

Message Structure

The enliteB2B message is collection of one or several tables	
One table has one record definition	
The record is composed of fields	
Each field has a field type	Field types are UC (Unicode); AN (Alphanumeric); NM(Numeric); DT(Date); TM(Time)

Tables

A message is a collection of tables.	
The table has one data record definition	
The table has a unique table TAG	The table tag has a fixed length of 3 alphanumeric characters.
The table ends when a new table starts or at the end of the message.	
A table can only occur once in a message. Once the table has ended it can't reoccur in the same message.	

Relation between Tables

An explicit relation between 2 tables is created by assigned some fields the function of link fields. The link fields are defined in the data model.	
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Service Tables: The envelopes

In the B2B message, 2 tables are reserved:

STR for Start is the opening table for every enliteB2B message. The data record in this table is restricted to 1 occurrence and is mandatory.	The start table defines the sender and receiver address details and defines the data model used to compose the message
END for End is the closing table for every enliteB2B message. The data record is restricted to one occurrence and is restricted to one.	The end table marks the end of the message

Character Set

enliteB2B messages are based on the Unicode UTF-8 Character Set	
Some characters are fully excluded from the message	See E&R Excluded and Reserved Table
Some characters are reserved as field or record separators and can't occur anywhere else in the message	See Excluded and Reserved Table

Record Types

Record Types	We recognize the following record types: The Header Record The Date Record
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The Header Record: Record Type TAG : H	Contains the field (column) labels The Default label is the label as defined in the data model The field type of the header record are of type Unicode (UC)
The Data Record: Record Type TAG : D	Contains the actual data The fields type of the data record are defined in the data model

Records

The first field of every record is reserved for the record tag.	
The record tag is a concatenation of the table tag & the record type tag.	
Example of record tags	The header records of table with table tag LIN has record tag LINH The data records of table with table tag LIN has record tag LIND

Field Types

UC: Unicode UTF-8	field can contain any Unicode UTF-8 character with exception of the Excluded and Reserved characters. UC is the default field Type,
AN: Alpha Numeric	Restricted to Unicode characters ranging from U+0020 to U+007C and U+00A1 to U+00FF
NM: Numeric	In this field type only cyphers characters, the plus sign, the minus sign & the decimal separator can be used
DT: Date (YYYYMMDD)	In this field type only cyphers characters are allows. The field has a fixed format. YYYYMMDD where YYYY is the year expressed with 4 cyphers, MM is the month and DD is the day within the month.
TM: Time (HHMMSS)	In this field type only cyphers characters are allows. The field has a fixed format. HHMMSS where HH is the hour expressed with 2 cyphers, MM are the minutes and SS is the Seconds.
Default Field Type: UC	When no field type is specified, the is by default of type UC.

Field Separator

Hex(09) Horizontal Tab Character	U+0009
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Record Separator

Hex(0D) & Hex (0A) Carriage Return & Line Feed	U+000D and U+000A
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Decimal Separator

Hex (2C) or Hex (2E) Comma or Period	The decimal separator can either be the comma or the period. The decimal separator is only recognized as decimal separator in numeric field. The selected decimal separator has to be used consistently throughout the message. U+002C or U+002E
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Value Lists

Value list is a set of values that is linked to a field in the data model.	
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