

EDIFACT SERVICE SEGMENTS FOR RAILWAY ENERGY BILLING

The segments are defined according to syntax version 3.

UNA

UNA Service String advice

Function: To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.

Classification: Required (R1).

Comments: The specifications in the Service string advice take precedence over the specifications for delimiters etc. in segment UNB.

Example: UNA:+.? '

Ref.	Name	Cl.	Form.	Description
	COMPONENT DATA ELEMENT SEPARATOR	M	an1	«:» (Colon)
	DATA ELEMENT SEPARATOR	M	an1	«+» (Plus sign)
	DECIMAL NOTATION	M	an1	«.» (full stop)
	RELEASE INDICATOR	M	an1	«?» (Question mark)
	Reserved for future use	M	an1	Insert space character
	SEGMENT TERMINATOR	M	an1	«'» (Apostrophe)

UNB

UNB Interchange Header

Function: To start, identify and specify an interchange.

Classification: Mandatory (M1).

Comments: The use of the UNB segment shall be agreed in an Interchange Agreement.

Example: UNB+UNOC:3+01212345678912:14+12123456789123:14+101026:1434+234567810'

Ref.	Name	Cl.	Form.	Description
S001	SYNTAX IDENTIFIER	M		
0001	Syntax identifier	M	a4	Code: UNOC
0002	Syntax version number	M	n1	Code: 3 Version 3 of EDIFACT-syntax shall be used if Syntax identifier is "UNOC"
S002	INTERCHANGE SENDER	M		
0004	Sender identification	M	an..35	EAN Global Location no. (GLN)
0007	Partner identification code qualifier	R	an..4	Code: 14 EAN (European Article Numbering Association)
0008	Address for reverse routing	O	an..14	Only used if nationally or bilaterally agreed.
S003	INTERCHANGE RECIPIENT	M		
0010	Recipient Identification	M	an..35	EAN Global Location no. (GLN)
0007	Partner identification	R	an..4	Code: 14 EAN (European Article Numbering Association)

0014	Routing address	O	an..14	Only used if nationally or bilaterally agreed.
S004	DATE/TIME OF PREPARATION	M		
0017	Date	M	n6	Date for creation of interchange (YYMMDD)
0019	Time	M	n4	Time for creation of interchange (HHmm)
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	Reference assigned by sender. Shall be unique over time for the sender defined in S002. If not unique the latest shall automatically be rejected.
S005	RECIPIENTS REFERENCE, PASSWORD	X		
0022	Recipient's reference/ password	X	an..14	
0025	Recipient's reference/ password qualifier	X	an2	
0026	APPLICATION REFERENCE	O	an..14	An BPI may be used according to national rules or ebIX Business information models.
0029	PROCESSING PRIORITY CODE	X	a1	
0031	ACKNOWLEDGEMENT REQUEST	O	n1	Code: 1 if sender requests an EDIFACT CONTRL message, i. e. UNB and UNZ segments received and identified, otherwise not used.
0032	COMMUNICATIONS AGREEMENT	X	an..35	
0035	TEST INDICATOR	D	n1	Code: 1 if the interchange is a test, otherwise not used.

UNZ

UNZ Interchange Trailer

Function: To end and check the completeness of an interchange.

Classification: Mandatory (M1).

Comments:

Example: UNZ+1+234567810'

Ref.	Name	Cl.	Form.	Description
0036	INTERCHANGE CONTROL COUNT	M	n..6	The count of the number of messages in the interchange
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	Shall be identical to 0020 in UNB.