STAR Labor Operations Interface Specification
Version 1.4.1

This specification will be in effect on 7/4/2007. STAR reserves the right to modify this specification at any time without prior consent.

Revision History Summary

Revision Date	Effective Date	Version	Revision Description
10/11/2000	6/4/2001	1.0	Initial version
7/27/2001	6/4/2002	1.1	Add Dealer Country to IDENT record, per GM's request. Added optional generic trailer record per GM's request.
3/29/2004	7/4/2004	1.2	Draft 1.11 4 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	1.3	Draft 1.21 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	1.4	Draft 1.31 06/13/05 -Modified the description of Interface Version (DE #100220) MODID 059.
8/21/2006	7/4/2007	1.4.1	1.4.1 08/21/06 CR131 Ford AU - Added DE 112390 to IDENT

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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	LO.IDENT	Must be the first record of the file. Occurs once for the entire file.	Change 1.4.1
Header Information	LO.HEADER	Must be the first record of the transaction. Occurs once for each transaction.	
Related Labor Operation	LO.LABOR	Multiple entries of this record allowed. Must be grouped together	
Market Specific Information	LO.MARKET	Multiple entries of this record allowed. Must be grouped together.	
Failure Codes	LO.FAILURE	Multiple entries of this record allowed. Must be grouped together.	
Area Damage Codes	LO.DAMAGE	Multiple entries of this record allowed. Must be grouped together.	
Transaction Error	LO.TRANERR	Multiple entries of this record allowed. Must be grouped together.	
Trailer Information	LO.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 1.1

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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	LO.IDENT	n/a		LO.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		AD		
2	DCS software code name	Creator Software Code	100244		"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		RR1.1		Changed 1.4
4	Date the transaction was created	Transaction Create Date	100430		19990602		
5	Time the transaction was created	Transaction Create Time	100440		131523		
6	Dealer code number	Dealer Number	100210		206501		
7	Dealer code store number (DMS assigned)	Store Number	100240		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		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 1.1

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 1.2
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 1.3
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 1.3
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 1.3

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 1.3
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 1.3
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 1.3
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 1.4.1

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Header 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	LO.HEADER	n/a		LO.HEADER:	Literal as given - Must be the first record of the transaction. Occurs once for each transaction.	
1	Dealers' employee ID	Emp ID Code	100250		123456	Identification of dealership employee initiating the request	
2	System date when Repair Order was opened	Repair Order Date	105130		19961203		
3	Currently assigned code for this operation (preferably manufacturer code)	Labor Operation Code	104490		M00097		
4	Description of a particular operation code	Labor Operation Description	104510		"REPLACE RIGHT REAR WHEEL ASSEMBLY"		
5	Description of the Major Group for labor operation	Labor Operation Major Group Description	110400		Body Work		
6	Description of the Component Group for labor operation	Labor Operation Component Group Desc	110410		Roof		
7	Description of the Component Code for labor operation	Labor Operation Component Code Desc	110420		Repair Sun/moon roof		
8	Part number identifier - Part number, unless part type designates a manufacturer code	Part Number	104780		60400-SF9-A0022		
9	Part number detail description	Part Description	104770		"BULKHEAD COMP., FR."		
10	Federally defined 17 position vehicle identification number	Vehicle Identification Number	103680		XQRR1553B123 396S1		
11	Designates vehicle drive type	Vehicle Drive Type	110320		F		
12	Vehicle designated model year	Vehicle Model Year	108170		2000		

Header Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
13	Descriptive vehicle model name	Vehicle Model Description	109450		ACCORD		
14	Type of equipment on the vehicle	Vehicle Equipment Type	110330		Sun/moon roof option		
15	Type of training required to perform the labor operation	Technician Skill Area	110340		E		
16	Level of training required to perform the labor operation	Technician Skill Level	110350		T		
17	Flat rate labor hour allowance for this operation	Labor Hours	104480		2.75		
18	Labor operation category code	Labor Operation Code Type	104500		I2		
19	Designates labor rate type	Labor Rate Type	110360		B		
20	Indicates whether an invoice number is required when the labor operation was sublet (e.g. towing)	Sublet Invoice Number Flag	110370		Y		
21	Identifies repair as having been performed previously on the vehicle	Repeat Repair Flag	104385		Y		
22	Manufacturer-assigned code to describe type of labor performed (i.e., Repair, Replace, Adjust)	Labor Action Code	106920		RP		
23	Labor operation service action description.	Labor Action Description	110530		Alignment		
24	Code identifying a labor operation's major group.	Labor Operation Major Group	110540		02		
25	Code identifying a labor operation's component group.	Labor Operation Component Group	110550		53		
26	Code identifying a labor operation's component code.	Labor Operation Component Code	110560		58		

Header Information Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
27	Code identifying a labor operation's service locations. It is the location on the vehicle where the service will be performed.	Labor Operation Service Location	110570		01		
28	The Labor Operation Service Location Description is a textual description of the Labor Operation Service Location code identifying a labor operation's service locations.	Labor Operation Service Location Desc	110580		4-speed automatic transaxle		
29	Manufacturer-assigned model code of vehicle - Usually available in the VIN number (use NCIC code) or already on manufacturer host. If available in DMS or entered by dealer, it may be sent	Vehicle Model	105540		"ACCORD 4DR LX"		
30	Indicates whether this labor operation applies to a vehicle as built or equipped.	Labor Operation Vehicle Applicable	110600		Y or N		
31	Indicates whether a labor operation is restricted for a vehicle.	Labor Operation Vehicle Restricted	110610		Y or N		
32	Information for the dealer regarding usage of the labor operation.	Labor Operation Comment	110620		Dealer must replace rotors/discs in sets		

Related Labor Operation Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	LO.LABOR			LO.LABOR:	Literal as given - Multiple entries of this record allowed. Must be grouped together.	
1	Identifies the relationship between the main labor operation and a related labor operation	Labor Relationship Type	110380		P		
2	Currently assigned code for this related labor operation	Related Labor Operation Code	110390		M00097		
3	Description of a related labor operation code	Related Labor Operation Description	110430		Replace right rear wheel assembly		
4	Flat rate labor hour allowance for this related labor operation	Related Labor Hours	110440		2.7		
5	A textual description of the labor relationship type.	Labor Relationship Type Description	110590		S= Restricted/Overlapping, P=Operational Procedure, R=Related		

Market Specific 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	LO.MARKET			LO.MARKET:	Literal as given - Multiple entries of this record allowed. Must be grouped together.	
1	Paint and materials value at unit cost times quantity (Before any split)	PM Total Cost	104650		36.25		
2	Indicates that if this labor operation is used, the claim requires authorization	Prior Work Authorization Flag	110450		Y		

Failure Codes Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	LO.FAILURE			LO.FAILURE:	Literal as given - Multiple entries of this record allowed. Must be grouped together.	
1	Manufacturer-assigned code to describe the reason that a fault or symptom occurred (i.e., Reason Code)	Labor Trouble Failure Code	104590		272		
2	Description of labor trouble code	Labor Trouble Code Desc	104580		"NO GREASE"		
3	URL address for graphical image of failure code	Labor Trouble Code URL	110460		ABCMotors.com/ peelingpaint.img		

Area Damage Codes Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	LO.DAMAGE			LO.DAMAGE:	Literal as given - Multiple entries of this record allowed. Must be grouped together.	
1	Code Indicating Position/Location on Vehicle where labor was performed	Labor Op Position Code	106480		RR		
2	Description of position/location on vehicle where labor was performed	Labor Op Position Code Desc	110470		Roof		
3	Type of damage associated with labor operation	Labor Op Damage Code	110480		21		
4	Description of type of damage associated with labor operation	Labor Op Damage Code Desc	110490		Dented		

Transaction Error Record Layout

Position in Record	Data Element Definition	Data Element Name	Data Element Number	Required	Sample Data	Comments	Add/ Change/ Inactivate
0	Record Identifier	LO.TRANERR			LO.TRANERR:	Literal as given - Multiple entries of this record allowed. Must be grouped together.	
1	Error Code	Error Code	106430		0146		
2	Descriptive Error Text	Error Text	106440		"MISSING SHIP TO INFORMATION"		

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	LO.TRAILER	n/a		LO.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 1.1
1	Number of detail records contained in this file	Number of Records	110500	45			Add 1.1