

STAR Data Transfer Specification
Vehicle Invoice/Inventory - Version 1.10.1

STAR Vehicle Invoice/Inventory Interface Specification
Version 1.10.1

This specification will be in effect on 7/4/2010. STAR reserves the right to modify this specification at any time without prior consent.

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Revision History Summary

Revision Date	Effective Date	Version	Revision Description
12/13/1996	4/1/1997	1.0	Initial Version
6/13/1997	7/1/1997	1.1	Add information to header record per NADA request. Indicates who the file is from and if transactions is New, Update, or Replacement.
10/12/1998	11/1/1998	1.2	Added additional fields to invoice, sold to, ship to and line item per Chrysler request.
8/12/1999	9/1/1999	1.3	Added data elements to several records, changed some data element names, changed some data element attributes and clarified definitions per AMDSG/DSP Data Element subcommittee. Changed specification name to allow usage for vehicle inventory as well as i
1/31/2000	8/1/2000	1.4	Defined required data elements on IDENT record, updated sample data.
7/27/2001	6/4/2002	1.5	Add Dealer Country to IDENT record, per GM's request. Added optional generic trailer record per GM's request.
10/22/2002	7/4/2003	1.6	Added Canadian Tax elements for GM Canada.
9/8/2003	7/4/2004	1.7	Draft 1.61 09/08/03 Added Dealer Assigned Number (DE#112160), Vehicle Trim Code (DE#108210), Status Date (DE#112170), Target Build Date (DE#112180), Reject Code (DE#112190), and Option Restriction Statements (DE#112200) to VI.INVOICE per GM Canada's request. Draft 1.62 10/20/03 Added "Hold Code" (DE# 112210) and "Reject Responsibility Code" (DE# 112220) to VI.INVOICE. Changed Description of "Reject Code" (DE# 112190): Original Description: "A code representing a reject reason." NEW Description: "Representing the reject status of an order." Removed "Trim Option Code" (DE# 108210) from VI.INVOICE. Draft 1.63 12/23/03 Added "Weight Tax" (DE # 112230) to VI.INVOICE on 12/23/03 per GM Canada's request. Draft 1.64 03/29/04 Added Reference ID (DE# 112260) to all the DTS IDENT Records per GM's (MSumner) request (UniqueRequestID 003).
10/22/2004	7/4/2005	1.8	Draft 1.71 10/22/04 - Added Sender/Destination Party Id, Location Id, and Service Id fields to IDENT per GM Canada's request MOD ID 027.
6/13/2005	7/4/2006	1.9	Draft 1.81 06/13/05 -Modified the description of Interface Version (DE #100220) MODID 059.
8/21/2006	7/4/2007	1.9.1	1.9.1 08/21/06 CR131 Ford AU - Added DE 112390 to IDENT
6/25/2009	7/4/2010	1.10.1	1.10.1 MT922 Ford - Added DE 112680, 112690 to VI.INVOICE

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

File Format and Location

- * Within the context of this specification, the file format must conform to the "STAR General File Format Requirements".
- * The File name and its location must conform to the standards indicated in the "STAR" General File Format Requirements".

Record Format

- * Within the context of this specification, the various record formats must conform to the "STAR General File Format" Requirements".

Record Identifiers

Record name	Record Identifier	Comments	Add/Change/ Inactivate
Identification	VI.IDENT	Must be the first record of the file. Occurs once for the entire file.	Change 1.9.1
Summary Information	VI.HEADER	Must be the first record of the transaction. Occurs once for each transaction.	Change 1.3
Sold To Information	VI.SOLDTO		Change 1.2
Ship To Information	VI.SHIPTO		Change 1.2
Bank Information	VI.BANK		
Finance Company Information	VI.FINANCE		
Manufacturer Information	VI.MANUFAC		
Invoice Information	VI.INVOICE		1.10.1
Line Item Information	VI.LINEITEM	Multiple Entries of This Record Allowed.	Change 1.3
Trailer Information	VI.TRAILER	Optional record that must be the last record in a file. Occurs once for the entire file. Counts the number of records in the file between the IDENT record and the TRAILER record - does not count the IDENT and TRAILER.	Add 1.5

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.IDENT	n/a		VI.IDENT:	Literal as given - Must be the first record of the file. Occurs once for the entire file.	
1	DCS software creator code	Creator Name Code	100242	Yes	AD		
2	DCS software code name	Creator Software Code	100244	Yes	"ELITE 2.0"		
3	This is the version of the STAR data transfer specification (DTS) used to build the transaction prefaced with the CreatorNameCode.	Interface Version	100220	Yes	RR1.1		Changed 1.9
4	Date the transaction was created	Transaction Create Date	100430	Yes	19990602		
5	Time the transaction was created	Transaction Create Time	100440	Yes	131523		
6	Dealer code number	Dealer Number	100210	Yes	206501		
7	Dealer code store number (DMS assigned)	Store Number	100240	Yes	124		
8	Dealer code area number (DMS vendor assigned)	Area Number	100200		014		
9	Code for destination of file - Short Manufacturer or Short DSP code	Destination Name Code	106190	Yes	HO		
10	For which software destination file is intended (May not be known)	Destination Software	106200		DCS		
11	Transaction type code indicates action to be taken for all records in this transaction set	Transaction Type Code	106210		N		
12	Dealer country location	Dealer Country	108430		USA		Add 1.5

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
13	Enables the sending application to indicate the instance identifier of the event or task that caused the transaction to be created. This is used to correlate a response transaction to an originating transaction.	Reference ID	112260		12A435B	Users are not required to transmit the field unless their business partner requires it. That is, if it is on the inbound transaction, it must be put on responses to that transaction.	Add 1.7
14	The Sender Party Id field uniquely identifies the Sender of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNs Number, ShortMfgCode + DUNs, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number.	Sender Party Id	112261		VW006942475	Literal as given	Added 1.8
15	The Sender Location Id field uniquely identifies the location of the Sender of a message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.	Sender Location Id	112262		022360	Literal as given	Added 1.8
16	The Sender Service Id field identifies the particular service from which a message is being sent, e.g., an inventory service.	Sender Service Id	112263		Wholesale Inventory	Literal as given	Added 1.8

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Identification Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
17	The Destination Party Id field uniquely identifies the Receiver of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNS Number, ShortMfgCode + DUNS, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number.	Destination Party Id	112264		VW401110	Literal as given	Added 1.8
18	The Destination Location Id field uniquely identifies the location of the Receiver of a message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.	Destination Location Id	112265		002520	Literal as given	Added 1.8
19	The Destination Service Id field identifies the particular service to which a message is being sent to, e.g., an inventory service.	Destination Service Id	112266		Wholesale Inventory	Literal as given	Added 1.8
20	Identifies the version of the user's implementation of the STAR standard. For example, the user may be on their second version of a STAR Parts Order DTS 1.0. In each version of a user implementation, the user may indicate additional STAR fields that they require to receive or STAR fields that they no longer require. NOTE: This version is not that same as the Interface Version which is the STAR DTS version number used for implementation prefaced by the CreatorNameCode.	Implementation Version Number	112390		1.1		Added 1.9.1

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Summary Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.HEADER	n/a		VI.HEADER:	Literal as given - Must be the first record of the transaction. Occurs once for each transaction.	
1	Manufacturer order reference number for this invoice (VON)	VI Order Reference	105600		08802		
2	Date of vehicle invoice	VI Date	105610		19981128		
3	Vehicle estimated time of arrival at Ship To dealer	VI ETA Date	105620		19981212		
4	Payment terms of invoice	VI Payment Terms	105630		"CASH DRAFT"		
5	Vehicle Shipment Carrier (Name or Code)	VI Ship Via	105640		"ACME TRUCKING"		
6	Warehouse or Distribution Center vehicle shipped from	VI Distribution Center	105650		N		
7	INACTIVE - DO NOT USE - Vehicle invoice count	VI Count	105660				Inactive 1.3
8	Date order originally placed with manufacturer	VI Order Date	107570		19981115		Add 1.3
9	Type of vehicle invoice/invoice transaction	VI Transaction Type	107580		1		Add 1.3

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Sold To Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.SOLDTO	n/a		VI.SOLDTO:	Literal as given	
1	Name of business entity invoiced for vehicle	VI Sold To Business Name	105670		"HANK JOHNSON"		
2	DBA name of business entity invoiced for vehicle	VI Sold To DBA Name	105680		"JOHNSON MOTORS"		
3	Address of business entity vehicle was sold to	VI Sold To Address	105690		"1121 AUTO ROW"		
4	City of business entity vehicle was sold to	VI Sold To City	105700		CARSVILLE		
5	State or province of business entity vehicle was sold to	VI Sold To State	105710		CA		
6	Zip or Postal Code of business entity vehicle was sold to	VI Sold To Zip Code	105720		90332		
7	Dealer code of business entity invoiced for vehicle	VI Sold To Dealer Code	106660		125		Add 1.2

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Ship To Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	VI.SHIPTO	n/a		VI.SHIPTO:	Literal as given	
1	Name of business entity vehicle was shipped to	VI Ship To Name	105730		"HANK JOHNSON"		
2	DBA Name of business entity vehicle was shipped to	VI Ship To DBA Name	105740		"JOHNSON MOTORS"		
3	Address of business entity vehicle was shipped to	VI Ship To Address	105750		"1121 AUTO ROW"		
4	City of business entity vehicle was shipped to	VI Ship To City	105760		CARSVILLE		
5	State or province of business entity vehicle was shipped to	VI Ship To State	105770		CA		
6	Zip or Postal Code of business entity vehicle was shipped to	VI Ship To Zip Code	105780		90332		
7	Dealer code of business entity vehicle was shipped to	VI Ship To Dealer Code	106670		125		Add 1.2

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Bank Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	VI.BANK	n/a		VI.BANK:	Literal as given	
1	Bank Business name	VI Bank Business Name	105790		"FIRST OF AMERICA"		
2	DBA Business Name of bank	VI Bank DBA Name	105800		"FIRST OF AMERICA"		
3	Address of bank	VI Bank Address	105810		"155 DINERO PLACE"		
4	City of bank	VI Bank City	105820		COBANA		
5	State or province of bank	VI Bank State	105830		CA		
6	Zip or postal code of bank	VI Bank Zip Code	105840		907663354		

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Finance Company Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	VI.FINANCE	n/a		VI.FINANCE:	Literal as given	
1	Name of Finance Company	VI Finance Company Name	105850		"FIRST OF AMERICA"		
2	Address of finance company	VI Finance Company Address	105860		"155 DINERO PLACE"		
3	City of finance company	VI Finance Company City	105870		COBANA		
4	State or province of finance company	VI Finance Company State	105880		CA		
5	Zip or Postal Code of finance company	VI Finance Company Zip Code	105890		907663354		

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Manufacturer Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.MANUFAC	n/a		VI.MANUFAC:	Literal as given	
1	Name of manufacturer or distributor	VI Manufacturer Name	105900		"AMERICAN HONDA MOTOR CO."		
2	Address of manufacturer or distributor	VI Manufacturer Address	105910		"1919 TORRANCE BLVD."		
3	City of manufacturer or distributor	VI Manufacturer City	105920		TORRANCE		
4	State or province of manufacturer or distributor	VI Manufacturer State	105930		CA		
5	Zip or Postal Code of manufacturer or distributor	VI Manufacturer Zip Code	105940		90501		

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Invoice Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.INVOICE	n/a		VI.INVOICE:	Literal as given	
1	Manufacturer-assigned Invoice Number associated with the vehicle	VI Number	105950		08802-01		
2	Grand total for vehicle invoice	VI Total	105960		23014.00		
3	Vehicle Port of Entry	VI Port Of Entry	105970		"LONG BEACH"		
4	Shipment carrier-assigned load number	VI Load Number	105980		LB98-142		
5	Border crossing flag	VI Border Crossing Flag	105990		N		
6	Vehicle identification associated with invoice or inventory	VI VIN	106000		4S6CM58V3T4407678		
7	Description of vehicle model	VI Model Description	106010		"ELECTRIC 4DR 4WD GLX"		
8	Flag to indicate manufacturer-installed accessories	VI Accessories Flag	106020		Y		
9	Ignition key number	Vehicle Ignition Key Number	106030		546789		
10	Door key number	VI Door Key	106040		006787		
11	Vehicle weight	VI Weight	106050		6500		
12	Serial number of the engine	VI Engine Number	106060		64138954		
13	Radio code	VI Radio Code	106070		USKA		
14	Vehicle primary exterior color code	VI Primary Exterior Color Code	106080		SI		
15	Vehicle primary exterior color name	VI Primary Exterior Color Name	106090		SILVER		
16	Vehicle Interior color code	VI Interior Color Code	106100		GR		
17	Vehicle interior color name	VI Interior Color Name	106110		GREEN		

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Invoice Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
18	Manufacturer's suggested price of retail vehicle	VI MSRP	106120		25500.00		
19	Hold back amount	VI Hold Back	106130		4500.00		
20	Manufacturer comments to dealer	VI Comments	106140		"DIPLOMAT VEHICLE"		
21	INACTIVE - DO NOT USE - Importer order number	VI Import Order Number	106150				Inactive 1.3
22	Destination/handling charges	VI Destination Handling	106160		395.00		
23	Vehicle designated model year	VI Model Year	106560		1999		Add 1.2
24	INACTIVE - DO NOT USE - Group Fund Code #1	VI Primary Group Fund Code	106570				Inactive 1.3
25	Group Fund Price #1	VI Primary Group Fund Price	106590		5961.23		Add 1.2
26	INACTIVE - DO NOT USE Group Fund Code #2	VI Secondary Group Fund Code	106580				Inactive 1.3
27	Group Fund Price #2	VI Secondary Group Fund Price	106600		7235.84		Add 1.2
28	Remote Control (Security code)	VI Remote Control	106610		RMTCTL		Add 1.2
29	Dealer Invoice (i.e., Actual amount invoiced to dealer)	VI Wholesale Price	106620		1205.67		Add 1.2
30	Vehicle status code - Example status could be Built, Scheduled, Shipped, In-Transit, Sold, etc.	VI Status Code	106640		SH		Add 1.2
31	Date shipped from warehouse or distribution center	VI Ship Date	106650		19981012		Add 1.2

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Invoice Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
32	Manufacturer-assigned model code - Sales model of vehicle is usually available in the VIN number (use NCIC code)	VI Model Code	107590		CMRY		Add 1.3
33	Vehicle secondary exterior color code	VI Secondary Exterior Color Code	107600		BK		Add 1.3
34	Vehicle secondary exterior color name	VI Secondary Exterior Color Name	107610		BLACK		Add 1.3
35	Identifies vehicle Invoice order type	VI Order Type	106890		STOCK		Add 1.3
36	Date vehicle was allocated and/or a delivery work order was cut	VI Allocated Date	107250		19990602		Add 1.3
37	Indicates the physical location of the vehicle	VI Stocking Type	107280		D		Add 1.3
38	Vehicle transmission type	VI Transmission Type	107340		A		Add 1.3
39	Supplemental manufacturer comments to dealer	VI Supplemental Comments	107460		"IMMEDIATE DELIVERY REQUESTED"		Add 1.3
40	Federal tax amount.	Goods And Services Tax	110740		5.00		Add 1.6
41	Provincial or state tax amount.	Provincial Sales Tax	110750		5.00		Add 1.6
42	Combination of federal and provincial tax amounts.	Harmonized Sales Tax	110760		5.00		Add 1.6
43	Tax amount.	Quebec Sales Tax	110770		5.00		Add 1.6
44	Tax amount for air conditioning.	Air Tax	110780		5.00		Add 1.6
45	The number given to an order by a dealer.	Dealer Assigned Number	112160		3452341		Add 1.7
46	The date the current status was recorded.	Status Date	112170		20030331		Add 1.7

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Invoice Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
47	The date the OEM expects to build the vehicle.	Target Build Date	112180		20030719		Add 1.7
48	Representing the reject status of an order.	Reject Code	112190		Y		Add 1.7
49	Information about option restrictions on the vehicle.	Option Restriction Statements	112200		Sun Roof on Hold.		Add 1.7
50	Representing the hold status of an order.	Hold Code Flag	112210		Y		Add 1.7
51	A code indicating who has action to take to address a reject.	Reject Responsibility Code	112220		OE		Add 1.7
52	An additional tax imposed on larger vehicles based on vehicle weight.	Weight Tax	112230		2500.00		Add 1.7
53	Amount charged for the fuel in a vehicle.	Fuel Charge Amount	112680				Added 1.10.1
54	Indicates applicability of GST for a given vehicle invoice.	GST Indicator	112690		Y		Added 1.10.1

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Line Item Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/Change/Inactivate
0	Record Identifier	VI.LINEITEM	n/a		VI.LINEITEM:	Literal as given - Multiple Entries of This Record Allowed.	
1	Line item description	VI Item Description	106170		"VIN# 4S6CM58V3T440 7678 ENG.#6vd1- 389454"		
2	VI MSRP relating to line item description	VI Item Price	106180		22619.35		
3	Miscellaneous codes relating to vehicle (i.e., sales codes)	VI Miscellaneous Codes	106630		ATR		Add 1.2
4	VI line item wholesale cost	VI Item Cost	107620		19684.00		Add 1.3
5	Option package number or identifier used as a method for grouping option package items from manufacturer(s) Ex: OptPkg1,cost,OptPkg1; Item1,nocost,OptPkg1; Item2,nocost,Optpkg1; Item3,cost,nullOptPkg; OptPkg2,cost,Optpkg2; Item5,nocost,OptPkg2...	VI Option Package Identifier	106900		OPTPK1		Add 1.3
6	Further definition of accessories and option packages - Indicates whether ordered option, special package, standard, etc.	VI Sales Code	107470		O		Add 1.3

STAR Data Transfer Specification

Vehicle Invoice/Inventory - Version 1.10.1

Trailer Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	VI.TRAILER	n/a		VI.TRAILER:	Literal as given - Optional record that must be the last record in a file. Occurs once for the entire file. Counts the number of records in the file between the IDENT record and the TRAILER record - does not count the IDENT and TRAILER.	Add 1.5
1	Number of detail records contained in this file	Number of Records	110500		45		Add 1.5