



Corporate Information Standards

**GENERAL MOTORS IMPLEMENTATION GUIDELINES
FOR
INTERCHANGE CONTROL**

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION

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GENERAL INFORMATION

PURPOSE

This Implementation Guideline details how General Motors recommended way in which to use the UN/ECE Interchange Control Segments. This Guideline was developed in order to provide EDS ELIT with a means of routing transactions utilizing the Interchange Control Segments. This routing is accomplished through use of General Motors Standard File Names in the UNB Interchange Control Header.

APPLICATION

This Implementation Guideline is to be used by all General Motors trading partners using EDS ELIT to transfer any EDIFACT Messages. The Version/Release level of the UNB/UNZ Segments, the envelope is independent of the Version/Release level of the transaction Set (s) contained within the envelope; and therefore, may be used with any message.

STRUCTURE OF THE GM IMPLEMENTATION GUIDELINE

The GM Implementation Guideline appearing on the following pages, include the Segment explanations and an appendix. The Segment information requirements for data element usage are also defined. GM will use the following symbols in the left column:

>>	GM requires that information is provided
X	GM does not expect to receive this information
(blank)	Some GM locations may expect to receive this data.

The Attributes column, located on the right side of the Segment information, provides the EDIFACT element size. GM plans to conform to the EDIFACT field parameters.

MAINTENANCE

Changes to this document will be reviewed by Information Systems & Services Group and will be subject to corporate approval through the ECBPT. The change process can only be initiated by individuals/organizations within the General Motors Corporation.

INTERCHANGE CONTROL

TAG: UNB - Interchange Header

Purpose: To start, identify and specify an interchange

TAG: UNZ - Interchange Trailer

Purpose: To end and check the completeness of an interchange

This implementation guide specifies GM's requirements for use of the EDIFACT Interchange Control Structure (UNB). The UNB/UNZ provides the interchange envelope of a header and trailer for the electronic interchange through a data transmission, and it provides a structure to acknowledge the receipt and processing of the envelope.

Following the guidelines presented in the UNB section will provide EDS ELIT with the capability of creating routing information for the transfer of data within the EDS ELIT network.

THE FOLLOWING TAGS WILL NOT BE USED BY GM

FUNCTIONAL CONTROL

TAG: UNG - Functional Group Header

Purpose: To start, identify and specify a Functional Group

TAG: UNE - Functional Group Trailer

Purpose: To end and check the completeness of a Functional Group

Segment Directory

Segment: **UNB** Interchange Header
Position: 0005
Group:
Level: 0
Usage: Conditional
Max Use: 1
Purpose: To start, identify and specify an interchange
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNB+UNOA:2+QES:ZZ+AAU:ZZ+980825:1353+00000000000011+++++1'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	S001		Syntax identifier	M
			Identification of the agency controlling the syntax and indication of syntax level.	
>>		0001	Syntax identifier	M a4
			UNOA UN/ECE level A (Will always be used for all messages except the GENRAL)	
			Either UNOA or UNOB are approved for use with the GENRAL Message	
			Service String Characters: Apostrophe ('): segment terminator; Plus sign (+): segment tag and data element separator; Colon (:): component data element separator; Question mark (?): release character.	
>>		0002	Syntax version number	M n1
			Version number of the syntax identified in the syntax identifier (0001).	
			2 – Syntax Version Level defined in ISO 9735	
>>	S002		Interchange sender	M
			Identification of the sender of the interchange.	
>>		0004	Sender identification	M an..35
			Name or coded representation of the sender of a data interchange.	
			Communication Code of the party originating the transaction	
		0007	Partner identification code qualifier	C an..4
			01 – Duns Number ZZ Mutually Defined	
X		0008	Address for reverse routing	C an..14
			Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.	
>>	S003		Interchange recipient	M
			Identification of the recipient of the interchange.	
>>		0010	Recipient identification	M an..35

		Name or coded representation of the recipient of a data interchange.		
		Communication Code of the party receiving the transaction		
	0007	Partner identification code qualifier	C	an..4
		01 – Duns Number		
		ZZ Mutually Defined		
X	0014	Routing address	C	an..14
		Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.		
>>	S004	Date/time of preparation	M	
		Date/time of preparation of the interchange.		
>>	0017	Date of preparation	M	n6
		Local date when an interchange or a functional group was prepared.		
		Information will be formatted as YYMMDD		
>>	0019	Time of preparation	M	n4
		Local time of day when an interchange or a functional group was prepared.		
		Information will be presented as HHMM (assume 24 hour clock)		
>>	0020	Interchange control reference	M	an..14
		Unique reference assigned by the sender to an interchange.		
		Control Number for the Interchange. Must also appear in the UNZ.		
X	S005	Recipients reference password	C	
		Reference or password as agreed between the communicating partners.		
	0022	Recipient's reference/password	M	an..14
		Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.		
	0025	Recipient's reference/password qualifier	C	an2
		Qualifier for the recipient's reference or password.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
	0026	Application reference	C	an..14
		RESERVED FOR NETWORK USE		
		Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type.		
X	0029	Processing priority code	C	a1
		Code determined by the sender requesting processing priority for the interchange.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	0031	Acknowledgment request	C	n1
		Code determined by the sender for acknowledgment of the interchange.		
		Refer to D.97A Data Element Dictionary for acceptable code values.		
X	0032	Communications agreement id	C	an..35
		Identification by name or code of the type of agreement under which the interchange takes place.		
	0035	Test indicator	C	n1
		1 Interchange is a test file		

Note -1: When a GM trading partner is responding to an EDI communication from GM, the UNB prepared by the trading partner **must** contain the same Interchange Sender/Receiver IDs received in the GM UNB, but reversed in position (Sender ID moved to Receiver ID and Receiver ID moved to Sender ID). Transaction

sets intended for a different GM destination (system or organizational unit) **must not be** contained in this specific UNB/UNZ envelope; they **must** be placed in a separate UNB/UNZ envelope with the appropriate destination code and the correct GM Standard File Name.

GM is composed of many different systems and organizational units that operate independently from each other, and each must be kept independent of the others as far as sources and destinations of data. All Functional Groups within a single UNB/UNZ envelope must be of the same type so they will be routed properly.

Note -2: Your GM EDI contact **must** be notified if the data is test data.

Segment: UNZ Interchange Trailer
Position: 1050
Group:
Level: 0
Usage: Conditional
Max Use: 1
Purpose: To end and check the completeness of an interchange
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNZ+1+00000000000011'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	0036		Interchange control count Count either of the number of messages or, if used, of the number of functional groups in an interchange.	M n..6
>>	0020		Interchange control reference Unique reference assigned by the sender to an interchange. Control Number for the Interchange. Must also appear in the UNB.	M an..14

APPENDIX

STANDARD FILE NAMES

EDIFACT DOCUMENT

GM REQUIRED FILENAMES

APERAK	Application Error and Acknowledgment
DELFOR	Delivery Schedule
DELJIT	Delivery Just In Time
DESADV	Despatch Advice
RECADV	Receiving Advice
GENRAL	Genral Purpose
INVRPT	Inventory Report

GMAPERAK
GMDELFOR
GMDELJIT
GMDESADV
GMRECADV
GMGENRAL
GMINVRPT

These filenames are used in the *THS record of the transmission. When data files are transferred through a value-added network, the filenames may also appear in the UNB segment, component element 0026.

Interchange Guideline Change Log

Item Number	Segment Group	Segment	Composite Code	Component	Code Values	Detail of Change
98.1.1		UNB	S001	0002	2	Added code value '2' to UNB to clarify version GM will be using
98.1.2		UNB	S001	0001	UNOB	Added code value 'UNOB' for use with the GENRAL Message only.
98.1.3		UNB	S002	0004 0007	1	Added code value '1' to allow for Duns number as communication qualifier ID