EDIFACT

Interchange Control

Guidelines
Saturn Corporation

EDIFACT INTERCHANGE CONTROL GUIDELINES

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PURPOSE
This Implementation Guideline details how Saturn uses 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 Saturn trading partners using EDS ELIT to transfer any EDIFACT message. 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 SATURN IMPLEMENTATION GUIDELINE
The Saturn 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. Saturn will use the following symbols in the left column:

>> Saturn will transmit data in this segment.

X Saturn will not transmit data in this segment.

(blank) Saturn may transmit data in this segment.

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

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: **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:  
Example: **UNB+UNOA:4+160943056:01+876543210:01+19980801:1505+00000000000001+++++1**

<table>
<thead>
<tr>
<th>Data Element</th>
<th>Component Element</th>
<th>Name</th>
<th>Attributes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S001</td>
<td>Syntax identifier</td>
<td>Syntax identifier</td>
<td>M</td>
<td>Identification of the agency controlling the syntax and indication of syntax level.</td>
</tr>
</tbody>
</table>
| 0001         | Syntax identifier | Syntax identifier     | M          | **a4**  
UNOA UN/ECE level A  
Apostrophe ('): segment terminator;  
Plus sign (+): segment tag and data element separator;  
Colon (:): component data element separator;  
Question mark (?): release character. |
| 0002         | Syntax version number | Syntax version number | M          | **n1**  
Version number of the syntax identified in the syntax identifier (0001).  
4 – Syntax Version Level defined in ISO 9735  
(Version 2 is not Y2K compliant. Version 4 will be Y2K compliant.)  
Refer to D.97A Data Element Dictionary for acceptable code values. |
| S002         | Interchange sender | Interchange sender    | M          | Identification of the sender of the interchange.                                                                                                  |
| 0004         | Sender identification | Sender identification | M          | **an..35**  
Name or coded representation of the sender of a data interchange.  
Saturn will transmit a Dun and Bradstreet Number for all Saturn transmitted documents.  
(ex. DELFOR, DELJIT, GENRAL) This Duns Number represents the party originating the transaction.  
Saturn Service Parts expects this element to be a 3-character GM Communications Code (a.k.a. GMNET Code) for supplier transmitted documents to Saturn (ex. DESADV). This GMNET Code represents the party originating the transaction. |
| 0007         | Partner identification code qualifier | Partner identification code qualifier | C          | **an..4**  
Use 01 to indicate a Dun and Bradstreet number when a Dun and Bradstreet Number is transmitted in the previous element (S002,0004).  
Use ZZ to indicate a Mutually Defined value when a GM Communications Code is transmitted in the previous element (S002, 0004). |
| X            | Address for reverse routing | 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. |
<table>
<thead>
<tr>
<th>Element Code</th>
<th>Description</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S003</td>
<td>Interchange recipient</td>
<td>M</td>
<td>Identification of the recipient of the interchange.</td>
</tr>
<tr>
<td>0010</td>
<td>Recipient identification</td>
<td>M an..35</td>
<td>Name or coded representation of the recipient of a data interchange.</td>
</tr>
<tr>
<td></td>
<td>Saturn will transmit a Dun and Bradstreet Number for all Saturn transmitted documents. (ex. DELFOR, DELJIT, GENRAL). Dun and Bradstreet Number of the party receiving the transaction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Saturn Service Parts expects this element to be a 3-character GM Communications Code (a.k.a. GMNET Code) for supplier transmitted documents to Saturn (ex. DESADV). This GMNET Code represents the party receiving the transaction.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0007</td>
<td>Partner identification code qualifier</td>
<td>C an..4</td>
<td>Use 01 to indicate a Dun and Bradstreet number when a Dun and Bradstreet Number is transmitted in the previous element (S003,0010).</td>
</tr>
<tr>
<td></td>
<td>Use ZZ to indicate a Mutually Defined value when a GM Communications Code is transmitted in the previous element (S003, 0010).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X 0014</td>
<td>Routing address</td>
<td>C an..14</td>
<td>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.</td>
</tr>
<tr>
<td>X 0017</td>
<td>Date/time of preparation</td>
<td>M</td>
<td>Date/time of preparation of the interchange.</td>
</tr>
<tr>
<td>X 0019</td>
<td>Time of preparation</td>
<td>M n4</td>
<td>Local time of day when an interchange or a functional group was prepared. Information will be presented as HHMM (assume 24 hour clock)</td>
</tr>
<tr>
<td>X 0020</td>
<td>Interchange control reference</td>
<td>M an..14</td>
<td>Unique reference assigned by the sender to an interchange. Control Number for the Interchange. Must also appear in the UNZ.</td>
</tr>
<tr>
<td>X 0022</td>
<td>Recipient's reference/password</td>
<td>C an..14</td>
<td>Reference or password as agreed between the communicating partners.</td>
</tr>
<tr>
<td>X 0025</td>
<td>Recipient's reference/password qualifier</td>
<td>C an2</td>
<td>Qualifier for the recipient's reference or password. Refer to D.97A Data Element Dictionary for acceptable code values.</td>
</tr>
<tr>
<td>X 0026</td>
<td>Application reference</td>
<td>C an..14</td>
<td>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.</td>
</tr>
<tr>
<td>X 0029</td>
<td>Processing priority code</td>
<td>C a1</td>
<td>Code determined by the sender requesting processing priority for the interchange. Refer to D.97A Data Element Dictionary for acceptable code values.</td>
</tr>
<tr>
<td>X 0031</td>
<td>Acknowledgment request</td>
<td>C n1</td>
<td>Code determined by the sender for acknowledgment of the interchange. Refer to D.97A Data Element Dictionary for acceptable code values.</td>
</tr>
<tr>
<td>X 0032</td>
<td>Communications agreement id</td>
<td>C an..35</td>
<td>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.</td>
</tr>
</tbody>
</table>
Identification by name or code of the type of agreement under which the interchange takes place.

<table>
<thead>
<tr>
<th>0035</th>
<th>Test indicator</th>
<th>C</th>
<th>n1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Interchange is a test file</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Segment: **UNZ** Interchange Trailer

Position: 1050

Group: 0

Level: 0

Usage: Conditional

Max Use: 1

Purpose: To end and check the completeness of an interchange

Syntax Notes:

Semantic Notes:

Comments:

Example: UNZ+1+00000000000001'

---

**Data Element Summary**

<table>
<thead>
<tr>
<th>Data Element</th>
<th>Component Equivalent</th>
<th>Data Element Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0036</td>
<td></td>
<td>Interchange control count</td>
<td>M n..6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Count either of the number of messages or, if used, of the number of functional groups in an interchange.</td>
<td></td>
</tr>
<tr>
<td>0020</td>
<td></td>
<td>Interchange control reference</td>
<td>M an..14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unique reference assigned by the sender to an interchange. Control Number for the Interchange. Must also appear in the UNB.</td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX - STANDARD FILE NAMES

EDIFACT DOCUMENT | GM REQUIRED FILENAMES
---|---
APERAK | Application Error and Acknowledgment | GMAPERAK
DELFOR | Delivery Schedule | GMDELFOR
DELJIT | Delivery Just In Time | GMDELJIT
DESADV | Despatch Advice | GMDESADV
RECADV | Receiving Advice | GMRECADV
GENRAL | Genral Purpose | GMGENRAL
INVRPT | Inventory Report | 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.