Facility	Header	dRecInveLoc.cdFacl_FK -> dFacl.nNumber
10	Receipt Type	Header	cdRecTyp_FK -> dRecTyp.cShortName
11	Invoice or Packing Slip #	Header	Alltrim(dRec.cInvoice+dRec.cPackSlip)
12	Received Date	Header	dRec.dReceive
13	PO Order Date	Header	dPo.dOrder
14	PO Start Ship Date	Header	dPo.dStart
15	PO Anticipated Date	Header	dPo.dComplete
16	PO Canceled Date	Header	dPo.dCancel
17	Invoice Date	Header	dRec.dInvoice (Blank if Packing Slip)
18	Received By	Header	dRec.cdEmp_FK -> dEmp.cHame
19	Receipt Status	Header	dRec.cdStatus_FK -> dStatus.cShortName
20	Reference	Header	dRec.cRef
21	Item Number (SKU)	Detail	dSku.cSkualias
22	Vendor Product Number	Detail	dRecSku.cdVn2Prd_Fk -> dVn2Prd.cVendpartNo
23	Manufacturer	Detail	dProd.cdMfr_FK->dMfr.cName
24	Manufacturer Product Number	Detail	dProd.cMfgProdNo
25	Description	Detail	dProd.cDesc
26	Inventory Type	Detail	dInvTyp.cShortname
27	SubClass	Detail	dSubClass.cShortname
28	On Order Qty (Selling UOM)	Detail	dRecsku.nQtyOnOrder_Sell (See *** Above)
29	Total Qty Received (Selling UOM)	Detail	dRecInveLoc.nQtyRcvd_Sell
30	Order Cost (System Currency)	Detail	dRecSku.nSellCalcBaseCost
31	Ext Cost (System Currency)	Detail	Round(nQtyRcvd_Sell*nSellCalcBaseCost,3)
32	Retail	Detail	dRecInveLoc.nRetail

RETURN TO VENDOR DETAIL

Legend:

No	Return to Vendor Data	Source	
1	Version		Version of Export
2	RMA Number	Header	dRTV.cRmaNo
3	Vendor Name	Header	dVend.cName
4	RTV #	Header	dRtv..nRTVNO
5	Credit Memo	Header	dRtv.cCreditMemo
6	Reference	Header	dRtv.cRef
7	Facility Number	Header	dFacl.nNumber
8	Transaction Date	Header	dRtv.tTransaction
9	RTV Shipped Date	Header	dRtv.dShipped
10	RTV Status	Header	dStatus.cShortName
11	Item Number (SKU)	Detail	dSku.cAlias
12	Qty Returned to Vendor	Detail	dRTVInveDtl.nQtyRtv_Sell
13	Unit Cost	Detail	dRTVInveDtl.nBaseCost_Sell
14	Ext Cost	Detail	Round(nQtyRtv_Sell*nBaseCost_Sell,3)

TRANSFER OUT DETAIL

Legend:

No	Transfer Out Data	Source	
1	Version		Version of Export
2	Transfer Out Number	Header	dXfr.cTranNo
3	Facility (From)	Header	dFacl.nNumber
4	Facility (To)	Header	dFacl.nNumber
5	Transaction Date	Header	dXfr.tTransaction
6	Transfer Out Status	Header	dStatus.cShortName
7	Shipping Reference	Header	dXfr.cShipRef
8	Number of Packages	Header	dXfr.nPkg
9	Packed By	Header	dEmp.cName
10	Item Number (SKU)	Detail	dSku.cAlias
11	Description	Detail	dProd.cDesc
12	Ship UOM	Detail	dUom.cShortName
13	Ship Qty	Detail	dXfrItm.nQtyTrnOut_Ship
14	Sell UOM	Detail	dUom.cShortname
15	Sell Qty	Detail	dXfrItm.nQtyTrnOut_Sell
16	Unit Cost (Selling UOM)	Detail	Detail, dXfrItm.nAvgCost
17	Extended Cost	Detail	round(nQtyTrnOut_Sell*nAvgCost,3)

TRANSFER IN DETAIL

Legend:

No	Transfer In Data	Source	
1	Version		Version of Export
2	Transfer In Number	Header	dXfrIn.cTranNo
3	Facility (From)	Header	dFacl.nNumber
4	Facility (To)	Header	dFacl.nNumber
5	Transaction Date	Header	dXfrIn.tTransaction
6	Transfer Out Number	Header	dXfr.cTranNo
7	Transfer In Status	Header	dStatus.cShortName
8	Received By	Header	dEmp.cName
9	Item Number (SKU)	Detail	dSku.cSkualias
10	Description	Detail	dProd.cDesc
11	Qty Transferred In (Selling UOM)	Detail	dXfrInItm.nQtyTrnIn_Sell
12	Unit Cost (Selling UOM)	Detail	dXfrInItm.nAvgCost_Sell
13	Ext Cost	Detail	round(nQtyTrnIn_Sell*nAvgCost_Sell,3)

SALES DETAIL

Legend:

No	Sales Data	Source	
1	Version		Version of Export
2	Facility Number	Header	dFacl.nNumber
3	Date Sold	Header	dSale.dInvoice
4	Item Number (SKU)	Detail	dSaLine.cSaLn_Input
5	Qty Sold	Detail	dSaSold.nQtySold
6	Ext COGS	Detail	dSaSold.nEXTCOGS
7	Discount $	Detail	Function()
8	Ext Retail	Detail	dSaSold.nQtySold*dSaLine.nUnitCurrList
9	Ext Net Revenue	Detail	dSASOLD.nEXTNETCURRRETAIL

FINANCIAL EXPORTS

GENERAL LEDGER JOURNAL ENTRY RDPD EXPORT

The GL Export RDPD is a consolidation of the various separate GL journal export files that previous versions created. This Export can be generated with a **Fixed Name** or **Unique Name** including a Batch Number plus a Year, Month, Day suffix. That control is switched on/off in the Company-> Accounting tab.

File Pattern Format: GLEXPORT_<BatchNo>_<YYYYMMDD>.txt

Transmit File Example: **GLEXPORT.TXT**

BatchNumber
<GLHDR1.0>|BatchSeqNo|TransactionID
<H>|CompanyNumber|CompanyName|FaclNumber|FaclName|FinancialPeriod|FinancialYear|TranactionType|Description|Reference|VendorID|VendorName|TransactionDate|BatchDateTime|ExportDateTime||DebitAmount|Credit Amount|TrialExport
<D>|GLAccountNo|GLAccountName|Amount|GLEventType|GLDistType
<GLTRL1.0>|BatchSeqNo|TransactionID|RecCnt

Legend:

B1	Batch Number	N	12	GL Batch Number
HD1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HD2	Batch Seq Number	N	12	GL Batch Sequence Number
HD3	Transaction ID	C	6	Transaction Primary Key ID
H1	Header Marker	C	3	Fixed Marker <H>
H2	Company Number	N	6	
H3	Company Name	C	32	
H4	Facility Number	N	6	
H5	Facility Name	C	32	
H6	Financial Period	N	4	
H7	Financial Year	N	4	
H8	Batch Transaction Type	C	8	*See Table **General Ledger Batch Transaction Type**
H9	Description	C	64	Journal Entry Description
H10	Reference	C	32	For Some Types, i.e. PO Number
H11	Vendor ID	C	32	For Some Types, i.e. Receipts & Return to Vendors
H12	Vendor Name	C	32	For Some Types
H13	Transaction Date	D	10	MM/DD/YYYY
H14	Batch Date Time	T		Date and Time of Batch creation within system
H15	Export Date Time	T		Date and Time when Batch was exported from system
H16	Debit Amount	N	14,3	
H17	Credit Amount	N	14,3	
H18	Trail Export	L	1	T = True, F = False If TRUE then Export was a test export
D1	Detail Marker	C	3	Fixed Marker <D>
D2	GL Account Number	C	1-64	
D3	GL Account Name	C	32	
D4	Amount	N	14,3	
D5	GL Event Type	C	8	*See Table **Default General Ledger Financial Events**
D6	GL Distribution Type	C	1	C (Credit) or D (Debit)
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Batch Seq Number	N	12	GL Batch Sequence Number
TR3	Transaction ID	C	6	Transaction Primary Key ID
TR4	Record Count	N	10	Includes Number of Rows written to file during an export.

GENERAL LEDGER JOURNAL ENTRY TXT EXPORT

Transmit File Examples: GLHeader.txt and GLDetail.txt

A comma separates each field. Quotes are not used to delimit text information. All character data is cleansed of "stray" commas.

The GLHeader.txt file contains all journal specific data. It is prefixed with a Batch Number and a Transaction Number. The transaction number is a unique system generated primary key.

The GLDetail.txt file contains all account distribution data for the Journal Entry. It is also prefixed with a Batch Number and a Transaction Number. The transaction ID is used as a foreign key to relate the detail records to the appropriate parent record.

GLHeader.Txt

BatchNumber, BatchSeqNo, TransactionID, CompanyNo, CompanyName, FaclNo, FaclName, FinancialPeriod, FinancialYear, TransactionType, Description, Reference, VendorID, VendorName, TransactionDate, BatchDateTime, ExportDateTime, DebitAmount, CreditAmount, TrialExport

GLDetail.Txt

BatchNumber, Batch Seq No, Transaction ID, GL Account No, GL Account Name, Amount, GL Event Type, GL Distribution Type

Legend:

Column	Field Name	Type	Length	Comment
H1	Batch Number	N	12	GL Batch Number
H2	Batch Sequence Number	N	12	GL Batch Sequence Number
H3	Transaction ID	C	6	Transaction Primary Key ID
H4	Company Number	N	6	
H5	Company Name	C	32	
H6	Facility Number	N	6	
H7	Facility Name	C	32	
H8	Financial Period	N	4	
H9	Financial Year	N	4	
H10	Batch Transaction Type	C	8	*See Table General Ledger Batch Transaction Types
H11	Description	C	64	Journal Entry Description
H12	Reference	C	32	For Some Types, i.e. PO Number
H13	Vendor ID	C	32	For Some Types, i.e. Receipts & Return to Vendors
H14	Vendor Name	C	32	For Some Types
H15	Transaction Date	D	10	MM/DD/YYYY
H16	Batch Date Time	T		Date and Time of Batch Creation within System
H17	Export Date Time	T		Date and Time when Batch was Exported from System
H18	Debit Amount	N	14,3	
H19	Credit Amount	N	14,3	
H20	Trial Export	L	1	T = True, F = False If TRUE then Export was a test export
D1	Batch Number	N	12	GL Batch Number
D2	Batch Sequence Number	N	12	GL Batch Sequence Number
D3	Transaction ID	C	6	Transaction Primary Key ID
D4	GL Account Number	C	64	
D5	GL Account Name	C	32	
D6	Amount	N	14,3	
D7	GL Event Type	C	8	*See Table Default General Ledger Financial Events
D8	GL Distribution Type	C	1	C (Credit) or D (Debit)

General Ledger Batch Transaction Types

SALE	Sale
PHYS	Quick Physical
TOUT	Transfer Out
TIN	Transfer In
REC	Receipt Merchandise Dept OK
RTV	Return to Vendor Merchandise Dept OK
COSTADJU	Cost Adjustment / Variance (from Cost Changes)

Default General Ledger Financial Events (Inventory Events)

InvAsset	Inventory Asset
COGS	Cost of Goods Sold
Revenue	Sales Revenue
Shrink	Inventory Shrinkage
CostAdj	Cost Adjustment / Variance (from Cost Changes)

Default Other Charges

F-In	Freight In
F-Out	Freight Out
ArtSet	Artwork Setup Expense
Tariff	Tariff

Default Reason Codes

Shrink	Physical Inventory	Reason: Shrinkage
Donate	Physical Inventor	Reason: Donations
Damage	Physical Inventory	Reason: Damaged / Broken
Market	Physical Inventory	Reason: Expense to Marketing

GENERAL LEDGER CSV (CDF) EXPORT VERSION 3.0

CDF Version 3.0 is a single flatten file of the GL Export. Instead of two text files, a single file is exported. The file has a ".csv" extension rather than a ".cdf" extension.

The file can be exported either as a fixed or unique name. A Fixed name is exported as: "glexport.csv". A unique name is generated by adding a suffix to the file name. The suffix is composed of an <Underscore>, the batch number, another <underscore> and finally a date (YYYYMMDD). An example of a unique name would be "glexport_0017_20110503.csv", where "0017" represents the 17th batch and 20110503 means the export was run on May 03, 2011.

This version repeats the Header information on each line. Columns 1 – 20 would be identically repeated for each journal entry. Columns 21 – 25 would be unique for the journal detail.

Transmit File Example: **GLExport.csv**

BatchNumber, Batch Seq No, Transaction ID, Company No, Company Name, Facility No, Facility Name, Financial Period, Financial Year, Transaction Type, Description, Reference, Vendor ID, Vendor Name, Transaction Date, Batch Date Time, Export Date Time, Debit Amount, Credit Amount, Trial Export, BatchNumber, Batch Seq No, Transaction ID, GL Account No, GL Account Name, Amount, GL Event Type, GL Distribution Type

Legend:

Column	Field Name	Type	Length	Comment
1	Batch Number	N	12	GL Batch Number
2	Batch Sequence Number	N	12	GL Batch Sequence Number
3	Transaction ID	C	6	Transaction Primary Key ID
4	Company Number	N	6	
5	Company Name	C	32	
6	Facility Number	N	6	
7	Facility Name	C	32	
8	Financial Period	N	4	
9	Financial Year	N	4	
10	Batch Transaction Type	C	8	*See Table **General Ledger Batch Transaction Types**
11	Description	C	64	Journal Entry Description
12	Reference	C	32	For Some Types, i.e., PO Number
13	Vendor ID	C	32	For Some Types, i.e., Receipts & Return to Vendors
14	Vendor Name	C	32	For Some Types
15	Transaction Date	D	10	MM/DD/YYYY
16	Batch Date Time	T		Date and Time of Batch creation within system
17	Export Date Time	T		Date and Time when Batch was exported from system
18	Debit Amount	N	14,3	
19	Credit Amount	N	14,3	
20	Trial Export	L	1	T = True, F = False If TRUE then Export was a test export
21	Batch Number	N	12	GL Batch Number
22	Batch Sequence Number	N	12	GL Batch Sequence Number
23	Transaction ID	C	6	Transaction Primary Key ID
21	GL Account Number	C	64	
22	GL Account Name	C	32	
23	Amount	N	14,3	
24	GL Event Type	C	8	*See Table **Default General Ledger Financial Events**
25	GL Distribution Type	C	1	C (Credit) or D (Debit)

GENERAL LEDGER CSV (CDF) EXPORT VERSION 3.1

CSV Version 3.1 is a single flatten file of the GL Export. It is almost identical to CSV 3.0, with the exception that columns 21,22 and 23 have been removed, since the information they contain was already represented in columns 1,2, and 3.

Like version 3.0, this file can be exported either as a fixed or unique name. See version 3.0 for the full explanation of the file name options.

Transmit File Example: GLExport.csv

BatchNumber, Batch Seq No, Transaction ID, Company No, Company Name, Facl No, Facl Name, Financial Period, Financial Year, Batch Transaction Type, Description, Reference, Vendor ID, Vendor Name, Transaction Date, Batch Date Time, Export Date Time, Debit Amount, Credit Amount, Trial Export, GL Account No, GL Account Name, Amount, GL Event Type, GL Distribution Type

Legend:

1	Batch Number	I	12	GL Batch Number
2	Batch Sequence Number	N	12	GL Batch Sequence Number
3	Transaction ID	C	6	Transaction Primary Key ID
4	Company Number	N	6	
5	Company Name	C	32	
6	Facility Number	N	6	
7	Facility Name	C	32	
8	Financial Period	N	4	
9	Financial Year	N	4	
10	Batch Transaction Type	C	8	*See Table General Ledger Batch Transaction Type
11	Description	C	64	Journal Entry Description
12	Reference	C	32	For Some Types, i.e. PO Number
13	Vendor ID	C	32	For Some Types, i.e. Receipts & Return to Vendors
14	Vendor Name	C	32	For Some Types
15	Transaction Date	D	10	MM/DD/YYYY
16	Batch Date Time	T		Date and Time of Batch creation within system
17	Export Date Time	T		Date and Time when Batch was exported from system
18	Debit Amount	N	14,3	
19	Credit Amount	N	14,3	
20	Trial Export	L	1	T = Tue, F = False If TRUE then Export was a test export
21	GL Account Number	C	1-64	
22	GL Account Name	C	32	
23	Amount	N	14,3	
24	GL Event Type	C	8	*See Table Default General Ledger Financial Events
25	GL Distribution Type	C	1	C (Credit) or D (Debit)

ACCOUNTS PAYABLE EXPORTS

There are several changes to the AP export for DataWorks. In all cases the field positions have been preserved but several fields have changed type, length, or are no-longer relevant.

To preserve import programs that may have been written with exact field lengths rather than using the delimiters, versions 1.0 of the export will keep the field lengths the same, in some cases data could be truncated. Versions 2.0 and higher use the new field lengths of DataWorks.

DataWorks provides additional parameters that allow limited customization of the exports:

- The liability posting account can be suppressed in the export
- The exports can be transmitted unsigned, that is all values would be positive values rather than negative values for credit memos and positive values for debit memos.
- These controls are turned on and off on the Company form, Accounting tab of DataWorks.

ACCOUNTS PAYABLE RDPD EXPORT

RDPD EXPORT VERSION 1.0 +

File Name Pattern: APEXPORT.TXT

Transmit File Example: **APEXPORT.txt**

BatchNumber
<APHDR1.3>|TNumb
<H>|Debit_Or_Credit|Vendnumb|Vendname|VendAka|InvoiceNumber|Reference|FaclNum|FaclName|InvoiceDate|InvoiceAmt|DueDate|LastDiscountDate|TermsDiscountPercent|TermsDiscountAmount|NonDiscountAmt|ApprovedtoPay|InvoiceNote|SystemDate|TermsAreVendorDefault|TermsDescription
<D>|GeneralLedgerAccountNumber|GLAmount|GLDistributionType|FinancialItemizerNumber|Faclnum
<APTRL1.3>|TNumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
B1	BatchNumber	N	7	1 – 9999999 and then recycles
HDR1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HDR2	Transaction Number	C	6	1- 999999 and then recycles
H1	Header Marker	C	3	Fixed Marker <H>
H2	Debit or Credit	C	1	D (Debit) or C (Credit)
H3	Vendor Number	C	4	Versions: 1.0 - 1.9
H4	Vendor Name	C	25	
H5	Vendor Aka	C	25	Variable 8-25 Also Known As. The Account ID
H6	Invoice Number	C	10	
H7	Reference	C	10	
H8	Facility Number	N	3	Facility Number will be “0” if receiving is for multiple stores.
H9	Facility Name	C	15	Will be Blank if Facility Number is “0”
H10	Invoice Date	D	10	MM/DD/YYYY
H11	Invoice Amount	N	12,2	
H12	Due Date	D	10	MM/DD/YYYY
H13	Last Discount Date	D	10	MM/DD/YYYY
H14	Terms Discount Percent	N	2	Expressed as a percent
H15	Terms Discount Amount	N	12, 2	Expressed as an amount
H16	Non-Disc Amount	N	12, 2	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
H17	Approved to Pay	L	1	T = True, F= False
H18	Invoice Note	C	64	
H19	System Date	D	10	MM/DD/YYYY Actual Date Transaction was posted to AP

H20	Terms are Vendor Default	L	1	T= Invoice Terms are the Vendor Default. F=Terms are not the Vendor Default.
H21	Terms Description	C	20	The terms for this Invoice
D1	Detail Marker	C	3	Fixed Marker <D>
D2	GL Account Number	C	64	
D3	GL Amount	N	12, 2	
D4	GL Distribution Type	C	1	P (Posting Account – Only One) or D(Distribution Account-One or More)
D5	Financial Itemizer Number	N	4	For Inventory Asset, COGS and Sales Account Numbers. Does not appear for non-SKU related items, (i.e., Accounts Payable Liability, Freight In/Out expenses).
D6	Facility Number	N	3	Facility Number will be "0" if receiving is for multiple stores.
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Transaction Number	C	6	
TR3	Record Count	N	10	Includes Number of Rows written to file during an export.

RDPD EXPORT VERSION 2.0

File Name Pattern: APEXPORT.TXT

Transmit File Example: APEXPORT.TXT

BatchNumber
<APHDR2.0>|TNumb
<H>|DebitOrCredit|ApType|Status|Vendname|VendAka|InvoiceNumber|Reference|SystemDate|
InvoiceDate|InvoiceAmt|TermsDescription|TermsDiscountPercent|TermsAreVendorDefault|DueDate|
LastDiscountDate|NonDiscountAmt|TermsDiscountAmount|InvoiceNote
<D>|GLAccountNumber|GLAccountName|GLAmount|GLDistributionType|GLType
<APTRL2.0>|TNumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
B1	BatchNumber	N	7	1 – 9999999 and then recycles
HDR1	Export Type Marker	C	10	<*HDR#> *Includes File Type prefix, # Version Number suffix
HDR2	Transaction Number	C	6	Transaction Number 0 - ZZZZZZ
H1	Header Marker	C	3	Fixed Marker <H>
H2	Debit or Credit	C	1	D (Debit) or C (Credit)
H3	AP Type	C	8	Type of Invoice
H4	Status	C	8	Status of Invoice
H5	Vendor Name	C	32	
H6	Vendor AKA	C	32	Also Known As. The Account ID
H7	Invoice Number	C	12	
H8	Reference	C	12	
H9	System Date	D	10	MM/DD/YYYY Actual Date Transaction was posted to AP
H10	Invoice Date	D	10	MM/DD/YYYY
H11	Invoice Amount	N	14,3	
H12	Terms Description	C	20	
H13	Terms Discount Percent	N	2	Expressed as a percent
H14	Terms Are Vendor Default	L	1	T = Invoice Terms are the Vendor Default .F = Terms are not the Vendor Default
H15	Due Date	D	10	MM/DD/YYYY
H16	Last Discount Date	D	10	MM/DD/YYYY
H17	Non-Disc Amount	N	14,3	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
H18	Terms Discount Amount	N	12,2	Expressed as an amount
H19	Invoice Note	C	64	

D1	Detail Marker	C	3	Fixed Marker <D>
D2	GL Account Number	C	1-64	
D3	GL Account Name	C	32	
D4	GL Amount	N	14, 3	
D5	GL Distribution Type	C	1	P (Posting Account – Only One) or D (Distribution Account – One or More)
D6	GL Type	C	8	
TR1	Export Type Marker	C	10	<*TRL#> *Includes File Type prefix, # Version Number suffix
TR2	Transaction Number	C	6	
TR3	Record Count	N	10	Includes Number of Rows written to file during an export.

ACCOUNTS PAYABLE CDF EXPORT

Transmit Files: APHeader.Txt and APDetail.Txt.

The APHeader.txt file contains all Invoice specific data. It is prefixed with a Batch Number and a Transaction Number. The transaction number is a unique system generated primary key.

The APDetail.txt file contains all Account Distribution data for the Invoices. It is also prefixed with a Batch Number and a Transaction Number. The transaction number is used as a foreign key to relate the detail records to the appropriate parent record.

ACCOUNTS PAYABLE CDF EXPORT VERSION 1.0

CDF Version 1.0 has field and position backward compatibility with previous versions. There are fields defined that are not used in DataWorks but are reserved for compatibility.

File Name Pattern: APHeader.txt

Transmit File Example: **APEXPORT.TXT**

BatchNumber, TNumb, System Date, System Time, DebitorCredit, VendNumb, VendName, VendAka, InvoiceNumber, Reference, Faclnum, FaclName, InvoiceDate, InvoiceAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription

APDetail.txt

BatchNumber, TNumb, GeneralLedgerAccountNumber, GLAmount, GLDistributionType, FinancialItemizerNumber, FaclNum

Legend

Column	Field Name	Type	Length	Comment
H1	BatchNumber	N	7	1 – 9999999 and then recycles
H2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H3	System Date	C	10	MM/DD/YYYY - Actual Date Transaction was posted to AP
H4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
H5	Debit or Credit	C	1	D (Debit) or C (Credit)
H6	Vendor Number	N	4	
H7	Vendor Name	C	25	
H8	Vendor Aka	C	25	Also Known As. The Account ID
H9	Invoice Number	C	10	
H10	Reference	C	10	Default to Originating Purchase Order Number
H11	Facility Number	N	3	Facility Number will be “0” if receiving is for multiple stores.
H12	Facility Name	C	15	Will be Blank if Store Number is “0”
H13	Invoice Date	D	10	MM/DD/YYYY
H14	Invoice Amount	N	12,2	Amount in System’s Base Currency
H15	Due Date	D	10	MM/DD/YYYY

H16	Last Disc Date	D	10	MM/DD/YYYY
H17	Terms Discount Percent	N	2	Terms Discount expressed as a Percent.
18	Terms Discount Amount	N	12,2	Terms Discount expressed as an amount
H19	Non-Disc Amount	N	12,2	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
H20	Approved to Pay	L	1	T = True, F = False
H21	Invoice Note	C	20	
H22	Terms are Default	L	1	T = Invoice Terms are the Vendor Default. F = Terms are not the Vendor Default
H23	Terms Description	C	20	The Terms of Payment for this Invoice
D1	Batch Number	N	7	
D2	Transaction Number	C	6	
D3	GL Account Number	C	64	
D4	GL Amount	N	12,2	
D5	GL Distribution Type	C	1	P (Posting Account – Only One) or D (Distribution Account – One or More)
D6	Financial Itemizer Number	N	4	For Inventory Asset, COGS and Sales Account numbers. Does not appear for non-SKU related items (e.g., Accounts Payable, Liability, Freight In/Out expenses.)
D7	Facility Number	N	3	Facility Number will be "0" if receiving is for multiple stores.

ACCOUNTS PAYABLE CDF EXPORT VERSION 2.0

CDF Version 2.0 is almost identical with Version 1.0. The Debit or Credit field is in the third position rather than the fifth position. The Numeric fields are expanded from previous version's default of 12,3 to DataWorks' 14,3 numeric length.

APHeader.txt

Transmit File Example: APEXPORT.TXT

BatchNumber, TNumb, DebitorCredit, System Date, System Time, VendNumb, VendName, VendAka, InvoiceNumber, Reference, Faclnum, FaclName, InvoiceDate, InvoiceAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription

ApDetail.txt

BatchNumber, TNumb, GeneralLedgerAccountNumber, GLAmount, GLDistributionType, FinancialItemizerNumber, Facl Num

Legend:

Column	Field Name	Type	Length	Comment
H1	BatchNumber	N	7	1 – 9999999 and then recycles
H2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H3	Debit or Credit	C	1	D (Debit) or C (Credit)
H4	System Date	C	10	MM/DD/YYYY. Date that record was created in export file
H4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
H5	Vendor Number	C	6	
H6	Vendor Name	C	32	DataWorks Vendor Name
H7	Vendor Aka	C	25	Also Known As. The Account ID
H8	Invoice Number	C	10	
H9	Reference	C	10	Default to Originating Purchase Order Number
H10	Facility Number	N	3	Will be 0
H11	Facility Name	C	15	Will be Blank
H12	Invoice Date	D	10	MM/DD/YYYY
H13	Invoice Amount	N	14,3	Amount in System's Base Currency.

H14	Due Date	D	10	MM/DD/YYYY
H15	Last Disc Date	D	10	MM/DD/YYYY
H16	Terms Discount Percent	N	7,3	Terms Discount expressed as a Percent. Max of 99.999
H17	Terms Discount Amount	N	14,3	Terms Discount expressed as an amount
H18	Non-Disc Amount	N	14,3	Invoice Amt that is excluded from a Terms discount. i.e. Freight Expense
H19	Approved to Pay	L	1	T = True, F = False
H20	Invoice Note	C	20	
H21	Terms are Default	L	1	T = Invoice Terms are Vendor Default. F = Terms are not Vendor Default
H22	Terms Description	C	20	The Terms of Payment for this Invoice
D1	Batch Number	N	7	
D2	Transaction Number	C	6	
D3	GL Account Number	C	1-64	Variable 9-32
D4	GL Amount	N	12,2	
D5	GL Distribution Type	C	1	P (Posting Account – Only One) or D (Distribution Account – One or More)
D6	Financial Itemizer Number	N	4	For Inventory Asset, COGS and Sales Account numbers. Does not appear for non-SKU related items (e.g., Accounts Payable, Liability, Freight In/Out expenses.)
D7	Facility Number	N	3	Will be 0

ACCOUNTS PAYABLE CDF EXPORT VERSION 2.1

CDF Version 2.1 drops all non-relevant fields left over from previous versions and adds new fields that are supported only in DataWorks. Support for mixed currencies is made available.

APHeader.txt for 2.1

Transmit File Example: APEXPORT.TXT

BatchNumber, TNumb, System Date, System Time, Version, DebitorCredit, VendorName, VendAka, InvoiceNumber, Reference, InvoiceDate, InvoiceAmt, Currency, CurrencyRate, SystemAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription

APDetail.txt

BatchNumber, TNumb, GLAccountNumber, GLAccountName, GLType, GLAmount, DistributionType

Legend:

Column	Field Name	Type	Length	Comment
H1	BatchNumber	N	7	1 – 9999999 and then recycles
H2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H3	System Date	C	10	MM/DD/YYYY. Date that record was created in export file
H4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
H5	Version	N	3,1	Version of this export. i.e., 2.1
H6	Debit or Credit	C	1	D (Debit) or C (Credit)
H7	Vendor Name	C	32	Vendor Name
H8	Vendor AKA	C	25	Also Known As. The Vendor Account ID
H9	Invoice Number	C	12	
H10	Reference	C	12	Default to Originating Purchase Order Number
H11	Invoice Date	D	10	MM/DD/YYYY
H12	Invoice Amount	N	14,3	Amount in Vendors' Currency.

H13	Currency	C	3	Currency i.e. USD, EUR, GBP
H14	Currency Rate	N	9,5	Conversion Rate of currency conversion
H15	System Amount	N	14,3	Invoice Amount converted to System
H16	Due Date	D	10	MM/DD/YYYY
H17	Last Disc Date	D	10	MM/DD/YYYY
H18	Terms Discount Percent	N	7,3	Expressed as a Percent.
H19	Terms Discount Amount	N	14,3	Expressed as an amount
H20	Non-Disc Amount	N	14,3	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
H21	Approved to Pay	L	1	T = True, F = False
H22	Invoice Note	C	20	
H23	Terms are Default	L	1	T = Invoice Terms are the Vendor Default. F = Terms are not the Vendor Default
H24	Terms Description	C	20	The Terms of Payment for this Invoice
D1	Batch Number	N	7	
D2	Transaction Number	C	6	
D3	GL Account Number	C	1-64	
D4	GL Account Name	C	32	
D5	GL Type	C	32	i.e. Asset, Expense, Liability
D6	GL Amount	N	14,3	
D7	Distribution Type	C	1	P (Posting Account- Only One) or D (Distribution Account- One or More)

ACCOUNTS PAYABLE CDF EXPORT VERSION 2.2

CDF Version 2.2 drops all non-relevant fields left over from previous versions and adds new fields that are supported only in DataWorks. Support for mixed currencies is made available. The 2.2 export differs from 2.1, in that the six optional system defined Purchase Order attributes are exported. These attributes are exported when an invoice is linked to a specific PO. These could be used to define capital projects or job codes. The 9 new fields are listed in **green** below.

APHeader.txt for 2.2

Transmit File Example: APEXPORT.TXT

BatchNumber, Tnumb, System Date, System Time, Version, DebitorCredit, VendorName, VendAka, InvoiceNumber, Reference, InvoiceDate, InvoiceAmt, Currency, CurrencyRate, SystemAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription, PoUserDefData1,POUserDefData2, POUserDefData3, POAttr1ShortName, POAttr1LongName, POAttr2ShortName, POAttr2LongName, POAttr3ShortName, POAttr3LongName

APDetail.txt

BatchNumber, TNumb, GLAccountNumber, GLAccountName, GLType, GLAmount, DistributionType

Legend:

Column	Field Name	Type	Length	Comment
H1	BatchNumber	N	7	1 – 9999999 and then recycles
H2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H3	System Date	C	10	MM/DD/YYYY. Date that record was created in export file
H4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
H5	Version	N	3,1	Version of this export. i.e., 2.1
H6	Debit or Credit	C	1	D (Debit) or C (Credit)
H7	Vendor Name	C	32	Vendor Name
H8	Vendor Aka	C	25	Also Known As Vendor Account ID

H9	Invoice Number	C	12	
H10	Reference	C	12	Default to Originating Purchase Order Number
H11	Invoice Date	D	10	MM/DD/YYYY
H12	Invoice Amount	N	14,3	Amount in Vendors' Currency.
H13	Currency	C	3	Currency i.e., USD, EUR, GBP
H14	Currency Rate	N	9,5	Conversion Rate of currency conversion
H15	System Amount	N	14,3	Invoice Amount converted to System Currency
H16	Due Date	D	10	MM/DD/YYYY
H17	Last Disc Date	D	10	MM/DD/YYYY
H18	Terms Discount Percent	N	7,3	Expressed as a Percent.
H19	Terms Discount Amount	N	14,3	Expressed as an amount
H20	Non-Disc Amount	N	14,3	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
H21	Approved to Pay	L	1	T = True, F = False
H22	Invoice Note	C	20	
H23	Terms are Default	L	1	T = Invoice Terms are the Vendor Default. F = Terms are not the Vendor Default
H24	Terms Description	C	20	The Terms of Payment for this Invoice
H25	PoUserDefData1	C	32	Free Form data
H26	PoUserDefData2	C	32	Free Form data
H27	PoUserDefData3	C	32	Free Form data
H28	POAttr1ShortName	C	8	Table Validated
H29	POAttr1LongName	C	32	Table Validated
H30	POAttr2ShortName	C	8	Table Validated
H31	POAttr2LongName	C	32	Table Validated
H32	POAttr3ShortName	C	8	Table Validated
H33	POAttr3LongName	C	32	Table Validated
D1	Batch Number	N	7	
D2	Transaction Number	C	6	
D3	GL Account Number	C	1-64	
D4	GL Account Name	C	32	
D5	GL Type	C	32	i.e. Asset, Expense, Liability
D6	GL Amount	N	14,3	
D7	Distribution Type	C	1	P (Posting Account- Only One) or D (Distribution Account- One or More)

ACCOUNTS PAYABLE CSV (CDF) EXPORT VERSION 3.0

CDF Version 3.0 is a **single flattened file** of the AP Export. Instead of two files, a single file is exported. The file has a ".csv" extension rather than a ".cdf" extension. The file name is fixed as: "apexport.csv". This version repeats the Invoice Header information on each line. Columns 1 – 27 would be identically repeated for each invoice. Columns 28 – 34 would be unique for the distribution detail.

Version 3.0 supports three of the PO Attributes. It does not support all six attributes. Version 3.1 is an extension of this format and it is recommended over 3.0 since it supports all of PO attributes. PO Attributes are optional system defined fields that are exported when an invoice is linked to a specific PO. These could be used to define capital projects or job codes. The Attribute fields are listed in **green** below.

APExport.csv for 3.0

Transmit File Example: APEXPORT.CSV

BatchNumber, TNumb, System Date, System Time, Version, DebitorCredit, VendorName, VendAka, InvoiceNumber, Reference, InvoiceDate, InvoiceAmt, Currency, CurrencyRate, SystemAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription, PoUserDefData1,POUserDefData2, POUserDefData3, BatchNumber, TNumb, GLAccountNumber, GLAccountName, GLType, GLAmount, DistributionType

Legend:

Column	Field Name	Type	Length	Comment
1	BatchNumber	N	7	1 – 9999999 and then recycles
2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
3	System Date	C	10	M/DD/YYYY. Date that record was created in export file
4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
5	Version	N	3,1	Version of this export. i.e. 2.1
6	Debit or Credit	C	1	D (Debit) or C (Credit)
7	Vendor Name	C	32	Vendor Name
8	Vendor Aka	C	25	Also Known As Vendor Account ID
9	Invoice Number	C	12	
10	Reference	C	12	Defaults to Originating Purchase Order Number
11	Invoice Date	D	10	MM/DD/YYYY
12	Invoice Amount	N	14,3	Amount in Vendors' Currency.
13	Currency	C	3	Currency i.e. USD, EUR, GBP
14	Currency Rate	N	9,5	Conversion Rate of currency conversion
15	System Amount	N	14,3	Invoice Amount converted to System Currency
16	Due Date	D	10	MM/DD/YYYY
17	Last Disc Date	D	10	MM/DD/YYYY
18	Terms Discount Percent	N	7,3	Expressed as a Percent
19	Terms Discount Amount	N	14,3	Expressed as an amount
20	Non-Disc Amount	N	14,3	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
21	Approved to Pay	L	1	T = True, F = False
22	Invoice Note	C	20	
23	Terms are Vendor Default	L	1	T = Invoice Terms are the Vendor Default. F = Terms are not the Vendor Default
24	Terms Description	C	20	The Terms of Payment for this Invoice
25	PoUserDefData1	C	32	Free Form data
26	PoUserDefData2	C	32	Free Form data
27	PoUserDefData3	C	32	Free Form data
28	BatchNumber	N	7	1 – 9999999 and then recycles (Repeat of Column 1)
29	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ (Repeat of Column 2
30	GL Account Number	C	64	
31	GL Account Name	C	32	
32	GL Type	C	32	(i.e., Asset, Expense, Liability)
33	GL Amount	N	14,3	
34	Distribution Type	C	1	P (Posting Account- Only One) or D (Distribution Account- One or More)

ACCOUNTS PAYABLE CSV (CDF) EXPORT VERSION 3.1

CDF Version 3.1 is a single flatten file of the AP Export. Instead of two files, a single file is exported. The file has a ".csv" extension rather than a ".cdf" extension. The file name is fixed as: "apexport.csv"

This version repeats the Invoice Header information on each line. Columns 1 – 33 would be identically repeated for each invoice. Columns 34 – 38 would be unique for the distribution detail.

Version 3.1 supports all Six of the PO Attributes. PO Attributes are optional system defined fields that are exported when an invoice is linked to a specific PO. These could be used to define capital projects or job codes. The Attribute fields are listed in **green** below. Version 3.1 is different from Version 3.0 in one other area – the Batch Number and Transaction Number fields are not repeated at the beginning of the distribution detail section.

APExport.csv for 3.1

Transmit File Example: APEXPORT.CSV

BatchNumber, TNumb, System Date, System Time, Version, DebitorCredit, VendorName, VendAka, InvoiceNumber, Reference, InvoiceDate, InvoiceAmt, Currency, CurrencyRate, SystemAmt, DueDate, LastDiscountDate, TermsDiscountPercent, TermsDiscountAmount, NonDiscountAmt, ApprovedtoPay, InvoiceNote, TermsAreVendorDefault, TermsDescription, PoUserDefData1,POUserDefData2, POUserDefData3, POAttr1ShortName, POAttr1LongName, POAttr2ShortName, POAttr2LongName, POAttr3ShortName, POAttr3LongName, GLAccountNumber, GLAccountName, GLType, GLAmount, DistributionType

Legend:

Column	Field Name	Type	Length	Comment
1	Batch Number	N	7	1 – 9999999 and then recycles
2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
3	System Date	C	10	MM/DD/YYYY Date that record was created in export file
4	System Time	C	8	HH:MM:SS Time (24H) that record was created in export file
5	Version	N	3,1	Version of this export. i.e., 3.1
6	Debit or Credit	C	1	D (Debit) or C (Credit)
7	Vendor Name	C	32	Vendor Name
8	Vendor Aka	C	25	Also Known As Vendor Account ID
9	Invoice Number	C	12	
10	Reference	C	12	Defaults to Originating Purchase Order Number
11	Invoice Date	D	10	MM/DD/YYYY
12	Invoice Amount	N	14,3	Amount in Vendors' Currency.
13	Currency	C	3	Currency i.e., USD, EUR, GBP
14	Currency Rate	N	9,5	Conversion Rate of currency conversion
15	System Amount	N	14,3	Invoice Amount converted to System Currency
16	Due Date	D	10	MM/DD/YYYY
17	Last Disc Date	D	10	MM/DD/YYYY
18	Terms Discount Percent	N	7,3	Expressed as a Percent.
19	Terms Discount Amount	N	14,3	Expressed as an amount
20	Non-Disc Amount	N	14,3	Portion of Invoice Amount that is excluded from a Terms discount. Typically Freight Charges
21	Approved to Pay	L	1	T = True, F = False
22	Invoice Note	C	20	
23	Terms are Vendor Default	L	1	T = Invoice Terms are the Vendor Default. F = Terms are not the Vendor Default
24	Terms Description	C	20	The Terms of Payment for this Invoice
25	PoUserDefData1	C	32	Free Form data
26	PoUserDefData2	C	32	Free Form data
27	PoUserDefData3	C	32	Free Form data
28	POAttr1ShortName	C	8	Table Validated
29	POAttr1LongName	C	32	Table Validated
30	POAttr2ShortName	C	8	Table Validated
31	POAttr2LongName	C	32	Table Validated
32	POAttr3ShortName	C	8	Table Validated
33	POAttr3LongName	C	32	Table Validated
34	GL Account Number	C	64	
35	GL Account Name	C	32	
36	GL Type	C	32	i.e. Asset, Expense, Liability
37	GL Amount	N	14,3	
38	Distribution Type	C	1	P (Posting Account- Only One) or D (Distribution Account- One or More)

ACCOUNTS PAYABLE XML EXPORT FOR DATAWORKS

Transmit Files: APEXPORT_XML_<BatchNo>_<YYYYMMDD>.Zip

Transmit File Example: APEXPORT.ZIP

The Zip file contains two XML files: APHeader.xml and APDetail.xml.

APHeader.XML

Column	Field Name	Type	Length	Comment
1	Version	C	6	Version of the export
2	Batch Number	N	6	nbatch
3	Invoice PK	C	6	cdapinvoice_pk
4	AP Batch FK	C	6	cdapbat_fk
5	Company FK	C	6	cdcomp_fk
6	System Time	T	18	tsystem
7	AP Type	C	8	cshortname_aptype
8	AP Type Sign (+ or -)	N	2	npositive_negative_aptype
9	Status FK	C	6	cdstatus_fk
10	Status Name	C	8	cshortname_status
11	Status Long Name	C	32	cname_status
12	Vendor FK	C	8	cdvend_fk
13	Vendor AKA	C	12	cvendaka
14	Vendor Name	C	32	cname_vendor
15	Vendor Status	C	1	cvendstatus
16	Vendor Account ID	C	32	courcustno
17	Factor FK	C	6	cdfactor_fk
18	Factor Name	C	32	cname_factor
19	Terms FK	C	32	cdterm_fk
20	Vendor Default Terms FK	C	8	cdterm_fk_vend
21	Invoice Number	C	12	cinvoice
22	Terms Short Name	C	8	cshortname_term
23	Terms Long Name	C	32	cname_term
24	Discount Term	N	12	ndiscperc_term
25	Reference	C	32	cref
26	Due Date	D	10	ddue
27	Invoice Date	D	10	dinvoice
28	Last Disc Date	D	1	dlastdisc
29	Currency Rate	N	12	ncurrencyrate
30	System Amount	N	12	ninvoamt_system
31	Currency Amount	N	12	ninvoamt_currency
32	Currency FK	C	6	cdcurrency_fk
33	Currency Symbol	C	1	csymbol_currency
34	Currency Name	C	3	cshortname_currency
35	Currency long Name	C	32	cname_currency
36	Non-Discount Amount	N	12	nnondiscamt
37	Currency Date Type	C	3	ccurrencydatetype
38	Currency Date	D	10	dcurrencydate
39	GL Account FK	C	6	cdchartacct_fk
40	Liability Acct Number	C	24	caccount_liab
41	Liability Acct Name	C	32	cname_liab
42	Liability Acct Type	C	32	cname_gltype
43	Note	C	64	cnote

APDetail.XML

Column	Field Name	Type	Length	Comment
1	Version	C	6	cversion
2	Batch Number	N	6	nbatchno
3	AP Invoice FK	C	6	capinvoice_fk
4	GL Account Number	C	64	caccount
5	GL Account Name			cname_glaccount
6	GL Type	C	32	i.e., Asset, Expense, Liability
7	GL Amount	N	14.3	namount

PHYSICAL INVENTORY IMPORTS

Two formats are supported for importing physical counts into the DataWorks physical system. Each Line is terminated with a carriage return:

File Name: Any Name. Recommend DWSS-BB.UPL extension. Where SS = Store Number. BB = Batch Number.

Item and Quantity

The counted quantity is entered using this method.

ItemNumber
CountedQty
ItemNumber
CountedQty

Legend:

Column	Field Name	Type	Length	Comment
1	Item Number	C	24	SKU's, and UPC's supported
2	Counted Qty	N	6	Positive. 0.001 to 999999.999

Item Only

The assumes a county quantity of"1" using this method.

ItemNumber
ItemNumber

Legend:

Column	Field Name	Type	Length	Comment
1	Item Number	C	24	SKU's, and UPC's supported

SALES IMPORTS

Sales Imports are broken up into two format methods. One is a Denoted file format that uses pipes as delimiters, and various embedded file markers to identify the import; the other is a Comma Delimited format that does not have any file makers embedded in the file.

ROW-DENOTED, PIPE-DELIMITED SALES IMPORT FORMATS

There are two types of Sales Imports: One a summary configuration; the other a detail configuration. Each Import Type has two formats: one with the retail price as an actual price, the other with retail price expressed as an extended sum.

The first format, the **Sales Summary Unit Retail**, is a summary of units sold by Store by Business date, with an actual retail.

The second format, the **Sales Summary Extended Retail**, is a summary of units sold by Store by Business date. Its format is the same as the Sales Summary Unit Retail, except the prices are extended prices instead of an individual each price.

The third format, **Sales Detail Unit Retail**, is a transactional detail of Sales. Invoice Number, Time of Sales, Method of Payment, Hour of Sale, etc. are included in the header of each transaction record. The detail record contains the item, the quantity sold, and the individual retail price, and actual price of the item.

The fourth format, **Sales Detail Extended Retail**, is also a Transactional Detail. Its format is the same as the Sales Detail Unit Retail, except that in the Detail record the prices are extended prices instead of an individual each price.

DATAWORKS POS PARTNER INTERFACE DATA TRANSFER

Secure FTP/S or SFTP Will Move Data

For each customer shared by a POS Partner and DataWorks, each organization will create an FTP/S or SFTP login account and site which will be used to transmit data. All references in this document to “directories” refers to a pathed directory under the / or home directory of the FTP site belonging to that login account.

For the sake of simplicity, the directory structure/name should be identical across all sites on the POS Partner and all sites on DataWorks. There is no necessity to use the “same” names across “common customer” connected sites, although that is an option that seems desirable.

A big advantage of FTP/S or SFTP is the level of built-in logging that is available to troubleshoot, from the client connection, and transmission failures, at least as supplied by certain libraries. We use the Chilkat FTP and SFTP libraries for many reasons. They work on every platform and with every development system (including .Net, Java, etc.) They have excellent logging by default, and a “verbose” flag for extending logging, settable at runtime. A suggestion communication error pattern would be a) get a connection error b) save the error information c) set the verbose flag d) attempt connection again e) get a connection error and f) log the verbose information.

DataWorks will be placing Inventory data files to the POS Partner in the directory specified by the POS Partner for that customer’s inventory data. DataWorks suggests this be one directory for all “facilities”, again for simplicity. This means less setup on both ends when a new facility comes online, etc. The data sent will include the facility for which the inventory is intended.

The process of these files may be time-sensitive when, for example, product must be received, ticketed, and then run up on the POS on the occasion of a delivery appearing in mid-day. DataWorks will place each Inventory file in a directory on the FTP site for a given client (or clients) as directed by the POS Partner.

DataWorks will also send requests for Sales data to the POS Partner. A request will arrive in a directory specified by the POS Partner for Sales Requests. The format will contain information as to “what facility” and “what day(s)” are requested. Each request file will contain only one request for one facility: this makes tracking request fulfillment one dimension less complex, at little cost in overall processing time/resources.

Both the POS Partner and DataWorks may (and chance being what it is, will) encounter "exceptions". For example, a Facility gets setup in DataWorks, and an Inventory item is sent which cannot be inserted/updated in the POS Partner due to a wrong value or whatever. Rather than have a rushed Support call, the POS Partner would then note the relevant information denoting the exception and place it in the **Exceptions directory** of the DataWorks FTP site. Likewise, the other way around, the POS Partner and DataWorks will automate the handling of exceptions to speed their resolution so that our common customer is not inconvenienced.

File naming conventions that uniquely identify each file's contents helps in the case of inevitable errors. <type>_<facility>_<UTCTimestamp>.zip is suggested. This eases the problem-solving process in mutual support calls.

If, for example, DataWorks has requested Sales from the POS Partner and that request has not been fulfilled over a given period of time (we will start at an hour, and then make it smaller based on response times we see), an exception would be logged. This prevents our need to a) monitor whether requests have been fulfilled while b) ensuring that issues are addressed before c) the customer notices.

When files are picked up from an Inventory directory or from a Sales Request directory, they should be moved to an archive directory. This archive directory could be cleaned up, but it is desirable to have some history. That's an indication that processing has been initiated. Thus, if DataWorks has pushed inventory to a store and we check a given amount of time later and the file is still present in the directory, we would file an Exception, which would trigger your Support to determine which actions to take. Because the Sales Request or Inventory file will be archived, the POS Partner Support or DataWorks Support will have all they need to investigate the issue.

Logging is an essential part of successful data transmission for tracking down the cause of missing information. We may or may not find it useful to make this data continually available to each other by dropping "log entries" into a Logs directory. The exceptions system described above is probably all that is required. This can be revisited as any additional need is uncovered.

Summary of Directories

POS Partner	DataWorks
Inventory	Sales
SalesRequests	Exceptions
Exceptions	

Value of Folder Change Event Driven Processing

The advantage of file-based data transfer is multi-fold. For one, a server that has to stay up 24/7 is no longer a requirement. For another, the gathering of the data and the transmission/receiving of the data are no longer constantly active processes. Additionally, with file-based data transfer, there is no question about whether a complete set of data has been transferred.

To bring data file transfer into the current era, where real-time communication is desirable from the customer and support perspective, we will implement file transfer notifications through directory watching technology. In marketing, this is touted as being desirable. The ability to do so is built into the development systems used by the POS Partner and that used by DataWorks.

When contents of a directory change an event fires that can then be used to process the change that has occurred.

The end result will be real-time communication that is greatly simplified from current web service models with all the advantages and less overhead.

Security

Do we need to encrypt the files? While we have had casinos require a VPN for FTP/S or SFTP data moving, we have encountered no requirement from them to encrypt our files. We have the capacity to do so, although if a requirement to go full KMS is required, that would be an additional and separate development effort.

Customer vs Location vs Facility

DataWorks is an Enterprise-ready Inventory Management System. A single Customer (e.g., a hotel chain like Hilton)

can have multiple Locations (e.g., Hilton Nashville) with multiple facilities. For the purposes of working with the POS Partner, we will be referencing only Location (e.g., Hilton Nashville) and facilities within a location. The mutual Customer can still manage inventory at the Enterprise Level, as we handle all the rest through our software.

Data Transfer Action Summary for the POS Partner

1. For each shared customer, the POS Partner will create
    a. An FTP/S or SFTP (preferred) login with its own / or home directory.
        i. That information will (for now) be shared via Email with DataWorks Support.
    b. In that home directory will exist watched folders for
        i. Inventory
            1. Inventory will be processed on delivery into the indicated facilities POS.
            2. Each file will be for one facility only.
            3. The file will be archived when picked up for processing.
            4. When the POS Partner is done with processing they rename the archive file to <existingname>_done.txt or if it fails <existingname>_failed.txt
        ii. SalesRequests
            1. A file will contain a request for a single facility only for a given day, or a given range of days (start/end).
        iii. Exceptions
            1. Each exception will note the file in which the exception occurred, the item within the file if relevant, and the field(s) in which the exception occurred.

Data Transfer Action Summary for DataWorks

1. For each shared customer DataWorks will create
    a. An FTP/S or SFTP (preferred) login with its own / or home directory. That information will be (for now) shared via Email with the POS Partner (as directed).
    b. In that home directory will be watched folders for
        i. Sales
            1. Sales will be processed on delivery into the indicated store's Sales data in the DataWorks system.
            2. The file will be moved when picked up for processing.
            3. When DataWorks is done with processing they rename the archive file to <existingname>_done.txt or if it fails <existingname>_failed.txt
        ii. Exceptions
            1. Each exception will note the file in which the exception occurred, the item within the file if relevant, and the field(s) in which the exception occurred.

Sales File Format

See **SLSMINEXTHDR4.0** in this document.

Handling Closed Checks That Are Reopened

Closed and then Reopened Checks can be handled in two ways that end up with the same required result: the user has an accurate summary of sales as they affect inventory and receipts (money received) against that inventory. DataWorks can work with either method. DataWorks doesn't have to know the method in advance. The POS Partner must use just those two methods, and no other methods --unless we talk together, decide it's workable, and then we code the handling of that additional method.

1. Make the changes to the original day's transactions (***This is the preferred method**)

    a. The POS Partner makes changes to the original day's charges/payments however they want, just so that the total sold and received for each item is the (new) accurate number. Whether this is by rewriting or adding adjusting entries does not matter, as we are looking at how many of each item

was sold, and how much was received in sum for each item.

b. The POS Partner creates a new Sales file for the day in question.
c. The POS Partner transmits the file to DataWorks as they would if a request for that day had been made.
d. The POS Partner also sends an "Exception" to the exception directory on DataWorks noting that this file has been created, noting the reason is for a closed/reopened check (or checks).
e. This **is the preferred method as it gives accurate sales day per day, which can be helpful in forecasting (e.g., Easter Sunday is likely to look quite different from the Monday after).**

2. Add an adjusting entry as if it were a sale

    a. The POS Partner makes an adjusting entry for the Check in their data that corrects the inventory level/money received for that Check. A decrement in quantity would be a minus (-) entry, etc. in the current day's (whatever day that works out to be) sales entries.
    b. That data will then be part of the sales file sent for that day.
    c. This method keeps inventory counts accurate but misrepresents actual sales for a given day.
        i. The difference is unlikely to be that large, so the harm done to forecasting is likely minimal.

Handling Closed Checks That Are Reopened

When the check is closed is the day of sale, from the perspective of DataWorks. Thus, regardless of the day the check was opened, the day on which the check was closed will be the day's sales with which the check will be included.

Frequency of Sales Request from DataWorks to the POS Partner

How often sales are requested is programmable in DataWorks. Most often once-a-day is sufficient for the customer's operational purposes. There are exceptions. Consider a golf tournament where 100+ stores are set up around the grounds. Knowing how morning sales have gone can be useful for restocking purposes.

In all cases where DataWorks requests sales for a given store, the POS Partner should send the entire day's sales information at the time the request is being processed.

Sales Request File Format

File Name Pattern : sr_revcntr_MMDDYYYYHHMMSS_<random8>.txt

MMDDYYYYHHMMSS is the Date/Time the request was generated.
<random8> = random C (8) string to guarantee uniqueness.

Transmit File Example : sr_200_03102020103200_47369443.txt

FaclRevCntNumber|SalesDate

200|20200310

Legend:

Column	Field Name	Type	Length	Comment
1	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
2	Sales Date	D	10	YYYYMMDD (request for sales for this date)

SL SALES FILE IMPORTS

SALES SUMMARY UNIT RETAIL IMPORT

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 1.0 ***This version has been deprecated.***

<SLSMINHDR1.0>|Tnumb
<D>| FaclRevCntNumber |SaleDate|ItemNumber|ClassNumber|QntySold|ActualRetail
<SLSMINTRL1.0>|Tnumb|RecCnt

Transmit File Example : Version 4.0

<SLSMINHDR4.0>|Tnumb
<D>|FaclRevCntNumber|SaleDate|ItemNumber|ClassNumber|Description|QtySold|ActualRetail
<SLSMINTRL4.0>|Tnumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	10	<*HDR#> *File Type prefix, #Version Number suffix
HDR2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
D1	Detail Marker	C	3	Fixed Marker <D>
D2	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
D3	Sale Date	D	10	Day of Sale MM/DD/YYYY
D4	Item Number	N	8	DataWorks assigned Number (SKU)
D5	Class Number	N	10	OPTIONAL. Blank for Lump Sum Discounts.
D6	Description	C	32	
D7	Qty Sold	N	11,4	
D8	Actual Retail	N	11,3	The Actual Price the item was sold for.
TRL1	Import Type Marker	C	10	<*TRL#> *File Type prefix, #Version Number suffix
TRL2	Transaction Number	C	6	Same as above
TRL3	Record Count	N	10	Includes Number of Rows written to file during an import.

SALES SUMMARY EXTENDED RETAIL IMPORT

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 1.0 ***This version has been deprecated.***

<SLSMINEXTHDR1.0>|Tnumb
<D>| FaclRevCntNumber |SaleDate|ItemNumber|ClassNumber|QntySold|ExtActualRetail
<SLSMINEXTTRL1.0>|Tnumb|RecCnt

Transmit File Example : Version 4.0

<SLSMINEXTHDR4.0>|Tnumb
<D>|FaclRevCntNumber|SaleDate|ItemNumber|ClassNumber|Description|QtySold|ExtActualRetail
<SLSMINEXTTRL4.0>|Tnumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	10	<*HDR#> *File Type prefix, #Version Number suffix
HDR2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
D1	Detail Marker	C	3	Fixed Marker <D>

D2	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
D3	Sale Date	D	10	Day of Sale MM/DD/YYYY
D4	Item Number	N	8	DataWorks assigned Number (SKU)
D5	Class Number	N	10	OPTIONAL. Blank for Lump Sum Discounts.
D6	Description	C	32	
D7	Qty Sold	N	11,4	
D8	Ext Actual Retail	N	14,3	Extended Actual Retail (Qty Sold * Actual Retail)
TRL1	Import Type Marker	C	10	<*TRL#> *File Type prefix, #Version Number suffix
TRL2	Transaction Number	C	6	Same as above
TRL3	Record Count	N	10	Includes Number of Rows written to file during an import.

SALES DETAIL UNIT RETAIL IMPORT

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 1.1 ***This version has been deprecated.***

<SLSMAXHDR1.1>|Tnumb
<H>|FaclRevCntNumber|SalesDate|HourofSale|InvoiceNumber|TerminalNumber|SalespersonNumber|Tender Number|Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber| QntySold| ListPrice| ActualRetail|Taxed?
<SLSMAXTRL1.1>|Tnumb|RecCnt

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 4.0

<SLSMAXHDR4.0>|Tnumb
<H>|FaclRevCntNumber|SalesDate|HourofSale|InvoiceNumber|TerminalNumber|SalespersonNumber|TenderNumber |Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber| Description| QtySold| ListPrice| ActualRetail|Taxed?
<SLSMAXTRL4.0>|Tnumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	10	<*HDR#> *File Type prefix, #Version Number suffix
HDR2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H1	Header Marker	C	3	Fixed Marker <H>
H2	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
H3	Sale Date	D	10	Day of Sale MM/DD/YYYY
H4	Hour of Sale	N	2	Hour of Sale (24H)
H5	Invoice Number	C	15	
H6	Terminal Number	C	10	Terminal where sale took place
H7	Salesperson Number	C	32	Employee
H8	Tender Number	C	10	
H9	Invoice Total	N	13,3	Includes Sales Tax Amount, but Excludes Any Tips
H10	Tax Amount 1	N	14,3	
H11	Tax Amount 2	N	14,3	
D1	Detail Marker	C	3	Fixed Marker <D>
D2	Line Number	N	4	
D3	Item Number	N	8	DataWorks assigned Number (SKU)
D4	Class Number	N	10	OPTIONAL. Blank for Lump Sum Discounts.
D5	Description	C	32	
D6	Qty Sold	N	11,4	
D7	List Price	N	11,3	Suggested List price of item that was sold

D8	Actual Retail	N	11,3	Actual Price the item was sold for
D9	Taxed ?	L	1	T = True, F = False
TRL1	Import Type Marker	C	10	<*TRL#> *File Type prefix, #Version Number suffix
TRL2	Transaction Number	C	6	Same as above
TRL3	Record Count	N	10	Includes Number of Rows written to file during an import.

SALES DETAIL EXTENDED RETAIL IMPORT

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 1.0 ***This version has been deprecated.***

<SLSMAXEXTHDR1.0>|Tnumb
<H>|FaclRevCntNumber|SalesDate|HourofSale|InvoiceNumber|TerminalNumber|SalespersonNumber|Tender Number|Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber| QntySold| ExtListPrice| ExtActualRetail|Taxed?
<SLSMAXEXTTRL1.0>|Tnumb|RecCnt

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 2.0 ***This version has been deprecated.***

<SLSMAXEXTHDR2.0>|Tnumb
<H>|FaclRevCntNumber|SalesDate|HourofSale|InvoiceNumber|TerminalNumber|CustomerAccountNo|SalespersonNumber|TenderNumber|Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber| QntySold| ExtListPrice| ExtActualRetail|Taxed?
<SLSMAXEXTTRL2.0>|Tnumb|RecCnt

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 3.0 ***This version has been deprecated.***

<SLSMAXEXTHDR3.0>|Tnumb
<H>|FAclRevCntNumber|SalesDate|TimeofSale|InvoiceNumber|TerminalNumber|CustomerAccount|SalespersonNumber|TenderNumber|Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber| QntySold| ExtListPrice| ExtActualRetail|Taxed?
<SLSMAXEXTTRL3.0>|Tnumb|RecCnt

File Name Pattern : SLYYMMDD.TXT

Transmit File Example : Version 4.0

<SLSMAXEXTHDR4.0>|Tnumb
<H>|FaclRevCntNumber|SalesDate|HourofSale|InvoiceNumber|TerminalNumber|CustomerAccount|SalespersonNumber|TenderNumber|Invoice Total|TaxAmount1|TaxAmount2
<D>|Lineno| ItemNumber| ClassNumber|Description| QtySold| ExtListPrice| ExtActualRetail|Taxed?
<SLSMAXEXTTRL4.0>|Tnumb|RecCnt

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	10	<*HDR#> *File Type prefix, #Version Number suffix
HDR2	Transaction Number	C	6	Transaction Number 1 – ZZZZZZ
H1	Header Marker	C	3	Fixed Marker <H>
H2	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)

H3	Sales Date	D	10	Day of Sale MM/DD/YYYY
H4	Hour of Sale	N	2	Hour of Sale (24H)
H5	Invoice Number	C	15	
H6	Terminal Number	C	10	Terminal where sale took place
H7	Customer Account Number	C	32	Account ID
H8	Salesperson Number	C	32	Employee
H9	Tender Number	C	10	
H10	Invoice Total	N	13,3	Includes Sales Tax Amount, but Excludes Any Tips
H11	TaxAmount1	N	14,3	
H12	TaxAmount2	N	14.3	
D1	Detail Marker	C	3	Fixed Marker <D>
D2	Line Number	N	4	
D3	Item Number	N	8	DataWorks assigned Number (SKU)
D4	Class Number	N	10	OPTIONAL. Blank for Lump Sum Discounts.
D5	Description	C	32	
D6	Qty Sold	N	11,4	
D7	Ext List Price	N	14,3	The Extended Suggested List price of item that was sold
D8	Ext Actual Retail	N	14,3	Extended Actual Retail (Qty Sold * Actual Retail)
D9	Taxed ?	L	1	T = True, F = False
TRL1	Import Type Marker	C	10	<*TRL#> *File Type prefix, #Version Number suffix
TRL2	Transaction Number	C	6	Same as above
TRL3	Record Count	N	10	Includes Number of Rows written to file during an import.

CDF SALES IMPORT

This format is for use with DataWorks Systems only. It is not supported in previous versions. This file has no internal record count validation or record markers. Note that this file is delimited by commas and not by pipes. Quotes are not used to delimit character fields. Field lengths are not important for a successful import. Field positions are extremely important and are established by the Version of the Import. It is imperative that no “stray” or extra commas are included in the import. Note that quantity sold does not have to be an integer. DataWorks allows for fractional quantities.

CDF MIN IMPORT (DAILY SUMMARY)

This format is a summary of units sold by Store by Business date, with net quantity and net revenue values. The Quantity Sold is the Net Quantity Sold, meaning the sum of Items Sold subtracted by the Quantity Returned. Typically, the Net Quantity Sold for a SKU is a positive number. In Summaries like this the Net Quantity Sold could be zero if an equal amount of the same SKU were sold and returned. When more returns occur than sales for an item, the Net Quantity Sold will be a negative number.

It is particularly important to note that the Extended Actual Retail field is the sum of an item’s selling price multiplied by the quantity sold less discounts. Here is a simple example: An item’s retail selling price is 5 dollars. During a business day 10 are sold and 2 are returned. Each time the item is sold or returned there were no discounts. At the end of the day the quantity sold value would be 8 and the extended actual retail value would be 40.00. For review, here is the math: (10 x 5.00 – 2 x 5.00)

Here is a more complex example that includes discounts. Again, the item’s retail selling price is 5 dollars and again 10 are sold and 2 are returned. What is different is this - on two of the sales that day a 10% discount was given to the customer. So, on two occasions the item sold for 4.50 instead of 5.00. In this case the quantity sold value is again 8, but this time the extended actual retail value would be 39.00. Here is the math: (8 x 5.00 + 2 x 4.50 – 2 x 5.00). It is critical that the discounts be netted into the value.

File Name Pattern : S_YYMMDDHHMMSS.CDF

Transmit File Example : Version1.0 ***This version has been deprecated.***

Version, RVC, SaleDate, ItemNumber, QtySold, ExtActualRetail

CDF MAX IMPORT (INVOICE DETAIL)

This format is a transactional record of items sold by Store by Business date by Invoice, with net quantity and net revenue values. The Quantity Sold is the Net Quantity Sold, meaning the Net of Items Sold and Returned. The Extended Actual Retail field is the value sold less any line item or lump sum sale discounts.

Transmit File Example : Version 2.0 ***This version has been deprecated.***

Version, RVC, SaleDate, Invoice, Terminal, SalesPerson, ItemNumber, QtySold, ExtActualRetail

Transmit File Example : Version 3.0

Version, FaclRevCntNumber, SaleDate, Invoice, HourMin, Terminal, SalesPerson, ItemNumber, Description, ClassNo, QtySold, ExtActualRetail

3.0,102,09/14/2020,2030,10:09,,,701533,,,1,64.0
3.0,102,09/14/2020,2031,10:32,,,700108,,,2,111.0
3.0,102,09/14/2020,2032,11:03,,,700109,,,1,55.5
3.0,102,09/14/2020,2033,14:08,,,700110,,,1,55.5
3.0,102,09/14/2020,2033,14:09,,,700113,,,1,55.5

Legend:

Column	Field Name	Type	Length	Comment
1	Version	C	6	Import Version. Value should be3.0
2	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
3	Sale Date	D	10	Day of Sale MM/DD/YYYY
4	Invoice	C	15	Invoice Number
5	Hour & Min	C	5	HH:MM Time of Sale (24H)
6	Terminal Number	C	10	Terminal where sale took place
7	Salesperson Number	C	32	Employee
8	Item Number	C	16	SKU, Menu Item or Barcode of Item Sold
9	Description	C	32	
10	Class Number	N	10	Category at POS – OPTIONAL Blank for Lump Sum Discounts
11	Qty Sold	N	11,4	
12	Ext Actual Retail	N	14,3	Extended Actual Retail (Qty Sold * Actual Retail)

POS PARTNER SALES IMPORTS

DataWorks provides two other sales imports. DW-3700 and DW-IG.

DW-3700

This format does not contain a version control number or validation for number of lines.

File Name Pattern : d_FaclRevCntNo_YYYYMMDD.txt

Transmit File Example : d_102_20200825.TXT

'Date Time',, FaclRevCntNumber, ItemNumber, QtySold, ,, ExtActualRetail

'2020-08-25 10:09:00',,102,701533,2,,,128.00
'2020-08-25 11:30:00',,102,700108,1,,,55.50
'2020-08-25 14:21:00',,102,700109,1,,,55.50
'2020-08-25 00:00:00',,102,700113,1,,,55.50

Legend:

Column	Field Name	Type	Length	Comment
1	*Sale Date & Time	T	19	Day of Sale YYYY-MM-DD HH:MM:SS (24H) with single quote at beginning and ending of field
2	Blank Field			Insert Comma Reserved for future use
3	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
4	Item Number	C	16	SKU, Menu Item or Barcode of Item Sold
5	Qty Sold	N	11,4	
6	Blank Field			Insert Comma Reserved for future use
7	Blank Field			Insert Comma Reserved for future use
8	Ext Actual Retail	N	14,3	Extended Actual Retail (Qty Sold * Actual Retail)

DW-IG

This format contains a marker at the beginning of the file.

File Name Pattern : igYYYYMMDD.TXT

Transmit File Example : ig20200828.txt

Marker, YYYYMMDD, FaclRevCntNumber, , ItemNumber, ListPrice, QtySold, ExtRetail

"M","20200828",102,0,701533,64.000,1, 64.00
"M","20200828",102,0,700108,55.500,1, 55.50
"M","20200828",102,0,700109,55.500,2,110.00
"M","20200828",102,0,700110,55.500,1, 55.50

Legend:

Column	Field Name	Type	Length	Comment
1	Import Type Marker	C	3	"M" (with double quotes)
2	Sale Date	D	10	YYYYMMDD Date of Sale
3	Facility Rev Center Number	C	10	Mapped to POS Identifier (Revenue Center)
4	Blank Field			Insert Comma Reserved for future use
5	Blank Field			Insert Comma Reserved for future use
6	Item Number	C	16	SKU, Menu Item or Barcode of Item Sold
7	List Price	N	11,3	Suggested List price of item that was sold (Retail)
8	Qty Sold	N	11,4	
9	Ext List Price	N	11,4	Extended Suggested List price (Qty Sold * List Price)

CHART OF ACCOUNTS IMPORT

Chart of Account imports are a way to create or update accounts within DataWorks via an import process from a text file. These files are formatted by a delimiter that is user defined with various optional embedded file markers to identify the import. Common extensions used for text files are .txt, .csv, .dat.

The delimiter embedded file marker <DELIMITER> is used to define what delimiter your import file is using. Often, we have seen vendors who only export comma separated files. Therefore, we have setup support for this. **The default**, if no delimiter is found, **is a comma separated file**. DataWorks recommends using pipes as delimiters as they are a character not normally found within data.

File Name Pattern : COA_YYYYMMDDHHMMSS

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by site on the Import Config form within DataWorks in the "Import File Mask" field.

DataWorks supports many fields for Chart of Accounts imports. Below is a legend of supported fields and whether or not they are required. The inclusion of non-required fields and the **order of the fields in your import file are defined per site on DataWorks' Import Config and Import Map forms**. A site can have multiple configurations of import files and they do not all have to be the same.

Where you see Column = "User Position", this means the user defines the column position in the configuration files.

Field lengths are supplied as a max width used; actual data in file is variable width.

Example:

<DELIMITER>|
Company No|GLAccountNumber|GLAccountName|GLAccountType|Status|GLAccountImportID

<DELIMITER>|
2|4050-20-300|Donations - Pub 21|Expense|T||
2|4060-20-000|Comp - Canadian Resorts|Expense|T||
2|4010-20-000|Freight Out - Canadian Resorts|Expense|T||

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Delimiter Marker	C	11	Fixed Marker <DELIMITER>
HDR2	Type of Delimiter	C	1	Pipe or Comma
User Position	Company Number	N	10	Required
User Position	GL Account Number	N	64	Required
User Position	GL Account Name	C	32	Required
User Position	GL Account Type	C	8	Required (Short Name)
User Position	GL Account Status	L	1	Required T = True (Active) , F = False (Not Active)
User Position	GL Account Import ID	C	32	External ID use to identify account

If an <Import Directory>\Archive directory is present the processed file will be stored there. If the archive directory is not present the system will attempt to create it.

If the file name is not unique, a unique file name will be created in the archive directory. A maximum of 100 files will be archived.

The import process is manually processed by clicking the Import button on the Chart of Accounts form.

Accounts inserted into the system via an import will have the following fields disabled for editing on the Chart of Accounts form : the GL Account Number, GL Account Name and GL Account Type. Accounts not imported will be editable.

PURCHASE ORDER IMPORT

PO Imports are a way to create purchase orders within DataWorks via an import process from a text file. These files are formatted by a delimiter that is user defined with various embedded file markers to identify the import. Common extensions used for text files are .txt, .csv, .dat.

The delimiter embedded file marker <DELIMITER> is used to define what delimiter your import file is using. Often, we have seen vendors who only export comma separated files. Therefore, we have setup support for this. The default, if no delimiter is found, is a comma separated file. DataWorks recommends using pipes as delimiters as they are a character not normally found within data.

The delimiter embedded file marker for the file header is completely user defined and optional. This is used to add validation to the PO import file, as the import will check for header, footer, and a total line number. The header string is defined per site on the Import Config form within DataWorks in the "Import Header" field. It must have HDR somewhere in the string as well as be encased in < >. The footer string should match the header string, with the substitution of HDR with TRL.

File Name Pattern : PO_YYYYMMDDHHMMSS

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by site on the Import Config form within DataWorks in the "Import File Mask" field. DataWorks recommends using PO_YYYYMMDDHHMMSS.txt format.

DataWorks supports many fields for PO imports, some are required to exist in the import, and some are optional. Import data is defined within the file with tags to identify PO Header, Other Charges and Detail information. Below is a legend of supported fields for each of these types of data. The inclusion of non-required fields and **the order of the fields in your import file are defined per site within DataWorks on the Import Config and Import Map forms**. A site can have multiple configurations of import files and they do not have to all be the same.

Example:

<POMAXHDR1.0>
<DELIMITER>|
<H>|VendName|POType ShortName|ShipTo FacilityName|BuyerName|Order Date|Anticipate Date|Cancel Date|
|Carrier Name|Internal Note|External Note
<O>|Financial Event|Amount|Internal Note|ExternalNote
<D>|SKU/Barcode|Order Qty|Allocation Facility Name|Ticket|Vendor Product Number
<POMAXTRL1.0>|RecCnt

<POMAXHDR1.0>
<DELIMITER>|
<H>|Ralph Lauren|Basic|Warehouse - South Pacific|Sandy Woods|2021-02-01|2021-02-01|2021-04-01|United Parcel Service|Re-stock|
<O>|Freight In|15.95|Re-stock|
<D>|700143|12|Warehouse - South Pacific|T|345-MP
<D>|700144|12|Warehouse - South Pacific|T|345-MP
<D>|700145|24|Warehouse - South Pacific|T|345-MP
<D>|700146|24|Warehouse - South Pacific|T|345-MP
<POMAXTRL1.0>|9

PO Header

The start of the line of data must begin with <H> and delimiter. Only one PO and <H> line is supported per file for import. Field lengths are supplied as a max width used, actual data in file is variable width.

Other Charges

The start of the line of data must begin with <O> and delimiter. Multiple lines for other charges are supported per file for import. Field lengths are supplied as a max width used, actual data in file is variable width.

PO Detail

The start of the line of data must begin with <D> and delimiter. Multiple detail lines are supported per file for import. Field lengths are supplied as a max width used, actual data in file is variable width.

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	10	<*HDR#> *Import Header prefix, #Version Number suffix
HDR2	Delimiter Marker	C	11	Fixed Marker <DELIMITER>
HDR3	Type of Delimiter	C	1	Pipe (|) or Comma
H1	Header Marker	C	3	Fixed Marker <H>
User Position	Vendor Name	C	32	Required
User Position	PO Type Short Name	C	8	Required
User Position	Ship To Facility Name	C	32	Required
User Position	PO Bill To	C	1	1|Facility|2|Company|3|Co. Name & Facility Address|
User Position	PO Number	C	32	PO Order Number
User Position	Order Date	D	10	YYYY-MM-DD Date order placed.
User Position	Anticipate Date	D	10	YYYY-MM-DD Date expected order to be complete.
User Position	Start Ship Date	D	10	YYYY-MM-DD Date for vendor to start shipping order.
User Position	Cancel Date	D	10	YYYY-MM-DD Date to cancel order if not delivered.
User Position	Buyer Name	C	32	Required (Employee Name)
User Position	Company Name	C	32	
User Position	Vendor Rep Name	C	32	
User Position	Season Name	C	32	
User Position	FOB Terms Name	C	32	
User Position	Carrier Name	C	32	
User Position	Terms Name	C	32	
User Position	Allowance Percent	N	3,0	Allowance Percent to use on PO
User Position	Allowance Ok	L	1	T = True, F = False
User Position	Currency Name	C	32	
User Position	Facility Approval Required	L	1	T = True, F = False
User Position	Drop Shipments	L	1	T = True, F = False
User Position	PO Attribute 1 Name	C	32	
User Position	PO Attribute 2 Name	C	32	
User Position	PO Attribute 3 Name	C	32	
User Position	Internal Note	C	Memo	Internal Note for PO
User Position	External Note	C	Memo	External Note for PO
O1	Import Type File Marker	C	3	Fixed Marker <O>
User Position	Financial Event	C	32	Financial Event Name
User Position	Amount	N	12,3	Other Charge Amount
User Position	Internal Note	C	Memo	Internal Note for Other Charges
User Position	External Note	C	Memo	External Note for Other Charges
D1	Import Type File Marker	C	3	Fixed Marker <D>
User Position	Product Line No	N	4	Product Line No for PO
User Position	SKU Line No	N	4	SKU Line No for PO relative to Product

User Position	Vendor Part Number	C	32	Required (MFR/Vendor Part Number)
User Position	Barcode/SKU	C	32	Required
User Position	Allocation Facility Name	C	32	Required
User Position	Cost	N	10,3	Cost of Item
User Position	Retail	N	11,3	Price of item
User Position	Discount Percent	N	3,0	Percent of discount for this product
User Position	Anticipate Date	D	10	YYYY-MM-DD Date product is expected to arrive.
User Position	Ticket	L	1	T = True, F = False (Ticket Items)
User Position	Order Qty	N	11,4	Required
User Position	Internal Note	C	Memo	Internal Note for Product
User Position	External Note	C	Memo	External Note for Product
TRL1	Import Type Marker	C	10	<*TRL#> *Import Header prefix, #Version Number suffix
TRL2	Record Count	N	10	Includes Number of Rows written to file during an import.

VENDOR IMPORT

Vendor imports are a way to create Vendors and Manufacturers. If the optional field “Vendor Is MFR” is true it will create a matching Manufacturer record for the Vendor. These files are formatted by a delimiter that is user defined with various embedded file markers to identify the import. Common extensions used for text files are .txt, .csv, .dat.

The delimiter embedded file marker <DELIMITER> is used to define what delimiter your import file is using. Often, we have seen vendors who only export comma separated files. Therefore, we have setup support for this. **The default**, if no delimiter is found, **is a comma separated file**. DataWorks recommends using pipes as delimiters as they are a character not normally found within data.

File Name Pattern : VEND_YYYYMMDDHHMMSS

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by site on the Import Config form within DataWorks in the ”Import File Mask” field.

DataWorks supports many fields for Vendor imports, some are required to exist in the import, and some are optional. Below is a legend of supported fields. The inclusion of non-required fields **and the order of the fields in your import file are defined per site** within DataWorks on the Import Config and Import Map forms. A site can have multiple configurations of import files and they do not have to all be the same.

Where you see Column = “User Position”, this means the user defines the column position in the configuration files. Field lengths are supplied as a max width used; actual data is variable width.

Vendors can be imported via Actions -> Inventory -> Utilities

Example:

<DELIMITER>|
VendName|VendorAKA|AddressLine1|City|State|ZipPostCode|CountryName|ReturnVendOK|Terms

<DELIMITER>|
Culture Diva|CD:214|1701 West Broadway|New York|NY|11007|United States|T|Net 30|

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	11	<DELIMITER>
HDR2	Type of Delimiter	C	1	Pipe (|) or Comma (,)
User Position	Vendor Account External ID	C	32	Optional External ID use to identify vendor
User Position	Vendor Name	C	32	Required
User Position	Vendor ID	C	32	Needed for AP Module AKA Account Number
User Position	Vendor Type Short name	C	8	Vendor type short name as defined in DataWorks
User Position	Vendor Contact	C	32	Name of Contact at Vendor
User Position	Account No	C	15	Your account number with the Vendor
User Position	Factor Name	C	32	
User Position	Return to Vendor OK	L	1	T = True, F = False
User Position	FOB Short name	C	8	
User Position	Receipt Type Short Name	C	8	Default Shipping Doc i.e.:, Invoice or PackSlip
User Position	Currency Short Name	C	8	
User Position	Terms Short name	C	8	Default AP Terms i.e.:, Net 30, COD
User Position	Allowance Min Amount	N	12,3	Minimum purchase amount to qualify for allowance
User Position	Min Qty Order Level	N	11,4	Minimum quantity user has to purchase
User Position	Min Cost Order Level	N	12,3	Minimum cost user has to purchase
User Position	Min UOM Order Level	N	11,4	Minimum quantity user has to purchase for UOM products
User Position	Carrier Short name	C	8	
User Position	Cancel PO Method	C	1	N-Never, I-Immediately, C-Cancel Date
User Position	Days after Cancel Date	N	3,0	Grace period days after cancel date to cancel order.

User Position	Vendor Note	M		
User Position	Vendor Status	C	1	W-Wait, A-Approve, I-Inactive
User Position	Time to Floor	N	4,0	Estimate Vendor Time to Floor
User Position	Ticket Option	C	1	R-Receiving, P-Purchase Order, A-Allow Choice, N-None needed
User Position	Ticket Type Exception Name	C	8	
User Position	Qty Allocation Method	C	1	A-Product, M-SKU
User Position	Facility Population Method	C	1	A-All, S-Stores Only, W-Warehouses, T-Ship to, M Manual
User Position	Qty Decimals	C	1	0,1,2,3,4
User Position	Cost Decimals	C	1	0,1,2,3
User Position	PO Output Option	C	1	S-Screen, P-Print, E-Email
User Position	No Retail Price Needed	L	1	T = True, F = False i.e.:, Food items that do not have retail prices
User Position	Zip/Postal Code	C	10	Required
User Position	Country Name	C	32	Required
User Position	Address Line 1	C	35	
User Position	Address Line 2	C	35	
User Position	Address Line 3	C	35	
User Position	City	C	35	
User Position	State/Providence	C	5	
User Position	Phone 1	C	14	
User Position	Phone 1 Ext.	C	5	
User Position	Phone 2	C	14	
User Position	Phone 2 Ext.	C	5	
User Position	Phone 3	C	14	
User Position	Phone 3 Ext.	C	5	
User Position	Fax	C	14	
User Position	Fax Ext.	C	5	
User Position	Email	C	128	
User Position	Website	C	128	
User Position	Vendor is MFR	L	1	T = True, F = False Is the Vendor the Manufacturer?
User Position	MFR Type Short name	C	8	
User Position	Barcode Type Short name	C	8	
User Position	MFR Report Group Short name	C	8	
User Position	MFR Has Barcodes	L	1	T = True, F = False Does this MFR ship UPC on product?
User Position	UCC Company Prefix	C	10	MFR UPC/Barcode prefix
User Position	MFR Has Color	L	1	T = True, F = False Does this MFR have products with Colors?

VENDOR PRODUCT (VENDOR CATALOG) IMPORT

Vendor Product imports are a way to create and update the vendor product information in DataWorks for products via an import process from a text file. These files are formatted by a delimiter that is user defined with various embedded file markers to identify the import. Common extensions used for text files are .txt, .csv, .dat.

The delimiter embedded file marker <DELIMITER> is used to define what delimiter your import file is using.

Often, we have seen vendors who only export comma separated files. Therefore, we have setup support for this. The **default**, if no delimiter is found, **is a comma separated file**. DataWorks recommends using pipes as delimiters as they are a character not normally found within data.

File Name Pattern: VNPRD_YYYYMMDDHHMMSS

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by site on the Import Config form within DataWorks in the "Import File Mask" field.

DataWorks supports many fields for Vendor Product imports. Some are required to exist in the import, and some are optional. Below is a legend of supported fields. The inclusion of non-required fields **and the order of the fields in your import file are defined per site** within DataWorks on the Import Config and Import Map forms. A site can have multiple configurations of import files and they do not have to all be the same.

Where you see Column = "User Position", this means the user defines the column position in the configuration files. Field lengths are supplied as a max width used; actual data is variable width.

Vendor Products can be imported via Actions -> Purchase Order -> Utilities -> Import Vendor Pricing

Example:

<DELIMITER>|
VendName|VendPartNo|Level1Qty|Level1Cost|MFRProdNo|MFRName|SubClassShortName|ProdAttribute1ShortName|OrderUOM|AllocateUOM|Level1ReplaceCost|EffectiveReplaceDate|OrderUOMMultiplier

<DELIMITER>|
Acme|345-09Y|1.0|23.50|345-09Y|Acme|WSSlv|COLOGO|EA|EA|23.75|2021-02-01|1
Costco|DST:421|1.0|54.00|STP:9809|Office Depot|OffSupp|None|Case24|Dz||24

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	11	<DELIMITER>
HDR2	Type of Delimiter	C	1	Pipe (|) or Comma (,)
User Position	Vendor Product External ID	C	32	External ID used to identify Vendor Product
User Position	Vendor Name	C	32	Required
User Position	Vendor Part Number	C	32	Required
User Position	Sequence No.	N	4,0	Order to see displayed product
User Position	Time to Floor	N	4,0	Estimate of Vendor's time to floor
User Position	Minimum Order Qty	N	11,4	Minimum quantity user has to purchase
User Position	Qty Order Default	N	11,4	Vendors default order quantity
User Position	Effective Replacement Cost Date	D	10	YYYY-MM-DD Date to trigger the Level x Replacement Cost
User Position	Level 1 Qty	N	11,4	Required Quantity needed to get Level 1 Cost
User Position	Level 1 Cost	N	10,3	Required Cost if ordering at least Level 1 Qty
User Position	Level 1 Replacement Cost	N	10,3	Cost for Level 1 to use after Effect Replacement Cost Date
User Position	Level 2 Qty	N	11,4	
User Position	Level 2 Cost	N	10,3	
User Position	Level 2 Replacement Cost	N	10,3	
User Position	Level 3 Qty	N	11,4	
User Position	Level 3 Cost	N	10,3	

User Position	Level 3 Replacement Cost	N	10,3	
User Position	Level 4 Qty	N	11,4	
User Position	Level 4 Cost	N	10,3	
User Position	Level 4 Replacement Cost	N	10,3	
User Position	Level 5 Qty	N	11,4	
User Position	Level 5 Cost	N	10,3	
User Position	Level 5 Replacement Cost	N	10,3	
User Position	Note	C	Memo	Vendor Product Notes
User Position	Manufacturer Name	C	32	Required
User Position	SubClass Short name	C	8	Required
User Position	MFR Product Number	C	32	Required
User Position	Product Attribute 1 Name	C	32	Required
User Position	Order UOM Name	C	32	Required Order UOM Base Unit Name
User Position	Allocation UOM Name	C	32	Required Allocate UOM Base Unit Name
User Position	Order UOM Multiplier	N	9,3	Needed if Order UOM is NOT equal to 1
User Position	Ship UOM Multiplier	N	9,3	Needed if Ship UOM is NOT equal to 1

VENDOR PRODUCT (VENDOR CATALOG) IMPORT EDI-832 FORMAT

DataWorks supports a version of the Price/Sales Catalog Transaction Set (832) for use within the context of an Electronic Data Interchange (EDI) environment. Please contact us for more details of what we support within this transaction set. Below is a list of fields in Dataworks that we update from data in the 832 files. See Reference link for 832 specification. **Ref:** http://www.x12.org/x12org/Subcommittees/X12J/ts/832.htm

File Name Pattern : Vend###_Account_YYYYMMDDHHMMSS.832

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by the Vendor and DataWorks fills in the pattern on the Import Config form in the "Import File Mask" field.

Vendor Products can be imported via Actions -> Purchase Order -> Utilities -> Import Vendor Pricing

Example Partial Data:

ST*832*0001~BCT*PC~REF*BC*9999999*Description~DTM*007*20010101~N1*OB**ZZ*9999999999~ ....
LIN*814*VC*1234567*****MG*1473*BL*EDYDREY~DTM*007*20010101~PID*F****ICE CREAM COOKIE DOUGH~PO4*1*3*CA**U*8.95*CA~CTP**CAT*12.15*1*CA~
LIN*815*VC*1234568*****MG*STK03324*BL*BBRLCLS~DTM*007*20010101~PID*F****CHEESE AMER 120 DELI SLI YEL~PO4*4*5*CA**U*12*CA~CTP**CAT*20.32*1*CA~

Legend:

Field Name	Type	Length	Comment
Vendor Name	C	32	Required
Vendor Part Number (Lookup)	C	32	Required
Level 1 Qty	N	11,4	Required Quantity needed to get Level 1 Cost
Level 1 Cost	N	10,3	Required Cost if ordering at least Level 1 Qty
Level 1 Replacement Cost	N	10,3	Required Cost for Level 1 to use after Effect Replacement Cost Date
Level 1 Weight Unit Cost	N	10,3	Required
Level 1 Weight Replacement Unit Cost	N	10, 3	Required
Has Catchweight	L	1	Required T= True, F = False
Manufacturer Name	C	32	Required
MFR Product Number	C	32	Required
SubClass Short name	C	8	Required
Product Attribute 1 Short Name	C	32	Required
UOM Short Name	C	8	Required
Order UOM Name	C	32	Required Order UOM Base Unit Name
Typical Catch Weight			
Vendor Product Description			

PRODUCT AND SKU IMPORT

Product and SKU imports are a way to create and update (using the External ID field) the product and SKU records in DataWorks. This is done via an import process from a text file. These files are formatted by a delimiter that is user defined with various embedded file markers to identify the import. Common extensions used for text files are .txt, .csv, .dat.

The delimiter embedded file marker <DELIMITER> is used to define what delimiter your import file is using. Often, we have seen vendors who only export comma separated files. Therefore, we have setup support for this. **The default**, if no delimiter is found, **is a comma separated file**. DataWorks recommends using pipes as delimiters as they are a character not normally found within data.

File Name Pattern : SKU_YYYYMMDDHHMMSS

Should be defined with a prefix, then a unique identifier. Naming conventions are defined by site on the Import Config form within DataWorks in the "Import File Mask" field.

DataWorks supports many fields for Product and SKU imports, some are required to exist in the import, and some are optional. Below is a legend of supported fields. The inclusion of non-required fields and **the order of the fields in your import file are defined per site within DataWorks on the Import Config and Import Map forms**. A site can have multiple configurations of import files and they do not have to all be the same.

Where you see Column = "User Position", this means the user defines the column position in the configuration files. Field lengths are supplied as a max width used; actual data is variable width.

Product & SKUs can be imported via Actions -> Inventory -> Utilities -> Import Product & SKU

Example:

<DELIMITER>|
MFR|SubClassShortName|MFRProdNo|Description|Attribute1ShortName|SizeGridShortName|ColorPaletteShortName|UOMTypeShortName|SKUMethod|Color|Size|UOMShortName

<DELIMITER>|
Thread|WSSlv|TH:0729|Love Today|None|XS-XXXL|Basic|EA Only|S|Blue|XS|Ea
Thread|WSSlv|TH:0729|Love Today|None|XS-XXXL|Basic|EA Only|S|Blue|S|Ea
Thread|WSSlv|TH:0729|Love Today|None|XS-XXXL|Basic|EA Only|S|Blue|M|Ea
Thread|WSSlv|TH:0729|Love Today|None|XS-XXXL|Basic|EA Only|S|Blue|L|Ea

Legend:

Column	Field Name	Type	Length	Comment
HDR1	Import Type Marker	C	11	<DELIMITER>
HDR2	Type of Delimiter	C	1	Pipe (|) or Comma (,)
User Position	SKU External ID	C	32	
User Position	MFR Name	C	32	Required
User Position	Inventory Type Short Name	C	8	
User Position	SubClass Short Name	C	8	Required
User Position	Financial SubClass Short Name	C	32	
User Position	Season Name	C	32	
User Position	MFR Product Number	C	32	Required
User Position	Product Description	C	32	Required
User Position	Product Attribute 1 Short Name	C	8	Required
User Position	Product Attribute 2 Short Name	C	8	
User Position	Product Attribute 3 Short Name	C	8	
User Position	Product Attribute 4 Short Name	C	8	
User Position	Product Attribute 5 Short Name	C	8	
User Position	Product Attribute 6 Short Name	C	8	
User Position	Product User Defined 1	C	32	

User Position	Product User Defined 2	C	32	
User Position	Product User Defined 3	C	32	
User Position	Product User Defined 4	C	32	
User Position	Product User Defined 5	C	32	
User Position	Product User Defined 6	C	32	
User Position	Base Cost	N	10,3	
User Position	Cost	C	8	
User Position	Retail	N	11,4	
User Position	Currency Short Name of Retail	C	8	
User Position	Size Grid Short Name	C	8	Required
User Position	Color Pallet Short Name	C	8	Required
User Position	UOM Type Short Name	C	8	Required
User Position	SKU Enumeration Method	C	1	Required S- Color/Size, U – UOM, N – Single SKU
User Position	Freight Modifier	N	3	
User Position	Ticket Type Exception	C	8	Ticket Type Short Name
User Position	Product Notes	C	Memo	
User Position	SKU	N	8	
User Position	SKU Alias	C	32	
User Position	Color	C	10	Required
User Position	Size	C	10	Required
User Position	Size Modifier	C	10	
User Position	UOM Short Name	C	8	Required
User Position	Barcode List	C	Memo	Variable Length

CUSTOMER IMPORT

Customer imports are a way to create and update the customer records in DataWorks via an import process.

We currently support an XML format with Microsoft RMS systems.

File Name Pattern : CUSTOMER_YYYYMMDDHHMMSS.XML

Naming convention is defined by site on the Import Config record in DataWorks in the Import File Mask field.

DataWorks supports many fields for customer imports. Below is a legend of supported fields. The order of the fields in your import file are defined per site within DataWorks on the Import Config and Import Map forms. A site can have multiple configurations of import files and they do not have to all be the same.

Legend:

Column	Field Name	Type	Length	Comment
User Position	Cust GUID 4	C	36	Unique GUID for customer
User Position	Cust HQID	N	10	Used when two-way communication occurs in interface
User Position	Cust External ID	C	32	Unique External ID for customer
User Position	Cust POS ID	N	10	Unique POS ID for customer
User Position	Cust Status	C	1	A-Active, I-Inactive
User Position	Cust Title	C	24	
User Position	Cust First Name	C	64	
User Position	Cust Last Name	C	64	
User Position	Cust Company Name	C	64	
User Position	Cust Override Lookup Name	L	1	T = True, F = False
User Position	Cust Account ID	C	32	
User Position	Cust Tax ID Number	C	32	
User Position	Cust Type	C	1	P= Person, B = Business
User Position	Cust Category Short Name	C	8	Customer Category Short Name
User Position	Cust Account Type Short Name	C	8	Customer Account Type Short Name
User Position	Cust Override Discount Percent	L	1	T = True, F = False
User Position	Cust Discount Percent	N	7,3	
User Position	Customer Price Level Short Name	C	8	Price Level Short Name When Using Price Level Override
User Position	Cust Address 1	C	64	
User Position	Cust Address 2	C	64	
User Position	Cust Address 3	C	64	
User Position	City	C	50	
User Position	State/Province	C	8	
User Position	Zip/Postal Code	C	10	
User Position	Email	C	128	
User Position	Website	C	128	
User Position	Fax	C	18	
User Position	Fax Ext	C	5	
User Position	Phone 1 Type	C	1	P-Phone, C-Cell, H-Home, W-Work
User Position	Phone 1	C	18	
User Position	Phone 1 Ext	C	5	
User Position	Phone 2 Type	C	1	P-Phone, C-Cell, H-Home, W-Work
User Position	Phone 2	C	18	
User Position	Phone 2 Ext	C	5	
User Position	Phone 3 Type	C	1	P-Phone, C-Cell, H-Home, W-Work
User Position	Phone 3	C	18	
User Position	Phone 3 Ext	C	5	
User Position	Cust Notes	C	Memo	
User Position	Last Edit Employee Name	C	32	Employee Name as defined in DataWorks
User Position	Salesperson Name	C	32	Employee Name as defined in DataWorks

User Position	Default Carrier Short Name	C	8	Carrier Short Name as defined in DataWorks
User Position	AR Customer	L	1	T = True , F = False
User Position	Limit Purchase	L	1	T = True , F = False
User Position	Assess Finance Charges	L	1	T = True , F = False
User Position	Credit Limit	N	14,3	
User Position	Account Balance	N	14.3	
User Position	Last Closing Balance	N	14,3	
User Position	Last Closing Date	T	19	YYYY-MM-DDTHH:MM:SS
User Position	Global Customer	L	1	T = True , F = False
User Position	Employee Customer	L	1	T = True , F = False
User Position	Tax Exempt	L	1	T = True , F = False
User Position	Layaway Customer	L	1	T = True , F = False
User Position	Cust Ship to HQID	N	10	
User Position	Cust Date Added	T	19	YYYY-MM-DDTHH:MM:SS
User Position	Cust Last Edit	T	19	YYYY-MM-DDTHH:MM:SS
User Position	Cust Last Purchased	T	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Date 1	D	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Date 2	D	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Date 3	D	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Date 4	D	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Date 5	D	19	YYYY-MM-DDTHH:MM:SS
User Position	User Defined Number 1	N	14, 3	
User Position	User Defined Number 2	N	14, 3	
User Position	User Defined Number 3	N	14,3	
User Position	User Defined Number 4	N	14,3	
User Position	User Defined Number 5	N	14,3	
User Position	User Defined Text 1	C	30	
User Position	User Defined Text 2	C	30	
User Position	User Defined Text 3	C	30	
User Position	User Defined Text 4	C	30	
User Position	User Defined Text 5	C	30	
User Position	Cust Additional GUID	C	36	
User Position	Cust Additional HQID	N	10	
User Position	Sequence Number	N	3	Customer Address Sequence Number
User Position	Cust Additional Name	C	64	
User Position	Cust Additional Address 1	C	64	
User Position	Cust Additional Address 2	C	64	
User Position	Cust Additional Address 3	C	64	
User Position	Cust Additional City	C	50	
User Position	Cust Additional State/Province	C	8	
User Position	Cust Additional Zip/Postal Code	C	10	
User Position	Cust Additional Email	C	128	
User Position	Cust Additional Phone	C	18	
User Position	Cust Additional Fax	C	18	
User Position	Cust Additional Last Edit	T	19	YYYY-MM-DDTHH:MM:SS
User Position	Cust Seasonal Address	L	1	T = True, F = False
User Position	Seasonal Month Beg	N	2	
User Position	Seasonal Month End	N	2	
User Position	Default Ship To	L	1	T = True, F = False
User Position	Customer Additional Company	C	64	
User Position	Cust Additional Cust HQID	N	10	
User Position	Customer Price Level Number	N	10	
User Position	Default Ship To ID	N	10	
User Position	Cust Additional Cust POS ID	N	10	

DATAWORKS INVENTORY CONVERSION IMPORT FORMATS

The following tables contain pertinent information on our fields list necessary for importing data to DataWorks. These are fixed width files. The starting position is an absolute requirement. The following legend exists:

- Field Name = Field list name
- Type = Data Type
- Length = Length of field, with decimals length
- Start = Starting Position
- Required = Allow a Null value or not
- Notes = Any special notes that need clarification for the conversion

Warning: File format supported is Fixed Width for conversions.

We assume that the data is normalized and unique. Imports can run during production mode and are not exclusive to startups. Imports are meant for Inserts only. They are not intended for use as a batch update tool.

Before an Import is Run These Steps Must Be Taken Inside the DataWorks Application:

- Company and Facility information **must be** entered. The Facility Number in the Facility Table will be matched with the Facility Number in the Inventory Import.
- Merchandise Hierarchy **must be** setup for all SubClasses defined in Product import (and **at least one record** in the Division, SubDivision, Department, SubDepartment, and Class tables). The SubClass Short Name will be matched with the Product File Import.
- A Season called 'BASIC' **must be** defined.
- A Color called 'NONE' **must be** defined
- System Administrative Default settings **must be** configured. These Defaults will be used in the creation of many records.
- Default Barcode Type
- Default Unit of Measure

During the Import Run:

Many additional tables will be created automatically from the import of some tables.

- A test for uniqueness on Product import will be performed. A combination of Manufacturer/Vendor + SubClass + Manufacturer Product Number+ Attribute 1 will be conducted.
- Descriptions of problems with the Import will be written to a file in the following files:
- inve_errors.txt
- vend_errors.txt
- subclass_errors.txt
- On subsequent runs of the import the error file will be overwritten.
- After the initial and subsequent import(s), the <import_filename>_errors.txt will be written to contain only records of data that has had a problem during the import.
- The correct sequence of imports is mandatory.

VENDOR

The tables and values required to be defined in DataWorks prior to a Vendor import are: Vendor Type, Country, Terms, FOB and Currency. This is needed so the values used in the import file as defined below will be found during conversion.

Legend:

Field Name	Type	Length	Start	Required	Notes
Vendor Name	C	32	1	Yes	Must be unique in system
Vendor Aka	C	32	33	Yes	Must be unique in system
Vendor Type	C	8	65	Yes	
Contact	C	32	73		
Our Customer No	C	15	105		
Address	C	35	120		
Address2	C	35	155		
Address3	C	35	190		
City	C	35	225		
State	C	5	260		
Zip	C	10	265	Yes	
Phone	C	14	275		
Fax	C	14	289		
Terms	C	8	303	Yes	
FOB	C	8	311		
Currency	C	8	319		
Country	C	8	327	Yes	
Vendor is MFR	L	1	335	Yes	If Vendor is also MFR set to T
MFR Only	L	1	336	Yes	If record is MFR but NOT Vendor set to T

SUBCLASS

Legend:

Field Name	Type	Length	Start	Required	Notes
Short Name Division	C	8	1	Yes	Must be unique at level
Name Division	C	32	9	Yes	Must be unique at level
Number Division	N	8,0	41		
Short Name SubDivision	C	8	49	Yes	Must be unique at level
Name SubDivision	C	32	57	Yes	Must be unique at level
Number SubDivision	N	8,0	89		
Short Name Department	C	8	97	Yes	Must be unique at level
Name Department	C	32	105	Yes	Must be unique at level
Number Department	N	8,0	137		
Short Name SubDepartment	C	8	145	Yes	Must be unique at level
Name SubDepartment	C	32	153	Yes	Must be unique at level
Number SubDepartment	N	8,0	185		

Short Name Class	C	8	193	Yes	Must be unique at level
Name Class	C	32	201	Yes	Must be unique at level
Number Class	N	8,0	233		
Short Name SubClass	C	8	241	Yes	Must be unique at level
Name SubClass	C	32	249	Yes	Must be unique at level
Number SubClass	N	8,0	281		

INVENTORY

The Tables and values required to be defined in DataWorks prior to import are: Manufacturer, SubClass, Season, Inventory Type, UOM Type, UOM, Vendor and Facility. This is needed so the values used in the import file as defined below will be found during conversion.

Legend:

Field Name	Type	Length	Start	Required	Notes
SKU	N	8,0	1	Yes	Default can be applied
SKU Alias	C	32	9	Yes	Default can be applied
Barcodes	C	38	41	Yes	
Facility Number	N	6,0	79	Yes	
Manufacturer	C	32	85	Yes	
MFR Product Number	C	32	117	Yes	
SubClass Short Name	C	8	149	Yes	
Description	C	32	157	Yes	
Season	C	8	189	Yes	Default can be applied
Inventory Type	C	8	197	Yes	
UOM Type	C	8	205	Yes	Default OK if single SKU
UOM	C	8	213	Yes	Default OK if single SKU
Color Pallet	C	8	221	Yes	Default OK if single SKU
Color	C	10	229	Yes	Default OK if single SKU
Size Grid	C	8	239	Yes	Default OK if single SKU
Size	C	10	247	Yes	Default OK if single SKU
Size Grid Modifier	C	8	257		
Size Modifier	C	10	265		
Reserved	C	32	275		Reserved for System Use
Attribute 1	C	8	307		
Attribute 2	C	8	315		
Attribute 3	C	8	323		
Attribute 4	C	8	331		
Attribute 5	C	8	339		
Attribute 6	C	8	347		
Base Cost	N	10,3	355	Yes	
Retail	N	11,3	365	Yes	
Suggested Retail	N	11,3	376		
Reserved	C	32	387		Reserved for System Use

Vendor	C	32	419	Yes	
Vendor Product Part Number	C	32	451	Yes	Default can be applied
Vendor Order UOM	C	8	483	Yes	
Vendor UOM Cost	N	10,3	491	Yes	

FACILITY

Legend:

Field Name	Type	Length	Start	Required	Notes
Name	C	32	1	Yes	Unique in DataWorks
Number	N	6,0	33	Yes	Unique in DataWorks
Facility Revenue Center	C	10	39	Yes	Unique in POS Server Group
Active	L	1	49	Yes	
Facility Inventory Plan	C	8	50		

WAREHOUSE LOCATIONS

Legend:

Field Name	Type	Length	Start	Required	Notes
Barcode	C	32	1	Yes	
Name	C	32	33	Yes	
Aisle Short Name	C	8	39	Yes	
Aisle Name	C	32	41	Yes	
Type	C	2	73		Default of ST (Storage) can be applied
Location X Name	C	10	75		
Location Y Name	C	10	85		
Location Z Name	C	10	95		
Physical Height	N	10,2	105		
Physical Width	N	10,2	115		
Physical Depth	N	10,2	125		
Physical Volume	N	10,2	135		
Track On Hand	L	1	145		If empty defaults to T

APPENDIX A

AP EXPORT SAMPLES

Back

CDF SAMPLES

CDF 1.0 Example

APHEADER.TXT

2, 4,10/14/2008,08:29:35,D, 48,Oxford Golf, Oxford Golf,mc-42208,GPI - 1, 0, ,04/23/2008,
1400.00,05/23/2008,04/23/2008, 0,0.00,0.00,T,,T,NET 30 DAYS

APDETAIL.TXT

2, 4,2500, -1400.000, P,, 0
2, 4,4000, 7.500, D,, 0
2, 4,3000, 1392.500 D,, 0

CDF 2.0 Example

APHEADER.TXT

3, 4,D,10/14/2008,08:35:59, 48,Oxford Golf, Oxford Golf,mc-42208,GPI - 1, 0, ,04/23/2008,
1400.000,05/23/2008,04/23/2008, 0.000,0.000,0.000,T,,T,NET 30 DAYS

APDETAIL.TXT

3, 4,2500, -1400.000, P,, 0
3, 4,4000, 7.500, D,, 0
3, 4,3000, 1392.500 D,, 0

CDF 2.1 Example

APHEADER.TXT

5, 4,10/14/2008,08:57:47,2.1,D,Oxford Golf, Oxford Golf,mc-42208,GPI - 1,04/23/2008,
1400.000,USD,1.000000,1400.000,05/23/2008,04/23/2008, 0.000,0.000,
0.000,T,,T,NET 30 DAYS

APDETAIL.TXT

5, 4,2500, Accounts Payable, Liability, -1400.000,P
5, 4,4000, Freight In, Expenses, 7.500,D
5, 4,3000, Inventory Asset, Assets, 1392.500,D

CDF 2.2 Example

APHEADER.TXT

5,24,12/16/2011,12:22:12,2.2,D,Thread,TH-001,INV9210-01,2011-92-10,12/16/2011,
2268.000,USD,1.000000,2268.000,01/15/2012,12/16/2011,0.000,
0.000,0.000,T,For Holiday Open House Event,T,NET 30 DAYS,,,,Event,Event,Holiday,Holiday,,,

APDETAIL.TXT

5,24,2600-00-000,PO Clearing,Short Term Liabilities,2268.000,D

CDF 3.0 Example

APEXPORT.CSV

7,27,12/16/2011,16:37:33,3.0,D,Prince,Prince,INV1050100-1,10-50-100,12/16/2011,
230705.000,USD,1.000000,230705.000,01/15/2012,12/16/2011,0.000,0.000,0.000,T,For Tennis
Tournament,T,NET 30 DAYS,,,,7, 27,2600-00-000,PO Clearing, Short Term Liabilities,230705.000,D

CDF 3.1 Example

APEXPORT.CSV

18,402,01/03/2012,16:05:47,3.1,D,Thread,TH-01,INV3033,1-308-
2012,01/03/2012,598.800,USD,1.000000,598.800,02/02/2012,01/03/2012,0.000,0.000,0.000,T,,
T,NET 30 DAYS,,7044,,,,JobCst,Job Costing,,,20220-000,AP Liabilities,Liability,-598.800,P
18,402,01/03/2012,16:05:47,3.1,D,Thread,TH-01,INV3033,1-308-
2012,01/03/2012,598.800,USD,1.000000,598.800,02/02/2012,01/03/2012,0.000,0.000,0.000,T,,
T,NET 30 DAYS,,7044,,,,JobCst,Job Costing,,,21150-000,PO Clearing, Short Term Liabilities, 598.00, D

RDPD SAMPLES

APEXPORT.TXT Ver 1.0 +

240
<APHDR1.3>|22250
<H>|D|1110|QUALITY DISCOUNT ICE CREA|IC1|27000-175|1006054| 51|THE
MARKET|07/02/1999|254.30| / / | / / | 0|0.00|0.00|T||01/15/2000|T|NET 30
<D>|2000-000 | -254.30|P| 0| 0
<D>|02104010 | 254.30|D| 19| 51
<APTRL1.3>|22250|5
<APHDR1.3>|22258
<H>|D|1110|QUALITY DISCOUNT ICE CREA|IC1|27000-456|1015276| 52|COOL
CAFE|01/08/2000|144.00| / / | / / | 0|0.00|0.00|T||01/15/2000|T|NET 30
<D>|2000-000 | -144.00|P| 0| 0
<D>|02104010 | 144.00|D| 19| 52
<APTRL1.3>|22258|5
<APHDR1.3>|22268
<H>|D|1107|UNCLE BIFF'S|UB1|1015266|1015266| 42|BRICKOLINI|10/07/2000|78.00| / / | / / |
0|0.00|0.00|T||01/15/2000|T|NET 30
<D>|2000-000 | -78.00|P| 0| 0<D>|02104010 | 78.00|D| 19| 42
<APTRL1.3>|22268|6

APEXPORT.TXT Ver 2.0

<APHDR2.0>|17

<H>|D|Receipts|Approved|AHEAD HEADGEAR|AHEHEA|INV2222|2222|07/11/2008|07/11/2008| 239.000|NET 30 DAYS| 0.000|T|08/10/2008|07/11/2008| 35.500| 0.000|
<D>|20110-000|Accounts Payable|-239.00|P|Liability
<D>|21150-000|PO Clearing|239.00|D|Short Term Liabilities
<APTRL2.0>|43|5
APHDR2.0>|15
<H>|D|Receipts|Approved|CATHERINE BLOUNT|ANNCAT|22222||07/09/2008|07/09/2008| 89.000|NET 30 DAYS| 0.000|T|08/08/2008|07/09/2008| 9.000| 0.000|
<D>|20110-000 |Accounts Payable | -89.000|P|Liability
<D>|21150-000 |PO Clearing | 89.000|D|Short Term Liabilites
<APTRL2.0>| 41|5
<APHDR2.0>| 16
<H>|D|Receipts|Approved|NIKE GOLF|NIKE|1111|1111|07/10/2008|07/10/2008| 2310.000|NET 30 DAYS| 0.000|T|08/09/2008|07/10/2008| 35.000| 0.000|
<D>|20110-000 |Accounts Payable | -2310.000|P|Liability
<D>|21150-000 |PO Clearing | 2310.000|D|Short Term Liabilites
<APTRL2.0>| 42|5
<APHDR2.0>| 18
<H>|D|Receipts|Approved|95 AND SUNNY INC.|95SUNN|INV2323|7|07/15/2008|07/15/2008| 320.000|NET 30 DAYS| 0.000|T|08/14/2008|07/15/2008| 0.000| 0.000|
<D>|20110-000 |Accounts Payable | -320.000|P|Liability
<D>|21150-000 |PO Clearing | 320.000|D|Short Term Liabilites
<APTRL2.0>| 44|5

AP XML SAMPLES

APHEADER.XML

```
<?xml version = "1.0" encoding="Windows-1252" standalone="yes"?>
<VFPData xml:space="preserve">
<xsd:schema id="VFPData" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">
<xsd:element name="VFPData" msdata:IsDataSet="true">
<xsd:complexType>
<xsd:choice maxOccurs="unbounded">
<xsd:element name="curxmlheader" minOccurs="0" maxOccurs="unbounded">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="cexportversion">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="3"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="nbatch">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits value="6"></xsd:totalDigits>
<xsd:fractionDigits value="0"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdapinvoice_pk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
```

```
<xsd:element name="cdapbat_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdcomp_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="tsystem" type="xsd:dateTime"></xsd:element>
<xsd:element name="cshortname_aptype">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="8"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="npositive_negative_aptype">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits value="2"></xsd:totalDigits>
<xsd:fractionDigits value="0"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdstatus_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType></xsd:element>
<xsd:element name="cshortname_status">
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<xsd:restriction base="xsd:string">
<xsd:maxLength value="8"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_status">
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<xsd:restriction base="xsd:string">
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</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdvend_fk">
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<xsd:restriction base="xsd:string">
<xsd:maxLength value="8"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cvendaka">
```

```
<xsd:simpleType>
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<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_vendor">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cvendstatus">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
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</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="courcustno">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="15"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdfactor_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_factor" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
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<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdterm_fk_vend">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cinvoice">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
```

```
<xsd:maxLength    value="12"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element    name="cshortname_term">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength    value="8"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_term">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength    value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element    name="ndiscperc_term">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits    value="6"></xsd:totalDigits>
<xsd:fractionDigits    value="3"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cref">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength    value="12"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="ddue" type="xsd:dateTime"></xsd:element>
<xsd:element name="dinvoice" type="xsd:dateTime"></xsd:element>
<xsd:element name="dlastdisc" type="xsd:dateTime"></xsd:element>
<xsd:element    name="ncurrencyrate">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits    value="6"></xsd:totalDigits>
<xsd:fractionDigits    value="3"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
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<xsd:element    name="ninvoamt_system">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits    value="13"></xsd:totalDigits>
<xsd:fractionDigits    value="3"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
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<xsd:element    name="ninvoamt_currency">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits    value="13"></xsd:totalDigits>
<xsd:fractionDigits    value="3"></xsd:fractionDigits>
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```

```
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdcurrency_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
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</xsd:element>
<xsd:element name="csymbol_currency">
<xsd:simpleType>
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</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cshortname_currency">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="3"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_currency">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="nnondiscamt">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits value="13"></xsd:totalDigits>
<xsd:fractionDigits value="3"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="ccurrencydatetype">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="1"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="dcurrencydate" type="xsd:dateTime"></xsd:element>
<xsd:element name="cdchartacct_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="caccount_liab" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
```

```
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_liab" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cname_gltype">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cnote">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="64"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:choice>
<xsd:anyAttribute namespace="http://www.w3.org/XML/1998/namespace"
processContents="lax"></xsd:anyAttribute>
</xsd:complexType>
</xsd:element>
</xsd:schema>
<curxmlheader>
<cexportversion>1.0</cexportversion>
<nbatch>0</nbatch>
<cdapinvoice_pk>  4</cdapinvoice_pk>
<cdapbat_fk>  </cdapbat_fk>
<cdcomp_fk>  3</cdcomp_fk>
<tsystem>2005-04-25T11:05:15</tsystem>
<cshortname_aptype>Receipts</cshortname_aptype>
<npositive_negative_aptype>1</npositive_negative_aptype>
<cdstatus_fk>APAPRV</cdstatus_fk>
<cshortname_status>Approved</cshortname_status>
<cname_status>Approved for Posting  </cname_status>
<cdvend_fk>00000FJE</cdvend_fk>
<cvendaka>ACME  </cvendaka>
<cname_vendor>ACME  </cname_vendor>
<cvendstatus>A</cvendstatus>
<courcustno>  </courcustno>
<cdfactor_fk>  7</cdfactor_fk>
<cname_factor>CLIENT DISTRIBUTION SERVICE  </cname_factor>
<cdterm_fk>  1</cdterm_fk>
<cdterm_fk_vend>  1</cdterm_fk_vend>
<cinvoice>IN-425  </cinvoice>
<cshortname_term>NET30  </cshortname_term>
<cname_term>NET 30 DAYS  </cname_term>
<ndiscperc_term>0.000</ndiscperc_term>
<cref>PO 425  </cref>
```

<ddue>2005-04-25T00:00:00</ddue>
<dinvoice>2005-04-25T00:00:00</dinvoice>
<dlastdisc>2005-04-25T00:00:00</dlastdisc>
<ncurrencyrate>1.000</ncurrencyrate>
<ninvoamt_system>204.850</ninvoamt_system>
<ninvoamt_currency>204.850</ninvoamt_currency>
<cdcurrency_fk> 2</cdcurrency_fk>
<csymbol_currency>$</csymbol_currency>
<cshortname_currency>USD</cshortname_currency>
<cname_currency>US Dollars </cname_currency>
<nnondiscamt>15.850</nnondiscamt>
<ccurrencydatetype>M</ccurrencydatetype>
<dcurrencydate>2005-04-25T11:05:15</dcurrencydate>
<cdchartacct_fk> 20</cdchartacct_fk>
<caccount_liab>2500 </caccount_liab>
<cname_liab>Accounts Payable </cname_liab>
<cname_gltype>Short Term Liabilites </cname_gltype>
<cnote> </cnote>
</curxmlheader>
</VFPData>

APDETAIL.XML

<?xml version = "1.0" encoding="Windows-1252" standalone="yes"?>
<VFPData xml:space="preserve">
<xsd:schema id="VFPData" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">
<xsd:element name="VFPData" msdata:IsDataSet="true">
<xsd:complexType>
<xsd:choice maxOccurs="unbounded">
<xsd:element name="curxmldetail" minOccurs="0" maxOccurs="unbounded">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="cversion">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="3"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="nbatchno">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits value="6"></xsd:totalDigits>
<xsd:fractionDigits value="0"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="cdapinvoice_fk">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="6"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="caccount">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="32"></xsd:maxLength>

```
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element    name="cname_glaccount">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength    value="32"></xsd:maxLength>
</xsd:restriction></xsd:simpleType>
</xsd:element>
<xsd:element    name="cname_gltype">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength    value="32"></xsd:maxLength>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="namount">
<xsd:simpleType>
<xsd:restriction base="xsd:decimal">
<xsd:totalDigits    value="13"></xsd:totalDigits>
<xsd:fractionDigits    value="3"></xsd:fractionDigits>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:choice>
<xsd:anyAttribute      namespace="http://www.w3.org/XML/1998/namespace"
processContents="lax"></xsd:anyAttribute>
</xsd:complexType>
</xsd:element>
</xsd:schema>
<curxmldetail>
<cversion>1.0</cversion>
<nbatchno>0</nbatchno>
<cdapinvoice_fk>    4</cdapinvoice_fk>
<caccount>999999   </caccount>
<cname_glaccount>Suspense   </cname_glaccount>
<cname_gltype>Fixed Assets  </cname_gltype>
<namount>204.850</namount>
</curxmldetail>
</VFPData>
```

GL EXPORT SAMPLES

Back

GLHEADER.TXT

1,1,2,1,Grove Park Inn,100,Grove Park Inn,5,2008,Receipt,Receipt DocNo- 654654321 RecNo-9 Date-05/29/2008,1009 / ID:9,AROMA,AROMATHERAPY ASSOCIATESINC,05/29/2008,05/29/200811:01:04,05/29/2008 15:24:08,46.490,46.490,F
1,2,1,1,Grove Park Inn,1,Golf Shop,5,2008,Receipt,Receipt DocNo-mwc-02 RecNo-8 Date-05/28/2008,407 / ID:8,101 ACQUISITION INC,101 ACQUISITION INC,05/28/2008,05/28/200823:04:54,05/29/200815:24:18,352.080,352.080,F

GLDETAIL.TXT

1,1,2,12260-000,Inventory - Storeroom, 46.490,InvAsset,D 1,1,2,21150-000,PO Clearing,46.490,InvAsset,C
1,2,1,55000-550,Freight In - Golf,12.000,F-In,D
1,2,1,12200-000,Inventory - Golf,340.080,InvAsset,D 1,2,1,21150-000,PO Clearing,352.080,InvAsset,C

GLEXPORT.TXT (Fixed Name, Signed)

4
<GLHDR1>|1| AY
<H>|1|Primary Company (1)|7|Signature LRP|1|2008||Receipt DocNo-3029425 RecNo-6304 Date-03/23/2008|3957-08A/ID:4V4|Gear|Gear|03/23/2008|05/25/200813:43:37|05/25/2008 14:02:02|3594.750|-3594.750|F
<D>|2501|PO Clearing Account|-3594.750|InvAsset|C
<D>|3000|Inventory Asset|3594.750|InvAsset|D
<GLTRL1>|1| AY|5

GLEXPORT_2_20080525.TXT (Unique Name, Unsigned)

2
<GLHDR1>|1| 63
<H>|1|Primary Company (1)|12|The Resort Shop PB|1|2008||Receipt-Lacoste / Devanlay US Inc. DocNo-123 RecNo-6294 Date-03|3988-08 / ID:4UU|Lacoste / Devanlay US Inc.|Lacoste / Devanlay US Inc.| / / |05/25/2008 12:06:14|05/25/2008 12:51:26|1622.750|1622.750|F
<D>|2501|PO Clearing Account|1622.750|InvAsset|C
<D>|3000|Inventory Asset| 1622.750|InvAsset|D
<GLTRL1>|1| 63|5

GLEXPORT_v3.0 CSV

5437,1, 2ZD,1000,The Holding Corp,156,Main Warehouse,1,2014,T-Out,T-Out Main Warehouse -> New Cowboy Store For Testing TranNo-1342,/ ID:11D,,,04/10/2014,04/10/2014 12:40:14,11/07/2016 13:24:59,1280.000,-1280.000,F,5437,1, 2ZD,1000-100-200,Inventory - Main Warehouse, 1280.000,InvAsset,C
5437,1, 2ZD,1000,The Holding Corp,156,Main Warehouse,1,2014,T-Out,T-Out Main Warehouse -> New Cowboy Store For Testing TranNo-1342,/ ID:11D,,,04/10/2014,04/10/2014 12:40:14,11/07/2016 13:24:59,1280.000,-1280.000,F,5437,1, 2ZD,1000-000-200,Inventory - Holding Corp,1280.000,InvAsset,D

GLEXPORT_v3.1 CSV

5423,1, 4O5,1000,The Holding Corp,156,Main Warehouse,1,2016,T-Out,T-Out Main Warehouse -> Shops of the Park TranNo-3682 Date-11/04,/ ID:2UD,,,11/04/2016,11/04/2016 12:11:58,11/04/2016 12:11:59,27919.990,-27919.990,F,1000-000-200,Inventory - Holding Corp, -27919.990,InvAsset,C
5423,1, 4O5,1000,The Holding Corp,156,Main Warehouse,1,2016,T-Out,T-Out Main Warehouse -> Shops of the Park TranNo-3682 Date-11/04,/ ID:2UD,,,11/04/2016,11/04/2016 12:11:58,11/04/2016 12:11:59,27919.990,-27919.990,F,1000-000-200,Inventory - Holding Corp, 27919.990,InvAsset,D
5423,2, 4O6,1000,The Holding Corp,156,Main Warehouse,1,2016,Receipt,PackSlip DocNo-11042016-3 RecNo-2760 Date-11/04/2016,Main War-117 / ID:24P,New Designs For The Ages,New Designs For The Ages,11/04/2016,11/04/2016 12:12:30,11/04/2016 12:12:31,83287.750,-83287.750,F,1000-000-200,Inventory - Holding Corp, 83287.750,InvAsset,D

5423,2, 4O6,1000,The Holding Corp,156,Main Warehouse,1,2016,Receipt,PackSlip DocNo-11042016-3 RecNo-2760 Date-11/04/2016,Main War-117 / ID:24P,New Designs For The Ages,New Designs For The Ages,11/04/2016,11/04/2016 12:12:30,11/04/2016 12:12:31,83287.750,-83287.750,F,1000-000-
200,Inventory - Holding Corp, 0.000,InvAsset,D
5423,2, 4O6,1000,The Holding Corp,156,Main Warehouse,1,2016,Receipt,PackSlip DocNo-11042016-3 RecNo-2760 Date-11/04/2016,Main War-117 / ID:24P,New Designs For The Ages,New Designs For The Ages,11/04/2016,11/04/2016 12:12:30,11/04/2016 12:12:31,83287.750,-83287.750,F,1000-000-150,PO
Clearing - Holding Corp, -83287.750,InvAsset,C
5446,7, 4OO,1000,The Holding Corp,156,Main Warehouse,1,2016,Receipt,PackSlip DocNo-gl 3.1 fixpd RecNo-2768 Date-11/07/2016,Main War-117 / ID:24X,NDFA-1288,New Designs For The Ages,11/07/2016,11/07/2016 14:14:51,11/07/2016 14:18:27,9000.000,-9000.000,F,1000-000-
200,Inventory - Holding Corp, 9000.000,InvAsset,D
5446,7, 4OO,1000,The Holding Corp,156,Main Warehouse,1,2016,Receipt,PackSlip DocNo-gl 3.1 fixpd RecNo-2768 Date-11/07/2016,Main War-117 / ID:24X,NDFA-1288,New Designs For The Ages,11/07/2016,11/07/2016 14:14:51,11/07/2016 14:18:27,9000.000,-9000.000,F,1000-000-150,PO Clearing - Holding Corp, -
9000.000,InvAsset,C

INVENTORY EXPORT EXAMPLES

SMSINVENTORYEXPORT.TXT

Back

```
3
<SMHDR1.0>|11/14/2002|11:23:49
<D>|700002| 1|STORE 1      |AA|E|CORDUROY SHIRT      |YEL|ALL |          1|         22.59|     22.59| 49.00|SMS
|   0| 0| 0| 0
<D>|700003| 1|STORE 1      |AA|E|CIGARETTES  |ALL|ALL  | 1345| 2.90|      2.90|       5.00|SMS
|   0| 0| 0| 0
<D>|700004| 1|STORE 1      |AA|E|CANDY        |ALL|ALL  | 1450| 0.40|      0.40|       0.85|SMS  |
0| 0| 0| 0
<D>|700005| 1|STORE 1      |AA|E|SODA         |ALL|ALL  |  346|  0.40|      0.40|       1.00|SMS  |
0| 0| 0| 0
<D>|700006| 1|STORE 1      |AA|E|SHOT GLASS|GRN|ALL  |  144| 1.97|      1.97|       5.00|SMS
|   0| 0| 0| 0
<SMTRL1.0>|11
<SMHDR1.0>|01/12/2003|08:55:55
<SMTRL1.0>|2
```

ICEXPORT.TXT

Back

Version 2.0

```
189
<ICHDR2.0>|10/18/2016|13:37:09
<D>|3502|1|A|Sysco - East Coast|09/08/2011|0|Food Misc/Other|705711-2GB|Case French Cut GB
s|None|None||EA|0|0|0.893|0.8975|0.00|F
<D>|3503|1|A|Sysco - East Coast|09/08/2011|0|Food Misc/Other|705799-2TM|Case #10 Can
Tomates|None|None||EA|0|0|0.278|1.1075|0.00|F
<D>|3504|1|A|Sysco - East Coast|09/08/2011|0|Food Misc/Other|705625-89|Case #10 Can Red
Potatoes|None|None||EA|0|0|0.393|1.58|0.00|F
<D>|102392|1|A|AREO    INC.|01/01/1900|20|Gifts|15894|Queens    Crown-
Gld|None|None||EA|0|0|10.00|10.00|24.00|F
<D>|104391|1|A|POLO RALPH LAUREN  CORPORATION|01/01/1900|5|GOLF MENS TOPS|01499|Baby
Cable    Sweater|Cream|S||EA|0|0|49.00|46.632|98.00|F
<D>|104392|1|A|POLO RALPH LAUREN  CORPORATION|01/01/1900|5|GOLF MENS TOPS|01499|Baby
Cable    Sweater|Cream|M||EA|0|0|49.00|46.71|98.00|F
<D>|104393|1|A|POLO RALPH LAUREN  CORPORATION|01/01/1900|5|GOLF MENS TOPS|01499|Baby
Cable    Sweater|Cream|XL||EA|0|0|49.00|46.632|98.00|F
<D>|104403|1|A|POLO RALPH LAUREN  CORPORATION|01/01/1900|5|GOLF MENS
TOPS|0404413|NYMJerseyShirt|Green|L||EA|0|0|41.25|41.141|89.00|F
<ICTRL2.0>|10
```

Version 3.0

```
190
<ICHDR3.0>|01/08/2021|14:37:08
<D>|729197|644|A|SWIBCO / SOLARAY LLC|01/01/1900|0|Pers. Rack Keychains|DHKR|KC DIAMOND CUT HEART W
NAME|None|None||EaOnly|0|0|1.80|1.799|5.99|F|5.99|F|F|01/08/2021|01/08/2021|F|1|50Cls|653|1009|9MN
|6SUB|0||14Rev|3D|1RP|8SC|F|0.0000|0.0000|A|B|C|D|E|F|G|H|I|J|F|T|T|T|T
<D>|729495|644|A|CAMPBELL|01/01/1900|0|Ponchos|PONCHOADSNWS|PONCHO
ADULTSNPYWDSTYLW|None|None||EaOnly|0|7|1.08|1.244|5.00|F|5.00|F|F|01/08/2021|01/08/2021|F|1|2|635
|1007|9MN|6SUB|5|PONCHOADULTSNP|14Rev|3D|1RP|8SC|F|0.0000|0.0000|A|B|C|D|E|F|G|H|I|J|F|T|T|T|T
<ICTRL3.0>|4
```

CLEXPORT.TXT

Back

```
189
<CLHDR2.0>|10/18/2016|13:37:14
<D>|2301|2301DOM|Domestic    Beer    2301|100|Beer|100|Beer|Sales|T|6.000|F|0.000|1|1|ABC
<D>|0|7 digits|7 digit food test|0|Deli Beverages|0|Deli Food|Sales|T|6.000|F|0.000|1|1|ABC
<D>|0|8 digits|8 digit|0|Deli Beverages|0|Deli Food|Sales|T|6.000|F|0.000|1|1|ABC
<D>|12|A-SubCla|A    Subclass|0|MENS    APPAREL|1|Apparel|Sales|T|6.000|F|0.000|1|1|ABC
<D>|0|ACC-MISC|Acc-Misc|7|Miscellaneous|3|Gifts|Sales|T|6.000|F|0.000|1|1|ABC
<CLTRL2.0>|7
```

AKEXPORT.TXT

Back

```
189<AKAHDR2.0     >|10/18/2016|13:37:17
<D>|00003502      |   3502|1|E
<D>|00003503      |   3503|1|E
<D>|00003504      |   3504|1|E
<D>|104391        | 104391|1|E
<D>|104392        | 104392|1|E
<D>|104393        | 104393|1|E
<D>|104403        | 104403|1|E
<D>|104404        | 104404|1|E
<D>|104413        | 104413|1|E
<AKATRL2.0        >|11
```

SALES IMPORT EXAMPLES

SL Summary Examples

Back

SL201111.TXT SLMIN v1.0 This version has been deprecated.

```
<SLSMINHDR1.0>|1
<D>|2|11/11/2000|065472400659||3.00|1.50
<D>|2|11/11/2000|700011||1.00|25.00
<D>|2|11/11/2000|700076||1.00|8.99
<D>|2|11/11/2000|700078||1.00|12.99
<D>|2|11/11/2000|700095||5.00|1.25
<SLSMINTRL1.0>|1|6
```

SL201111.TXT SLMIN v4.0

```
<SLSMINHDR4.0>|1
<D>|2|11/11/2000|065472400659||Bevs-Men Coffee Coffee-Regular |3.00|1.50
<D>|2|11/11/2000|700011||Bevs-Men Coffee Coffee-Decaf |1.00|25.00
<D>|2|11/11/2000|700076||3009 Cherry Pie Sl |1.00|8.99
<D>|2|11/11/2000|700078||Wine H White GL H White GL |1.00|12.99
<D>|2|11/11/2000|700095||USA Today 113237|5.00|1.25
<SLSMINTRL4.0>|1|6
```

SL170607.TXT SLMINEXT v1.0 This version has been deprecated.

```
<SLSMINEXTHDR1.0>|1
<D>|5|06/07/2017|900||1| 2.25
<D>|5|06/07/2017|901||1| 2.25
<D>|5|06/07/2017|903||1| 1.75
<D>|5|06/07/2017|905||1| 2.25
<D>|5|06/07/2017|3006||1|      4.50
<D>|5|06/07/2017|3009||1|      2.75
<D>|5|06/07/2017|3011||1|      2.00
<D>|5|06/07/2017|113237||1|    2.50
<D>|5|06/07/2017|113238||1|    3.00
<D>|5|06/07/2017|113244||1|    6.50
<D>|5|06/07/2017|114725||1|    4.25
<SLSMINEXTTRL1.0>|1|13
```

SL170607.TXT SLMINEXT v4.0

```
<SLSMINEXTHDR4.0>|1
<D>|5|06/07/2017|900| |Bevs-Men Coffee Coffee-Regular|1|      2.25
<D>|5|06/07/2017|901| |Bevs-Men Coffee Coffee-Decaf|1|       2.25
<D>|5|06/07/2017|903| |Bevs-Men Soda-M Soda-MED|1|          1.75
<D>|5|06/07/2017|905| |Bevs-Men Bottle Bottled Water|1|     2.25
<D>|5|06/07/2017|3006| |Coconut Ice Crea Coconut Ice Cre|1| 4.50
<D>|5|06/07/2017|3009| |3009 Cherry Pie Sl|1|          2.75
<D>|5|06/07/2017|3011| |Dbl Ala Mode Dbl Ala Mode|1|  2.00
<D>|5|06/07/2017|113237| |USA Today 113237|1|        2.50
<D>|5|06/07/2017|113238| |New York Times 113238|1|   3.00
<D>|5|06/07/2017|113244| |113244 ?????????? S|1|     6.50
<D>|5|06/07/2017|114725| |Wine H White GL H White GL|1|  4.25
<SLSMINEXTHDR4.0>|1|13
```

SL Detail Examples

Back

SL011125.TXT **SLMAX 1.1** **This version has been deprecated.**

```
<SLSMAXHDR1.1>|1
<H>| 12|11/25/2001|10| 7682|40|63|10|       0.00|      0.00|      0.00
<D>|  1|700151|    |          1|   0.00|   0.00|F
<H>| 12|11/25/2001|11| 7686|40|63|10|       6.48|      0.50|      0.00
<D>|  1|708769|    |          1|   2.99|   2.99|T
<D>|  2|708257|    |          1|   2.99|   2.99|T
<H>| 14|11/25/2001|13| 5798|45|34|10|   10.82|       0.82|      0.00
<D>|  1|712116|    |          1|  10.00|  10.00|T
<H>| 14|11/25/2001|13| 5799|45|34|10|   12.99|       0.99|      0.00
<D>|  1|712638|    |          1|  12.00|  12.00|T
<H>| 14|11/25/2001|15| 5810|45|34|10|   19.48|       1.48|      0.00
<D>|  1|712193|    |          1|  10.00|  10.00|T
<D>|  2|711203|    |          1|   8.00|   8.00|T
<H>| 14|11/25/2001|15| 5811|45|34|10|       0.00|      0.00|      0.00
<D>|  1|700151|    |          1|   0.00|   0.00|F
<SLSMAXTRL1.1>|1|16
```

SL200913.TXT **SLMAX 4.0**

```
<SLSMAXHDR4.0>|0000
<H>|05|09/13/2020|11|4308| | | |57.14| 3.36| .38
<D>|  1|122321|     |  | 2|  24.00|   24.00|T
<D>|  2|001141499|  |  | 1|   6.00|    5.40|T
<H>|05|09/13/2020|11|4309| | | |-32.00| 0.00| 0.00
<D>|  1|113788|     |  |-1|  32.00|   32.00|F
<H>|05|09/13/2020|11|4310| | | |41.74| 2.10|0.00
<D>|  1|121538|     |  |  1|  16.64|   16.64|T
<D>|  2|118005|     |  | 1|   3.00|    3.00|T
<D>|  3|114418|     |  | 1|  20.00|   20.00|T
<D>|  4|100000|     |  | 1|   0.00|    0.00|F
<H>|05|09/13/2020|12|4311| | | |80.25| 5.25|0.00
<D>|  1|125838|     |  | 1|  75.00|   75.00|T
<H>|05|09/13/2020|12|4312| | | |-27.82| -1.82| 0.00
<D>|  1|114865|     |  |-1|  26.00|   26.00|T
<H>|05|09/13/2020|12|4313| | | |19998.95| 0.00| 0.00
<D>|  1|112768|     |  | 1|19998.95| 19998.95|F
<H>|05|09/13/2020|13|4314| | | |37.74| 0.00| 0.00
<D>|  1|1000004|    |  |  1|20.00| 20.00|F
<D>|  2|2020|      |   |  1|12.99| 12.99|F
<D>|  3|1018|      |   |  1| 4.75|  4.75|F
<H>|05|09/13/2020|13|4315| | | |30.00| 0.00| 0.00
<D>|  1|124759|     |  |  1|20.00| 20.00|F
<D>|  2|124758|     |  |  1|20.00| 20.00|F
<D>|  3|-4|       |    |  1|-10.00| -10.00|F
<SLSMAXTRL4.0>|0000|26
```

SL200509.TXT **SLMAXEXT 1.0** **This version has been deprecated.**

```
<SLSMAXEXTHDR1.0>|3
<H>|05|09/09/2020|09|3117| | | |17.12|3.36|-2.24
<D>|1|122321| | 2|48.00|48.00|T
<D>|2|113788| |-1|32.00|32.00|T
<H>|05|09/09/2020|09|3118| | | |19998.95|0.00|0.00
<D>|1|112768| | 1|19998.95|19998.95|F
<H>|05|09/09/2020|10|3119| | | |56.64|3.96|0.00
```

<D>|1|114849| |1|27.00|20.00|T
<D>|2|121538| |1|16.64|16.64|T
<D>|3|114418| |1|20.00|20.00|T
<D>|4|100000| |1| 0.00| 0.00|T
<H>|05|09/09/2020|11|3120| | | |97.99|5.25|0.00
<D>|1|125838| |1|75.00|75.00|T
<D>|2|2020| |1|12.99|12.99|F
<D>|3|1018| |1| 4.75| 4.75|F
<H>|05|09/09/2020|12|3121| | | |-27.82|-1.82|0.00
<D>|1|114865| |-1|26.00|26.00|T
<H>|05|09/09/2020|13|3122| | | |24.61|1.61|0.00
<D>|1|1000004| |1|20.00|20.00|T
<D>|2|118005| |1|3.00|3.00|T
<H>|05|09/09/2020|14|3123| | | |15.00|0.00|0.00
<D>|1|124759| |1|20.00|20.00|F
<D>|2|-4| |1|-5.00|-5.00|F
<SLSMAXEXTTRL1.0>|3|24

SL200510.TXT **SLMAXEXT 2.0** **This version has been deprecated.**

<SLSMAXEXTHDR2.0>|6
<H>|05|10/02/2020|08|1010| | | | |17.12|3.36|-2.24
<D>|1| 122321| | 2| 48.00| 48.00|T
<D>|2| 113788| |-1| 32.00| 32.00|T
<H>|05|10/02/2020|09|1011| | | | |19998.95|0.00|0.00
<D>|1| 112768| | 1| 19998.95| 19998.95|F
<H>|05|10/02/2020|11|1013| | | | |36.64|0.00|0.00
<D>|1| 121538| | 1| 16.64| 16.64|F
<D>|2| 114418| | 1| 20.00| 20.00|F
<D>|3| 100000| | 1| 0.00| 0.00|F
<H>|05|10/02/2020|12|1014| | | | |80.25|5.25|0.00
<D>|1| 125838| | 1| 75.00| 75.00|T
<H>|05|10/02/2020|13|1015| | | | |-26.00|0.00|0.00
<D>|1| 114865| |-1| 26.00| 26.004|F
<H>|05|10/02/2020|13|1016| | | | |17.74|0.00|0.00
<D>|1| 2020| | 1| 12.99| 12.99|F
<D>|2| 1018| | 1| 4.75| 4.75|F
<H>|05|10/02/2020|14|1017| | | | |23.00|0.00|0.00
<D>|1| 1000004|| 1| 20.00| 20.00|F
<D>|2| 118005|| 1| 3.00| 3.00|F
<H>|05|10/02/2020|15|1018| | | | |15.00|0.00|0.00
<D>|1| 124759| | 1| 20.00| 20.00|F
<D>|2| -4| | 1| -5.00| -5.00|F
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SL160528.TXT **SLMAXEXT 3.0** **This version has been deprecated.**

<SLSMAXEXTHDR3.0>|19
<H>|105|05/28/2016|05/28/201612:15:04PM|2737|167||507||5.25| 0.00|0.00|
<D>|6|720584||1| 5.25| 5.25|F
<H>|105|05/28/2016|05/28/201605:27:35PM|2929|167||507||20.95| 0.00|0.00|
<D>|6|728035||1| 5.95| 5.95|F
<D>|6|739033||1| 15.00| 15.00|F
<H>|105|05/28/2016|05/28/201611:48:40AM|2724|167||507||16.95| 0.00|0.00|
<D>|6|739544||1| 16.95| 16.95|F
<H>|105|05/28/2016|05/28/201612:47:18PM|2760|167||507||61.40| 0.00|0.00|
<D>|6 |726165||1| 5.50| 5.50|F
<D>|8 |726155||1| 5.50| 5.50|F
<D>|10|726168||1| 5.50| 5.50|F

<D>|12|726171| |1| 5.50| 5.50|F
<D>|14|740198| |1| 16.95| 16.95|F
<D>|16|740203| |1| 16.95| 16.95|F
<D>|18|726160| |1| 5.50| 5.50|F
<SLSMAXEXTTRL3.0>|19|17

SL200909.TXT **SLMAXEXT 4.0**

<SLSMAXEXTHDR4.0>|41
<H>|102|09/09/2020|09|402| | | | | 90.00|0.00|0.00
<D>|1|700110| | | 2| 111.00| 90.00|F
<SLSMAXEXTTRL4.0>|41|4

CDF MIN Examples

Back

S_20200921.CDF **CDFMIN 1.0** **This version has been deprecated.**

1.0,05,09/21/2020,106720,1,89.0
1.0,05,09/21/2020,122321,1,24.0
1.0,05,09/21/2020,122321,1,24.0
1.0,05,09/21/2020,113788,-1,32.0
1.0,05,09/21/2020,112768,1,19998.95
1.0,05,09/21/2020,001141499,1,5.4
1.0,05,09/21/2020,121538,1,16.64
1.0,05,09/21/2020,1000002,1,2.5
1.0,05,09/21/2020,122088,1,0.0
1.0,05,09/21/2020,114418,1,20.0

CDF MAX Examples

Back

S_20200921.CDF **CDFMAX 2.0** **This version has been deprecated.**

2.0,05,09/21/2020,2024,10:09,,,122321,2,48.0
2.0,05,09/21/2020,2025,10:32,,,113788,-1,32.0
2.0,05,09/21/2020,2027,14:08,,,112768,1,19998.95
2.0,05,09/21/2020,2027,14:10,,,001141499,1,5.40
2.0,05,09/21/2020,2027,14:11,,,121538,1,16.64
2.0,05,09/21/2020,2027,14:12,,,100000,1,0.0
2.0,05,09/21/2020,2028,14:14,,,2020,1,12.99
2.0,05,09/21/2020,2028,14:15,,,1018,1,4.75
2.0,05,09/21/2020,2029,15:09,,,125838,1,75.0
2.0,05,09/21/2020,2030,15:10,,,114865,-1,-26.0
2.0,05,09/21/2020,2031,15:15,,,1000004,1,20.0
2.0,05,09/21/2020,2032,15:16,,,114418,1,20.0
2.0,05,09/21/2020,2032,15:18,,,118005,1,3.00

S_20200921.CDF **CDFMAX 3.0**

3.0,05,09/19/2020,2030,10:09,,,122321,,,2,48.0
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3.0,05,09/19/2020,2032,11:03,,,112768,,,1,19998.95
3.0,05,09/19/2020,2032,14:09,,,001141499,,,1,5.40
3.0,05,09/19/2020,2032,14:10,,,121538,,,1,16.64
3.0,05,09/19/2020,2032,14:11,,,100000,,,1,0.0

3.0,05,09/19/2020,2033,14:12,,,118005,,,1,3.0
3.0,05,09/19/2020,2033,14:13,,,114418,,,1,20.0
3.0,05,09/19/2020,2033,14:09,,,125838,,,1,75.0
3.0,05,09/19/2020,2034,15:09,,,114865,,,-1,-26.00
3.0,05,09/19/2020,2035,15:10,,,2020,,,1,12.99
3.0,05,09/19/2020,2035,15:10,,,1018,,,1,4.75
3.0,05,09/19/2020,2036,15:15,,,1000004,,,1,20.0

POS PARTNER SALES IMPORTS

Back

D_05_20200904.TXT DW-3700

'2020-09-04 00:00:00.000',,05,122321,2,,,48.00
'2020-09-04 00:00:00.000',,05,113788,-1,,,-32.00
'2020-09-04 00:00:00.000',,05,112768,1,,,19998.95
'2020-09-04 00:00:00.000',,05,001141499,1,,,5.40
'2020-09-04 00:00:00.000',,05,121538,1,,,16.64
'2020-09-04 00:00:00.000',,05,114418,1,,,20.00
'2020-09-04 00:00:00.000',,05,100000,1,,,0.00
'2020-09-04 00:00:00.000',,05,125838,1,,,75.00
'2020-09-04 00:00:00.000',,05,114865,-1,,,-26.00
'2020-09-04 00:00:00.000',,05,2020,1,,,12.99
'2020-09-04 00:00:00.000',,05,1018,1,,,4.75
'2020-09-04 00:00:00.000',,05,1000004,1,,,20.00
'2020-09-04 00:00:00.000',,05,118005,1,,,3.00

ig20200901.TXT DW-IG

"M","20200901",05,0,122321, 24.000, 2, 48.00
"M","20200901",05,0,113788, 32.000,-1, -32.00
"M","20200901",05,0,112768,19998.950, 1,19998.95
"M","20200901",05,0,118005, 6.000, 1, 3.00
"M","20200901",05,0,121538, 16.640, 1, 16.64
"M","20200901",05,0,114418, 20.000, 1, 20.00
"M","20200901",05,0,100000, 0.000, 1, 0.00
"M","20200901",05,0,125838, 75.000, 1, 75.00
"M","20200901",05,0,114865, 26.000,-1, 26.00
"M","20200901",05,0,2020, 12.990, 1, 12.99
"M","20200901",05,0,1018, 4.750, 1, 4.75
"M","20200901",05,0,1000004, 20.000, 1, 20.00

WEB SERVICE INTERFACE CONCEPTS AND TESTS

SUMMARY

This document summarizes the retail concepts and tests required by the DataWorks web service interface. This information does not pertain to the SOAP call itself, which for both Sales Exports from the Vendor POS, and Inventory Imports to the Vendor POS, reside inside the <Request> tag specified by the HTNG1.1 WSDL format. In the case of the Inventory Import, the <Request> data consists of an XML document. In the case of the Sales Export, the data consists of the *confirmation* property of the <Request> tag itself. This document focuses on the tests that will be performed for the two actions of the interface, and the concepts underlying those tests.

SALES CONCEPTS

An item sale occurs when an item has been sold. Although an Item Sale from the DataWorks perspective occurs only on final closing of the Sales Invoice (see below), we also know that some customers prefer to see sales reflected in DataWorks on a frequent basis. We can accommodate their wishes but doing so puts additional demands both on us and our POS partners in terms of data management.

- DataWorks can accept the registration of the sale immediately.
- If the invoice is reopened (or left open) and items are added, only the items that are new (have not yet been sent) should be sent.
- If an invoice is reopened (or left open) and an item is removed, either a Void or Return should be sent.
- If a sale occurs before an invoice is closed, or it can be reopened, discounts must be item-based. Similarly, for taxes. A Return or Void in those cases should send the adjusting entries.

A Sales Invoice contains summary information for the sale, tender, tax, and discount. From the DataWorks perspective, a sales invoice is what is presented to the customer at the time of customer payment. An invoice being kept open is functionally a sales order, up until the time of payment and final closing. We realize this distinction is not always needed by our POS partners, and so we offer the following to work around common scenarios.

- In the Sales Export Response xml package, nInvoice_PK is the ID that will be used to confirm (in our next request) that the sales invoice has been received. This does not have to be unique except by day of the invoice. The cInvoiceNo field should reflect the ID of the sales invoice received by the customer. So long as cInvoiceNo is identical for all re-sends of an invoice, we can reconstruct the actual sale in a way that makes it possible for us to compare what we have received with our POS vendor reports of sales.
- An invoice can be reopened or kept open, with the following restrictions:
- If item sales are to be sent while the invoice is still open, items must be sent only once.
- Taxes and discounts must be item-based, so that items can be removed (Return or Void). Any changes to existing items must be reflected in a Return/Void. Item-based related charges (discount/tax) must be included in the Return/Void.
- The invoice totals must reflect what is being sent as new additions to the invoice, not the invoice which is functionally in sales order status on the POS side.

TESTS TO CERTIFY DATAWORKS INTERFACE COMPLIANCE

There are two sets of tests for Interface Compliance: one for importing Inventory into the POS system, and one for exporting sales from the POS system.

SALES TESTS CONDITIONS

Sales tests are performed for several conditions; some tests are dependent on whether the POS system supports those conditions:

- A normal sale where the Invoice is closed and not reopened.
- A sale where the Invoice has been sent; the Invoice is reopened, changes made, and the Invoice is then resent.

- A sale where an Invoice remains open. Between polling by DataWorks, there should be times when changes have been made and times when changes have not been made.
- Items should be tested both with Scanners and Manual Input at the POS.
- If POS system supports quantity entry that should be tested along with default quantity entry. Examples : @ Quantity or Quantity 5 @ $10.50
- Entry of same item on multiple lines without using quantity (@) key.
- If POS system supports modifiers tests should include these. Examples: Meat temp, condiments, etc.

ACTUAL SALES TESTS TO PERFORM

If multiple stores exist in the system these tests should be done for each revenue generating store that DataWorks will be importing sales information.

1. Normal sale with multiple items.
2. Sale with a Line Item Discount. When an item is sold with a discount we expect that the Net value for the item will be sent.
3. Sale with a return.
4. Sale with returns only.
5. Sale returns with discounts.
6. Voids.

TEST 1

A NORMAL SALE WHERE THE INVOICE IS CLOSED AND NOT REOPENED

Invoice Test 1

- Sell 3 items with 1 qty each at normal price. Close out to Cash. Print a receipt for customer.

Invoice Test 2

- Sell 3 items with qty 1 each, giving 2 of the items a line item discount. Close check out with multiple tenders, cash-credit card. Print 2 copies of the receipt.

Invoice Test 3

- Return of an item plus the sale of 2 more items at regular price, No discounts applied. Close out to cash.

Invoice Test 4

- Return items from Invoice Test 1. Print 2 copies of the receipt.

Invoice Test 5

- Check with 3 items being returned with 2 having discounts. Print 2 copies of the check.

Invoice Test 6

- Check with 1 item sold with a qty 1. Void the item then close the invoice.

Invoice Test 7

- (Same check number used) - Create 2 separate invoices with same invoice number across 2 different hours with 3 like items on each check. No discounts.

Invoice Test 8

- (Same check number used Voids/Returns) - Create 2 invoices with same invoice number across different hours. On first check return 1 item with a discount applied. On the second check sell 2 items with 1 being voided off the check.

Invoice Test 9

- Ring up items using scanner and using manual input.

Invoice Test 10

- Ring up items using quantity/@ key and same item multiple lines without quantity/ @ key.

Invoice Test 11

- Ring up items with modifiers.
- Create an export to DataWorks. Print out a "detail" report of all transactions. Send in electronic format for comparison to DataWorks sales import.

TEST 2

SALE WHERE THE INVOICE HAS BEEN SENT, THE INVOICE IS REOPENED AND CHANGES MADE. THE INVOICE IS THEN RESENT. THIS FUNCTION MAY NOT APPLY TO ALL POS SYSTEMS.

Invoice Test 1

- Sell 3 items with qty 1 each. Close check. Print receipt. After export has taken place Reopen check, add 1 additional item, close check. Print new receipt.

Invoice Test 2

- Sell 3 items with 1 line item discount on item number 2. Close the check, after we confirm that we have imported the sales data, reopen, and add a second discount to item number 1. Close the check. Print Receipt.

Invoice Test 3

- Invoice with 3 items, 2 sold 1 return no line item discounts. Close check. Wait for export. Reopen add 1 additional item to the check. Give the total check a discount. Close the check. Print receipt.

Invoice Test 4

- Create a return of 3 items. Close check. Wait for export. Reopen and Void the items off the check. Close the check.

Invoice Test 5

- Create a check with 3 items being returned 2 having discounts. Close check. Wait for export. Reopen remove discounts. Close check

Invoice Test 6

- Create Invoice with 1 item with a qty 1. Close check. Reopen check. Wait for export. Void the item off the check then close the check.

Invoice Test 7

- Create 2 invoices with same invoice number across 2 different hours. On first check sell 2 items with 1 item having a discount applied. Close check. Reopen check and void 1 item off. Close check. Second check sell 2 items with 1 being voided off the check. Reopen then add the voided item back on. Close check.

Invoice Test 8

- Ring up items using scanner and using manual input.

Invoice Test 9

- Ring up items using quantity/@ key and same item multiple lines without quantity/ @ key.

Invoice Test 10

- Ring up items with modifiers.

TEST 3

SALE WHERE AN INVOICE REMAINS OPEN BETWEEN POLLING BY DATAWORKS. THERE SHOULD BE TIMES WHEN CHANGES HAVE BEEN MADE AND TIMES WHERE CHANGES HAVE NOT BEEN MADE.

Invoice Test 1

- Create an invoice selling 3 items qty 1 of each. Leave check open.

Invoice Test 2

- Create an invoice selling 2 items, 1 being a return. Leave check open.

Invoice Test 3

- Create an invoice 3 items, 1 sold 2 returned apply discounts to the sold item. Leave check open.

Invoice Test 4

- Create an invoice with 3 items being returned. Leave check open

Invoice Test 5

- Create an invoice with 1 item qty 1 sold. Void item off. Leave check open.

Invoice Test 6

- Create 2 invoices across 2 different hours with same invoice number and different items sold. Leave invoices open.

Invoice Test 7

- Ring up items using scanner and using manual input.

Invoice Test 8

- Ring up items using quantity/@ key and same item multiple lines without quantity/ @ key.

Invoice Test 9

- Ring up items with modifiers.

Polling should occur at this time.

- A detailed list of invoice numbers as well as report from POS system should be printed and sent in electronic format.

After Polling has occurred

- **E**dit invoice from Test 2 adding 1 more item. Close this check.

Edit invoice Test 3

- Remove discount and close check.

Edit invoice Test 4

- Close check.

Edit invoice Test 5

- Add an item back onto the invoice and close check out.

Edit Invoice Test 6

- On first invoice add 1 line item discount. Close the check. On second check add a discount to the total of the check. Close check.

TRAINING MODE

IF YOUR POS HAS A TRAINING MODE FOR NEW EMPLOYEES

Training Invoice Test 1

- Create a new sale with 3 SKUs sold. Close the check out.

Polling should occur at this time.

- A detailed sales report should be run and sent to DataWorks in electronic format.