GENERAL MOTORS IMPLEMENTATION GUIDELINES

FOR

INTERCHANGE CONTROL

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION
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</tr>
</tbody>
</table>
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>TITLE</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL INFORMATION</td>
<td>4</td>
</tr>
<tr>
<td>SEGMENT DIRECTORY</td>
<td>6</td>
</tr>
<tr>
<td>APPENDIX</td>
<td>10</td>
</tr>
<tr>
<td>INTERCHANGE GUIDELINE CHANGE LOG</td>
<td>11</td>
</tr>
</tbody>
</table>
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: 0  
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+0000000000011++++++1’

<table>
<thead>
<tr>
<th>Data Element</th>
<th>Component</th>
<th>Element Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>S001</td>
<td>Syntax identifier</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>
|              | Identification of the agency controlling the syntax and indication of syntax level.  
|              | 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            | 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 |  

General Motors Corporation All Rights Reserved  
Interchange – revision 1  
September 1, 1998
Name or coded representation of the recipient of a data interchange.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007</td>
<td>Partner identification code qualifier</td>
<td>C</td>
<td>an..4</td>
</tr>
<tr>
<td></td>
<td>01 – Duns Number</td>
<td></td>
<td>ZZ: Mutually Defined</td>
</tr>
</tbody>
</table>

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.

Date/time of preparation               | M      |

Date/time of preparation of the interchange.

Date of preparation                    | M      | n6    |

Local date when an interchange or a functional group was prepared.
Information will be formated as YYMMDD

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)

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.

Recipients reference password          | C      |

Reference or password as agreed between the communicating partners.

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.

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.

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.

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.

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.

Communications agreement id            | C      | an..35 |

Identification by name or code of the type of agreement under which the interchange takes place.

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: \textbf{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: \texttt{UNZ+1+00000000000011'}

\begin{table}[h]
\centering
\begin{tabular}{|c|c|c|}
\hline
\textbf{Data Element} & \textbf{Element Name} & \textbf{Attributes} \\
\hline
\texttt{0036} & Interchange control count & M \ n..6 \\
\hline
\texttt{0020} & Interchange control reference & M \ an..14 \\
\hline
\end{tabular}
\end{table}

\begin{itemize}
\item Count either of the number of messages or, if used, of the number of functional groups in an interchange.
\item Unique reference assigned by the sender to an interchange.
\item Control Number for the Interchange. Must also appear in the UNB.
\end{itemize}
# APPENDIX

## STANDARD FILE NAMES

<table>
<thead>
<tr>
<th>EDIFACT DOCUMENT</th>
<th>GM REQUIRED FILENAMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>APERAK Application Error and Acknowledgment</td>
<td>GMAPERAK</td>
</tr>
<tr>
<td>DELFOR Delivery Schedule</td>
<td>GMDELFOR</td>
</tr>
<tr>
<td>DELJIT Delivery Just In Time</td>
<td>GMDELBST</td>
</tr>
<tr>
<td>DESADV Despatch Advice</td>
<td>GMDESADV</td>
</tr>
<tr>
<td>RECADV Receiving Advice</td>
<td>GMRECDVT</td>
</tr>
<tr>
<td>GENRAL General Purpose</td>
<td>GMGENRAL</td>
</tr>
<tr>
<td>INVRPT Inventory Report</td>
<td>GMINVRPT</td>
</tr>
</tbody>
</table>

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

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