

**3GPP TSG CN Plenary
Meeting #11, Palm Springs, U.S.A
14th - 16th March 2001**

Tdoc NP-010115

Source: TSG CN WG1
Title: CRs to Phase 2 on Work Item TEI
Agenda item: 7.6
Document for: APPROVAL

Introduction:

This document contains 6 CRs on **Phase 2** Work Item "TEI", that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #11 for approval.

Spec	CR	Re	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
04.08	A1065		N1-010103	Ph 2	Lengh of User-user IEt	F	4.23.1
04.08	A1067		N1-010104	R96	Lengh of User-user IEt	A	5.18.1
04.08	A1069		N1-010105	R97	Lengh of User-user IEt	A	6.13.0
04.08	A1071		N1-010106	R98	Lengh of User-user IEt	A	7.10.0
24.008	332		N1-010056	R99	Lengh of User-user IEt	A	3.6.0
24.008	333		N1-010057	Rel-4	Lengh of User-user IEt	A	4.1.1

CR-Form-v3

CHANGE REQUEST

⌘ **24.008 CR 332** ⌘ rev **-** ⌘ Current version: **3.6.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI	Date:	⌘ 08.01.2001
Category:	⌘ F	Release:	⌘ R99
	<i>Use one of the following categories:</i> F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.		

Reason for change: ⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.

Summary of change: ⌘

Consequences if not approved: ⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected: ⌘ 9.3.31

Other specs affected: ⌘ Other core specifications ⌘ Test specifications
 O&M Specifications

Other comments: ⌘

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in 3GPP TS 24.010.

See table 9.78/3GPP TS 24.008.

Message type: USER INFORMATION

Significance: access

Direction: both

Table 9.78/3GPP TS 24.008: USER INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	32-1304
A0	More data	More data 10.5.4.19	O	T	1

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.

10.5.4.25 User-user

The purpose of the user-user information element is to convey information between the mobile station and the remote ISDN user.

The user-user information element is coded as shown in figure 10.5.114/3GPP TS 24.008 and table 10.5.131/ 3GPP TS 24.008. There are no restrictions on the content of the user-user information field.

The user-user is a type 4 information element with a minimum length of 3 octets and a maximum length of either 35 or 131 octets. In the SETUP message the user-user information element has a maximum size of 35 octets in a GSM PLMN. In the USER INFORMATION, ALERTING, CONNECT, DISCONNECT, PROGRESS, RELEASE and RELEASE COMPLETE messages the user-user information element has a maximum size of 131 octets in a GSM PLMN.

In other networks than GSM PLMNs the maximum size of the user-user information element is 35 or 131 octets in the messages mentioned above. The evolution to a single maximum value is the long term objective; the exact maximum value is the subject of further study.

NOTE: The user-user information element is transported transparently through a GSM PLMN.

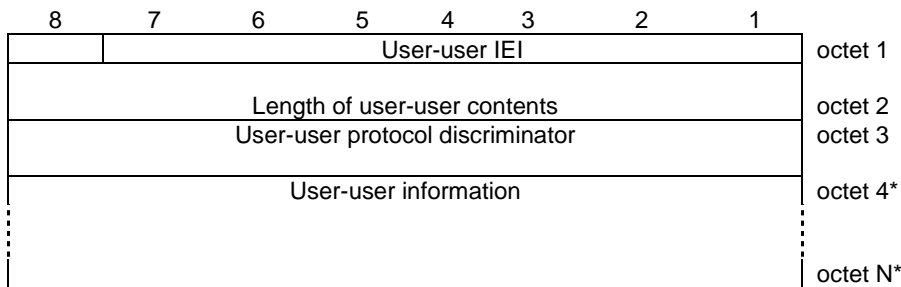


Figure 10.5.114/3GPP TS 24.008 User-user information element

Table 10.5.131/3GPP TS 24.008: User-user information element

User-user protocol discriminator (octet 3)								
Bits								
8	7	6	5	4	3	2	1	
0	0	0	0	0	0	0	0	User specific protocol (Note 1)
0	0	0	0	0	0	0	1	OSI high layer protocols
0	0	0	0	0	0	1	0	X.244 (Note 2)
0	0	0	0	0	0	1	1	Reserved for system management convergence function
0	0	0	0	0	1	0	0	IA5 characters (Note 3)
0	0	0	0	0	1	1	1	Rec.V.120 rate adaption
0	0	0	0	1	0	0	0	Q.931 (I.451) user-network call control messages
0	0	0	1	0	0	0	0	Reserved for other network layer or layer 3 protocols including Rec.X.25 (Note 4)
0	0	1	1	1	1	1	1	
0	1	0	0	0	0	0	0	National use
1	1	0	0	1	1	1	1	
0	1	0	1	0	0	0	0	Reserved for other network layer or layer 3 protocols including Rec.X.25 (Note 4)
1	1	1	1	1	1	1	0	

All other values are reserved.

Note 1: The user information is structured according to user needs.

Note 2: The user information is structured according to Rec.X.244 which specifies the structure of X.25 call user data.

Note 3: The user information consists of IA5 characters.

Note 4: These values are reserved to discriminate these protocol discriminators from the first octet of a X.25 packet including general format identifier.

CR-Form-v3
CHANGE REQUEST
⌘ 24.008 CR 333 ⌘ rev - ⌘ Current version: 4.1.1 ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI Date: ⌘ 08.01.2001		
Category:	⌘ A Release: ⌘ R4		
Use <u>one</u> of the following categories: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) </td> <td style="width: 50%; vertical-align: top;"> Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) </td> </tr> </table> Detailed explanations of the above categories can be found in 3GPP TR 21.900.		F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)
F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)		

Reason for change:	⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.
Summary of change:	⌘
Consequences if not approved:	⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected:	⌘ 9.3.31
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in TS 24.010.

See table 9.78/TS 24.008.

Message type: USER INFORMATION

Significance: access

Direction: both

Table 9.78/TS 24.008: USER INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	32-1304
A0	More data	More data 10.5.4.19	O	T	1

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.

CHANGE REQUEST

⌘ **04.08 CR A1065** ⌘ rev **-** ⌘ Current version: **4.23.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI	Date:	⌘ 08.01.2001
Category:	⌘ F	Release:	⌘ 2
	<i>Use one of the following categories:</i> F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.		

Reason for change:	⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.
Summary of change:	⌘
Consequences if not approved:	⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected:	⌘ 9.3.31	
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘
Other comments:	⌘	

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in GSM 04.10.

See table 9.78/GSM 04.08.

Message type: USER INFORMATION

Significance:access

Direction:both

IEI	Information element	Type / Reference	Presence	Format	length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	½
	Transaction identifier	Transaction identifier 10.3.2	M	V	½
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	2 -130
A0	More data	More data 10.5.4.19	O	T	1

**Table 9.78/GSM 04.08
USER INFORMATION message content**

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.

10.5.4.25 User-user

The purpose of the user-user information element is to convey information between the mobile station and the remote ISDN user.

The user-user information element is coded as shown in figure 10.92/GSM 04.08 and table 10.93/GSM 04.08. There are no restrictions on the content of the user-user information field.

The user-user is a type 4 information element with a minimum length of 3 octets and a maximum length of either 35 or 131 octets. In the SETUP, ALERTING, CONNECT, DISCONNECT, RELEASE and RELEASE COMPLETE messages, the user-user information element has a maximum size of 35 octets in a GSM PLMN. In USER INFORMATION messages the user-user information element has a maximum size of 131 octets in a GSM PLMN.

In other networks than GSM PLMNs the maximum size of the user-user information element is 35 or 131 octets in the messages mentioned above. The evolution to a single maximum value is the long term objective; the exact maximum value is the subject of further study.

NOTE: The user-user information element is transported transparently through a GSM PLMN.

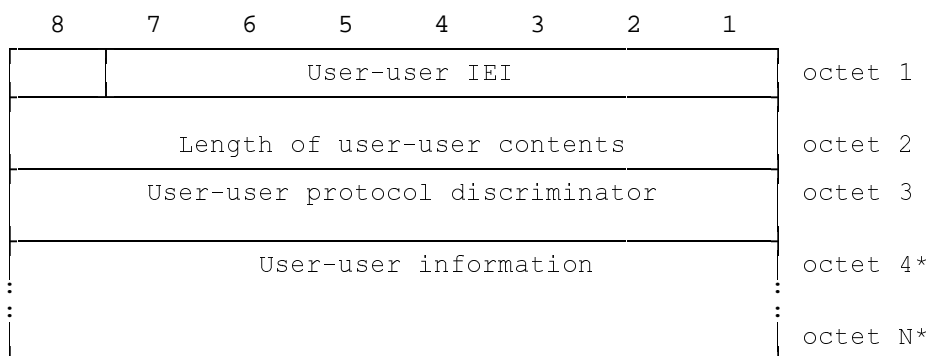


FIGURE 10.92/GSM 04.08
User-user information element

User-user protocol discriminator (octet 3)								
Bits								
8	7	6	5	4	3	2	1	
0	0	0	0	0	0	0	0	User specific protocol (Note 1)
0	0	0	0	0	0	0	1	OSI high layer protocols
0	0	0	0	0	0	1	0	X.244 (Note 2)
0	0	0	0	0	0	1	1	Reserved for system management convergence function
0	0	0	0	0	1	0	0	IA5 characters (Note 3)
0	0	0	0	0	1	1	1	Rec.V.120 rate adaption
0	0	0	0	1	0	0	0	Q.931 (I.451) user-network call control messages
0	0	0	1	0	0	0	0	Reserved for other network layer or layer 3 protocols including Rec.X.25 (Note 4)
0	0	1	1	1	1	1	1	
0	1	0	0	0	0	0	0	National use
0	1	0	0	1	1	1	1	
0	1	0	1	0	0	0	0	Reserved for other network layer or layer 3 protocols including Rec.X.25 (Note 4)
1	1	1	1	1	1	1	0	

All other values are reserved

Note 1: The user information is structured according to user needs.

Note 2: The user information is structured according to Rec.X.244 which specifies the structure of X.25 call user data.

Note 3: The user information consists of IA5 characters.

Note 4: These values are reserved to discriminate these protocol discriminators from the first octet of a X.25 packet including general format identifier.

**Table 10.93/GSM 04.08
User-user information element**

CHANGE REQUEST

⌘ **04.08 CR A1067** ⌘ rev **-** ⌘ Current version: **5.18.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI	Date:	⌘ 08.01.2001
Category:	⌘ A	Release:	⌘ R96
<p><i>Use one of the following categories:</i></p> <p>F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>		<p><i>Use one of the following releases:</i></p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>	

Reason for change:	⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.
Summary of change:	⌘
Consequences if not approved:	⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected:	⌘ 9.3.31	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘
	<input type="checkbox"/> Test specifications	
	<input type="checkbox"/> O&M Specifications	
Other comments:	⌘	

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in GSM 04.10.

See table 9.78/GSM 04.08.

Message type: USER INFORMATION

Significance: access

Direction: both

Table 9.78/GSM 04.08: USER INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	32-130
A0	More data	More data 10.5.4.19	O	T	1

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.

CR-Form-v3
CHANGE REQUEST
⌘ 04.08 CR A1069 ⌘ rev - ⌘ Current version: 6.13.0 ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI Date: ⌘ 08.01.2001		
Category:	⌘ A Release: ⌘ R97		
Use <u>one</u> of the following categories: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) </td> <td style="width: 50%; vertical-align: top;"> Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) </td> </tr> </table> Detailed explanations of the above categories can be found in 3GPP TR 21.900.		F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)
F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)	Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)		

Reason for change:	⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.
Summary of change:	⌘
Consequences if not approved:	⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected:	⌘ 9.3.31
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in GSM 04.10.

See table 9.78/GSM 04.08.

Message type: USER INFORMATION

Significance: access

Direction: both

Table 9.78/GSM 04.08: USER INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	23 -130
A0	More data	More data 10.5.4.19	O	T	1

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.

CR-Form-v3

CHANGE REQUEST

⌘ **04.08 CR A1071** ⌘ rev **-** ⌘ Current version: **7.10.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Length of User-user IE		
Source:	⌘ Siemens AG		
Work item code:	⌘ TEI	Date:	⌘ 08.01.2001
Category:	⌘ A	Release:	⌘ R98
<p>Use <u>one</u> of the following categories:</p> <p>F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>		<p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>	

Reason for change:	⌘ As the user-user IE is defined as a mandatory IE(LV) in the User information message, the IEI is omitted and the length must be in the range of 2-130 instead of 3-131.
Summary of change:	⌘
Consequences if not approved:	⌘ Risk of wrong implementations and in consequence potential wrong error handling behaviour on the network side.

Clauses affected:	⌘ 9.3.31	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘
	<input type="checkbox"/> Test specifications	
	<input type="checkbox"/> O&M Specifications	
Other comments:	⌘	

9.3.31 User information

This message is sent by the mobile station to the network to transfer information to the remote user. This message is also sent by the network to the mobile station to deliver information transferred from the remote user. This message is used if the user-to-user transfer is part of an allowed information transfer as defined in GSM 04.10.

See table 9.78/GSM 04.08.

Message type: USER INFORMATION

Significance: access

Direction: both

Table 9.78/GSM 04.08: USER INFORMATION message content

IEI	Information element	Type / Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	User Information message type	Message type 10.4	M	V	1
	User-user	User-user 10.5.4.25	M	LV	32-130
A0	More data	More data 10.5.4.19	O	T	1

9.3.31.1 User-user

Some networks may only support a maximum length of 35 octets. Procedures for interworking are not currently defined and are for further study.

9.3.31.2 More data

The information element is included by the sending user to indicate that another USER INFORMATION message pertaining to the same message block will follow.