

## Structure of messages

The message is divided into two parts:

- the structure part;
- the 'data group' part.

The structure part provides the following:

- the sequence of the data groups in the message;
- a data group name;
- a number followed by the character 'x' indicating how many times the data group is repeated in the message;
- a value indicating whether the data group is (R)equired, (O)ptional or conditional (D: Dependent);
- when any Rules or Conditions apply, a reference is provided;
- data group indentation indicates that the data group depends on lower indent data group.

The 'data group' detail part provides for each attribute the following:

- the sequence of attributes within a data group;
- a data group name, as in the structure part;
- the attribute name within the data group;
- a value indicating whether an attribute is (R)equired, (O)ptional or conditional (D: Dependent);
- the data type of a data item: (a)lphabetic and/or (n)numeric;
- the attribute length (the optional 2 dots before the length indicator mean that a data item has no fixed length, but it can have up to a number of digits, as specified by the length indicator); it must be noted that the data type / attribute length of fields representing a date is always 'n8' in order to be year 2000 compliant (e.g. 19980220); also, a comma in the data item length (e.g. 11,3), means that a data item can hold decimals, the digit before the comma indicates the maximum total length of an data item, the digit after the comma indicates the maximum number of digits after the decimal point;
- the Rules (R), Conditions (C), Technical Rules (TR) and Codelists (CL) applying.

## Example

MESSAGE	1x	R							<b>Commento [FC1]:</b> The data group "MESSAGE" cannot be repeated more than once
---HEADER	1x	R							<b>Commento [FC2]:</b> The data group "HEADER" is (R)quired
---FUNCTIONAL ERROR	999x	D			R123				<b>Commento [FC3]:</b> Data group name
MESSAGE									<b>Commento [FC4]:</b> The data group "FUNCTIONAL ERROR" could be repeated 999 times in the message
Syntax identifier		R	a4	CL021					<b>Commento [FC5]:</b> The sequence of the data groups in the message
Syntax version number		R	n1	CL022					<b>Commento [FC6]:</b> Rules R123 applies to this data group
Message sender		R	an..35						<b>Commento [FC7]:</b> The structure part
Sender identification code qualifier		O	an..4						<b>Commento [FC8]:</b> The "MESSAGE" 'data group' part
Message recipient		R	an..35						
Recipient identification code qualifier		O	an..4						
Date of preparation		R	n6						
Time of preparation		R	n4						
Interchange control reference		R	an..14						
Recipient's reference/password		O	an..14						
Recipient's reference/password qualifier		O	an2						
Application reference		O	an..14						
Priority		O	a1						
Acknowledgement request		O	n1	CL027					
Communications agreement id		O	an..35						
Test indicator		O	n1	CL027	TR9085				<b>Commento [FC9]:</b> Technical rule TR9085 applies to this attribute
Message identification		R	an..14						
Message type		R	an..6	CL060					
Common access reference		O	an..35						
Message sequence number		O	n..2						
First and last transfer		O	a1	CL028					<b>Commento [FC10]:</b> The sequence of attributes within the data group "MESSAGE"
---HEADER									<b>Commento [FC11]:</b> The "HEADER" 'data group' part
Document/reference number		R	an..21						
Arrival rejection date		R	n8						
Action to be taken		O	an..350						<b>Commento [FC12]:</b> The attribute "Arrival rejection date" is a numeric field of 8 characters.
Action to be taken LNG		O	a2	CL012	TR0099				<b>Commento [FC13]:</b> The attribute "Action to be taken" is an (O)ptional alphanumeric field containing 350 characters at most.
Arrival rejection reason		O	an..350						<b>Commento [FC14]:</b> The "FUNCTIONAL ERROR" 'data group' part
Arrival rejection reason LNG		O	a2	CL012	TR0099				<b>Commento [FC15]:</b> Codelist CL049 applies to this attribute
---FUNCTIONAL ERROR									<b>Commento [FC16]:</b> This attribute is (O)ptional
Error type		R	n2	CL049					
Error pointer		R	an..210						
Error reason		O	an..6						
Original attribute value		O	an..140						