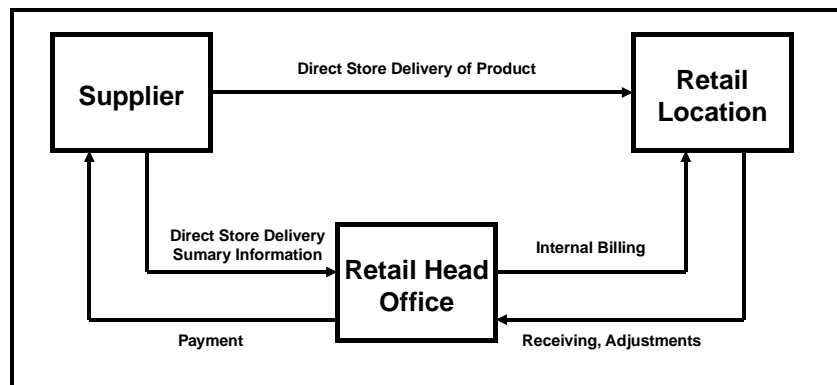# 882 Direct Store Delivery Summary Information

Introduction

The purpose of this section is to present and explain the application of the ASC X12 standards as they pertain to the retail industry implementation of the Direct Store Delivery Summary Information Transaction Set.

Within the general merchandise and grocery industries, direct store delivery (DSD) is a common method of replenishment. In this model, replenishment is governed by a pre-arranged vendor agreement that eliminates the purchase order and requires the supplier to re-stock products at the store level, either at pre-arranged intervals or when requested. This replenishment process is used primarily by small franchise retailers with limited in-store systems and no EDI capability.

Once replenishment has occurred, the supplier transmits an 882 transaction to the head office to request payment for the dollar value of the goods supplied to each location (store). The retailer pays the supplier and then bills each individual location.

ASC X12

882 Direct Store Delivery Summary Information

FUNCTIONAL GROUP ID = IG

This Draft Standard for Trial Use contains the format and establishes the data contents of the Direct Store Delivery Summary Information Transaction Set (882) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to summarize detailed delivery, return and adjustment information which was previously reconciled at time of delivery in a retail direct store delivery environment, and also to request payment for the products delivered. This transaction set will provide only a summary of direct store deliveries and adjustments without product detail.

Following this complete VICS convention and implementation guideline, find the profile describing its use in Canada.

Header

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
1507	0100	ST	Transaction Set Header	M	1	
1508	0200	G47	Statement Identification	M	1	
			LOOP ID - 0100			10
1509	0300	N1	Name	M	1	
1510	0400	N2	Additional Name Information	O	1	
1511	0500	N3	Address Information	O	2	
1512	0600	N4	Geographic Location	O	1	
1513	0700	N9	Reference Identification	O	10	
N/U	0800	G61	Contact	O	8	
N/U	0900	G23	Terms of Sale	O	20	

Detail

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
			LOOP ID - 0200			9999
1514	0100	G48	Statement/Invoice Identification	M	1	
			LOOP ID - 0210			99
1515	0200	G72	Allowance or Charge	O	1	
N/U	0300	G73	Allowance or Charge Description	O	10	
N/U	0400	G23	Terms of Sale	O	20	
N/U	0500	G25	F.O.B. Information	O	1	
1517	0600	G31	Total Invoice Quantity	O	1	
1519	0700	G33	Total Dollars Summary	M	1	

Summary

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
1520	0100	G49	Statement Total	M	1	
1521	0200	SE	Transaction Set Trailer	M	1	

VICS EDI | # 882 Direct Store Delivery Summary Information

Header

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
1507	0100	ST	Transaction Set Header	M	1	
1508	0200	G47	Statement Identification	M	1	
			LOOP ID - 0100			**10**
1509	0300	N1	Name	M	1	
1510	0400	N2	Additional Name Information	O	1	
1511	0500	N3	Address Information	O	2	
1512	0600	N4	Geographic Location	O	1	
1513	0700	N9	Reference Identification	O	10	

Detail

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
			LOOP ID - 0200			**9999**
1514	0100	G48	Statement/Invoice Identification	M	1	
			LOOP ID - 0210			**99**
1515	0200	G72	Allowance or Charge	O	1	
1517	0600	G31	Total Invoice Quantity	O	1	
1519	0700	G33	Total Dollars Summary	M	1	

Summary

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
1520	0100	G49	Statement Total	M	1	
1521	0200	SE	Transaction Set Trailer	M	1	

Transaction Set Note:

1/0300 One iteration of the N1 segment must be used to identify the party to receive the remittance.

	Segment:	**ST** Transaction Set Header
	Level:	Header
	Loop:	___
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number

Semantic: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤ ST01	143	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set **882** Direct Store Delivery Summary Information	M	ID	3/3
➤ ST02	329	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

ST03	1705	**Implementation Convention Reference** Reference assigned to identify Implementation Convention	O	AN	1/35

NOT USED BY THE RETAIL INDUSTRY

	Segment:	**G47** Statement Identification
	Level:	Header
	Loop:	___
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**G4701**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**M**	**DT**	**8/8**
			Statement date			
➤	**G4702**	**613**	**Statement Number** Identifying number for statement assigned by issuer for charges	**M**	**AN**	**1/16**

Segment:	**N1** Name	
Level:	Header	
Loop:	0100	**Usage:** Mandatory
Usage:	Mandatory	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax:	**1**	**R0203**

Max Use: 10

Segment: **N1** Name

Level: Header

Loop: 0100   **Usage:** Mandatory   **Max Use:** 10

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax:
  1 **R0203**
   At least one of N102 or N103 is required.

  2 **P0304**
   If either N103 or N104 is present, then the other is required.

Comments:
  A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

  B N105 and N106 further define the type of entity in N101.

Notes: **At least one occurrence of the N1 segment is required to specify the remit-to party by using code RI in N101.**

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**N101**	**98**	**Entity Identifier Code**	**M**	**ID**	**2/3**

Code identifying an organizational entity, a physical location, property or an individual

    BT Bill-to-Party

    RI Remit To

    SE Selling Party

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
	N102	**93**	**Name**	**C**	**AN**	**1/60**

Free-form name

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**N103**	**66**	**Identification Code Qualifier**	**C**	**ID**	**1/2**

Code designating the system/method of code structure used for Identification Code (67)

    1 D-U-N-S Number, Dun & Bradstreet

    See External Code Source 16 in Section III for reference document.

    9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

    See External Code Source 16 in Section III for reference document.

    21 Health Industry Number (HIN)

    See External Code Source 121 in Section III for reference document.

    91 Assigned by Seller or Seller's Agent

    92 Assigned by Buyer or Buyer's Agent

    UL UCC/EAN Location Code

    See External Code Source 583 in Section III for reference document.

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**N104**	**67**	**Identification Code**	**C**	**AN**	**2/80**

Code identifying a party or other code

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
	N105	**706**	**Entity Relationship Code**	**O**	**ID**	**2/2**

Code describing entity relationship

NOT USED BY THE RETAIL INDUSTRY

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
	N106	**98**	**Entity Identifier Code**	**O**	**ID**	**2/3**

Code identifying an organizational entity, a physical location, property or an individual

NOT USED BY THE RETAIL INDUSTRY

Segment: **N2** Additional Name Information
Level: Header
Loop: 0100
Usage: Optional
Max Use: 1
Purpose: To specify additional names

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**N201**	**93**	**Name** Free-form name	M	AN	1/60
	N202	**93**	**Name** Free-form name	O	AN	1/60

Segment: **N3** Address Information
Level: Header
Loop: 0100
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**N301**	**166**	**Address Information** Address information	M	AN	1/55
	N302	**166**	**Address Information** Address information	O	AN	1/55

Segment:	**N4** Geographic Location
Level:	Header
Loop:	0100
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party

Syntax: 1 **E0207**
Only one of N402 or N407 may be present.

2 **C0605**
If N406 is present, then N405 is required.

3 **C0704**
If N407 is present, then N404 is required.

Comments: A A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

B N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
N401	19	**City Name** Free-form text for city name	O	AN	2/30
N402	156	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	C	ID	2/2
N403	116	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States) **See External Code Source 51 in Section III for reference document.**	O	ID	3/15
N404	26	**Country Code** Code identifying the country **See External Code Source 5 in Section III for reference document.**	C	ID	2/3
N405	309	**Location Qualifier** Code identifying type of location **NOT USED BY THE RETAIL INDUSTRY**	C	ID	1/2
N406	310	**Location Identifier** Code which identifies a specific location **NOT USED BY THE RETAIL INDUSTRY**	O	AN	1/30
N407	1715	**Country Subdivision Code** Code identifying the country subdivision **NOT USED BY THE RETAIL INDUSTRY**	C	ID	1/3

	Segment:	**N9** Reference Identification
	Level:	Header
	Loop:	___
	Usage:	Optional
	Max Use:	10
	Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
	Syntax:	**1 R0203**
		At least one of N902 or N903 is required.
		2 C0605
		If N906 is present, then N905 is required.
	Semantic:	**1** N906 reflects the time zone which the time reflects.
		2 N907 contains data relating to the value cited in N902.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
➤	**N901**	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**
			Code qualifying the Reference Identification			
			GT Goods and Service Tax Registration Number			
			Canadian GST			
			Q8 Registration Number			
			Quebec Sales Tax Registration Number			
➤	**N902**	**127**	**Reference Identification**	**C**	**AN**	**1/50**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	N903	**369**	**Free-form Description**	**C**	**AN**	**1/45**
			Free-form descriptive text			
			NOT USED BY THE RETAIL INDUSTRY			
	N904	**373**	**Date**	**O**	**DT**	**8/8**
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
			NOT USED BY THE RETAIL INDUSTRY			
	N905	**337**	**Time**	**C**	**TM**	**4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
			NOT USED BY THE RETAIL INDUSTRY			
	N906	**623**	**Time Code**	**O**	**ID**	**2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow			
			NOT USED BY THE RETAIL INDUSTRY			
	N907	**C040**	**REFERENCE IDENTIFIER**	**O**	**COMPOSITE**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
			NOT USED BY THE RETAIL INDUSTRY			

Segment:	**G48** Statement/Invoice Identification	
Level:	Detail	
Loop:	0200 **Usage:** Mandatory **Max Use:** 9999	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To uniquely identify an invoice or adjustment	

Syntax:	**1**	**R0107**
		At least one of G4801 or G4807 is required.
	2	**P0102**
		If either G4801 or G4802 is present, then the other is required.
	3	**P0708**
		If either G4807 or G4808 is present, then the other is required.
Semantic:	**1**	G4802 is the invoice issue date.
	2	G4804 is the date assigned by the purchaser to the purchase order.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES		
➤	**G4801**	**76**	**Invoice Number** Identifying number assigned by issuer	**C**	**AN**	**1/22**	
➤	**G4802**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**C**	**DT**	**8/8**	
➤	**G4803**	**614**	**Store Number** A number assigned to uniquely identify a retail outlet or store	**O**	**AN**	**1/10**	
			Assigned by the retailer				
	G4804	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**DT**	**8/8**	
			NOT USED BY THE RETAIL INDUSTRY				
	G4805	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**O**	**AN**	**1/22**	
			NOT USED BY THE RETAIL INDUSTRY				
	G4806	**424**	**Vendor Order Number** Number assigned by a vendor referencing a particular customer purchase order	**O**	**AN**	**1/22**	
			NOT USED BY THE RETAIL INDUSTRY				
	G4807	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**C**	**ID**	**2/3**	
			NOT USED BY THE RETAIL INDUSTRY				
	G4808	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**C**	**AN**	**1/50**	
			NOT USED BY THE RETAIL INDUSTRY				
	G4809	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**DT**	**8/8**	
			NOT USED BY THE RETAIL INDUSTRY				

Segment:	**G72** Allowance or Charge	
Level:	Detail	
Loop:	0210 **Usage:** Optional **Max Use:** 99	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify allowances, charges, or services	
Syntax:	**1** **R03050809**	
	At least one of G7203, G7205, G7208 or G7209 is required.	
	2 **E050809**	
	Only one of G7205, G7208 or G72 may be present.	
	3 **P0607**	
	If either G7206 or G7207 is present, then the other is required.	
	4 **P0910**	
	If either G7209 or G7210 is present, then the other is required.	
	5 **C1103**	
	If G7211 is present, then G7203 is required.	
Semantic:	**1** G7209 is the allowance or charge percent.	
Comments:	**A** The G73 segment is required when G7201 contains code "499" or "999"; however, the use of these codes is discouraged.	

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	**G7201**	**340**	**Allowance or Charge Code**	M	ID	1/3
			Code identifying the type of allowance or charge			
			490 Goods and Services Credit Allowance			
			Canadian GST and Harmonized credit allowance			
			491 Tax Credit Allowance			
			Canadian Provincial Tax credit allowance			
			537 State or Province Tax			
			Canadian Provincial Sales Tax			
			990 Goods and Services Charge			
			Canadian GST and Harmonized Sales Tax			
➤	**G7202**	**331**	**Allowance or Charge Method of Handling Code**	M	ID	2/2
			Code indicating method of handling for an allowance or charge			
			02 Off Invoice			
	G7203	**341**	**Allowance or Charge Number**	C	AN	1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge			
			NOT USED BY THE RETAIL INDUSTRY			
	G7204	**769**	**Exception Number**	O	AN	1/16
			A unique number identifying an exception or modification to an offered or existing promotion			
			NOT USED BY THE RETAIL INDUSTRY			
	G7205	**359**	**Allowance or Charge Rate**	C	R	1/15
			Allowance or Charge Rate per Unit			
			NOT USED BY THE RETAIL INDUSTRY			
	G7206	**339**	**Allowance or Charge Quantity**	C	R	1/10
			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity			
			NOT USED BY THE RETAIL INDUSTRY			
	G7207	**355**	**Unit or Basis for Measurement Code**	C	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			NOT USED BY THE RETAIL INDUSTRY			

➤ | G7208 | 360 | **Allowance or Charge Total Amount** | C | N2 | 1/15
Total dollar amount for the allowance or charge

G7209 | 332 | **Percent** | C | R | 1/6
Percent expressed as a percent

NOT USED BY THE RETAIL INDUSTRY

G7210 | 828 | **Dollar Basis For Percent** | C | R | 1/9
Dollar basis to be used in the percent calculation of the allowance, charge or tax

NOT USED BY THE RETAIL INDUSTRY

G7211 | 770 | **Option Number** | O | AN | 1/20
A unique number identifying available promotion or allowance options when more than one is offered

NOT USED BY THE RETAIL INDUSTRY

Segment:	**G31** Total Invoice Quantity	
Level:	Detail	
Loop:	0200	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify summary details of total items shipped in terms of quantity, weight, and volume, and to specify payment method	
Syntax:	**1**	**P0304** If either G3103 or G3104 is present, then the other is required.
	2	**P0506** If either G3105 or G3106 is present, then the other is required.
	3	**C0704** If G3107 is present, then G3104 is required.
Semantic:	**1**	G3110 should only be used to express the quantity of third party pallets
	2	G3111 is the gross weight of third party pallets in pounds.
Comments:	**A**	G3102 qualifies G3101.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤	G3101	382	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10
➤	G3102	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2
			See Section III for code list.			
	G3103	81	**Weight** Numeric value of weight	C	R	1/10
	G3104	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
			See Section III for code list.			
	G3105	183	**Volume** Value of volumetric measure	C	R	1/8
			NOT USED BY THE RETAIL INDUSTRY			
	G3106	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
			NOT USED BY THE RETAIL INDUSTRY			
	G3107	398	**Order Sizing Factor** A product specification other than gross or net weight, or cubic feet for a line item or transaction used for order sizing and pricing purposes	O	R	1/10
			NOT USED BY THE RETAIL INDUSTRY			
	G3108	417	**Price Bracket Identifier** Identifier assigned by the vendor for a specific price bracket	O	AN	1/3
			NOT USED BY THE RETAIL INDUSTRY			
	G3109	107	**Payment Method Code** Code identifying type of payment procedures	O	ID	1/2
			NOT USED BY THE RETAIL INDUSTRY			
	G3110	380	**Quantity** Numeric value of quantity	O	R	1/15
			NOT USED BY THE RETAIL INDUSTRY			

G3111   **81**   **Weight**   **O**   **R**   **1/10**
Numeric value of weight

NOT USED BY THE RETAIL INDUSTRY

Segment: **G33** Total Dollars Summary
Level: Detail
Loop: 0200
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice amount, including charges less allowances, before terms discount

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
➤ G3301	610	**Amount** Monetary amount	M	N2	1/15

Segment:	**G49** Statement Total
Level:	Summary
Loop:	___
Usage:	Mandatory
Max Use:	1
Purpose:	To provide essential billing totals to the purchaser
Semantic:	**1** G4901 is the total monetary amount for all changes billed on a statement since issuance of the last statement.
	2 G4902 is the monetary amount for all unpaid charges prior to issuance of the current transaction.
	3 G4903 identifies the total monetary amount currently due the issuer of the charges.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
➤ **G4901**	**610**	**Amount** Monetary amount	**M**	**N2**	**1/15**
G4902	**610**	**Amount** Monetary amount	**O**	**N2**	**1/15**
		NOT USED BY THE RETAIL INDUSTRY			
G4903	**610**	**Amount** Monetary amount	**O**	**N2**	**1/15**
		NOT USED BY THE RETAIL INDUSTRY			

Segment: **SE** **Transaction Set Trailer**
Level: Summary
Loop: ___
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Comments: **A** SE is the last segment of each transaction set.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
➤	**SE01**	**96**	**Number of Included Segments**	**M**	**N0**	**1/10**
			Total number of segments included in a transaction set including ST and SE segments			
➤	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
			This must be the same number as is in the ST segment (ST02) for the transaction set.			