Preface

General

Volvo is following the AIAG Implementation Guideline for the Interchange Control Structure. If more detailed information is needed see AIAG Implementation Guideline version 004 release 010.

Among the cornerstones of the Interchange control structure we find the following:

Interchange control structure

Service segment (ISA, GS, GE, IEA)

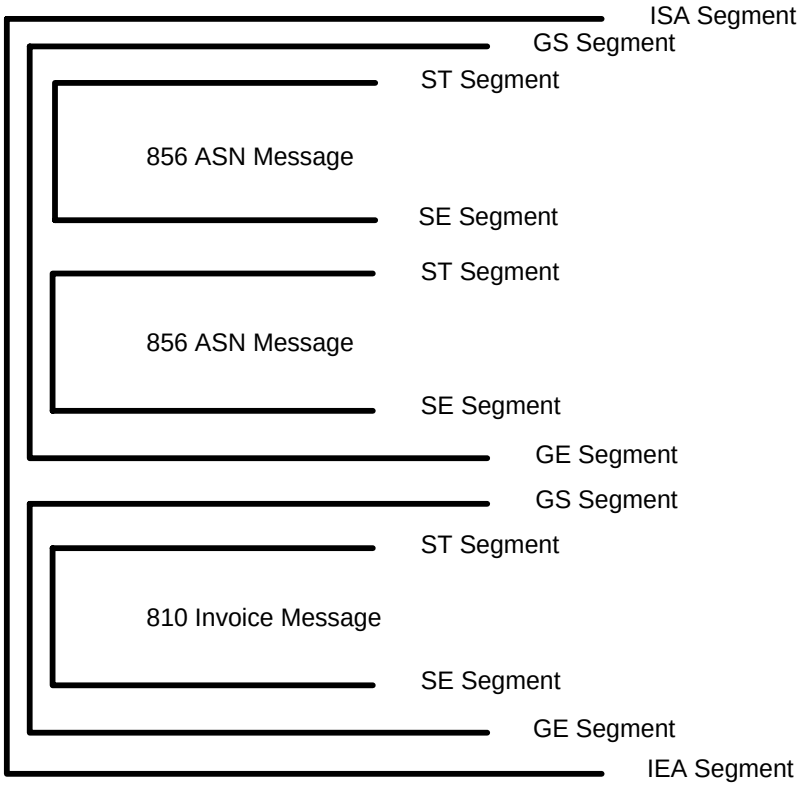
Separators

Partner Identification

For further information, we recommend you to study the ANSI X12 version 004010 and AIAG Implementation Guideline version 004, release 010.

Transfer structure

Transfers according to ASC X12 follow a hierarchical pattern. This figure show the structure when more than one message type, is sent in the same Interchange.



Separators

The values of the data element separator and the data segment terminator for this interchange are given by the interchange control header (ISA).

In all examples the data element separator is represented by the "*****" character, the sub-element separator is represented by the"**:**" character, and the data segment terminator is represented by the "**.**" character.

In an interchange, the value at the fourth character position in the ISA segment is the data element separator, and the value of the last character position is the value of the data segment terminator (1 byte after the data element ISA16). The sub-element is given in ISA16.

Acceptable characters for the segment terminator are for EBCDIC HEX 15 and for ASCII HEX 0D.

Character sets

Volvo supports both Basic (upper case) and extended (lower and upper case) characters.

However we recommend the use of Basic characters whenever it is possible.

The application agreement form gives details about any restrictions on characters.

Identification of partners

AIAG recommends the use of Duns number (Dun & Bradstreet) as an existing code system for identification of partners.

The Duns numbers are sometimes at such high level, that we need a suffix to determine the exact sender or recipient.

The qualifier 14 indicates that Duns number with suffix is used.
In the EDI messages we identify partners with other identities, each message type has specific guidelines about the valid codes.

Interchange ID (ISA06/ISA08)

Together with the qualifier, these data elements produce a unique global identity for the sender or recipient.
See Application Agreements for the correct addresses.

Qualifier (ISA05/ISA07)

Refers to the Interchange ID (ISA06/ISA08); A level of significance is given to the Interchange ID, depending on the value allocated to the qualifier. A value of 1,or 14 shows that Duns number is used.