

Source: TSG CN WG 1
Title: CR to R99 (with respective mirror CRs) on Work Item GPRS towards 24.008
Agenda item: 7.12
Document for: APPROVAL

Introduction:

This document contains **6 CRs on R99 (with mirror CRs) to Work Item "GPRS"**, that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #13 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Version-Current	Workitem
24.008	455		N1-011221	R99	Correction of Protocol configuration options	F	3.8.0	GPRS
24.008	456		N1-011222	Rel-4	Correction of Protocol configuration options	A	4.3.0	GPRS
24.008	457		N1-011223	Rel-5	Correction of Protocol configuration options	A	5.0.0	GPRS
24.008	442	1	N1-011298	R99	Old RAI handling	F	3.8.0	GPRS
24.008	443	1	N1-011299	Rel-4	Old RAI handling	A	4.3.0	GPRS
24.008	444	1	N1-011300	Rel-5	Old RAI handling	A	5.0.0	GPRS

CHANGE REQUEST

⌘ **24.008 CR 442** ⌘ ev **1** ⌘ Current version: **3.8.0** ⌘

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:	⌘ Old RAI handling		
Source:	⌘ NTT Software		
Work item code:	⌘ GPRS	Date:	⌘ 30/Aug/01
Category:	⌘ F	Release:	⌘ R99
Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:	
F (correction)		2 (GSM Phase 2)	
A (corresponds to a correction in an earlier release)		R96 (Release 1996)	
B (addition of feature),		R97 (Release 1997)	
C (functional modification of feature)		R98 (Release 1998)	
D (editorial modification)		R99 (Release 1999)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change:	⌘ Old RAI should be regarded as invalid when the MS receives the GMM message containing a new P-TMSI.
Summary of change:	⌘ See the reason for change.
Consequences if not approved:	⌘ Old RAI is still regarded as valid.

Clauses affected:	⌘ 4.7.1.5.2
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> O&M Specifications
Other comments:	⌘

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.7.1.5.2 PTMSI handling in UMTS

If a new P-TMSI is assigned by the network the MS and the network shall handle the old and the new P-TMSI as follows:

- Upon receipt of a GMM message containing a new P-TMSI the MS shall consider the new P-TMSI and new RAI as valid. Old P-TMSI, **old RAI** and P-TMSI signature are regarded as invalid.
- The network shall consider the old P-TMSI and old RAI as invalid as soon as an acknowledge message (e.g. ATTACH COMPLETE, ROUTING AREA UPDATE COMPLETE and P-TMSI REALLOCATION COMPLETE) is received.

CR-Form-v4

CHANGE REQUEST

⌘ **24.008 CR 443** ⌘ ev **1** ⌘ Current version: **4.3.0** ⌘

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:	⌘ Old RAI handling		
Source:	⌘ NTT Software		
Work item code:	⌘ GPRS	Date:	⌘ 30/Aug/01
Category:	⌘ A	Release:	⌘ REL-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘ Old RAI should be regarded as invalid when the MS receives the GMM message containing a new P-TMSI.		
Summary of change:	⌘ See the reason for change.		
Consequences if not approved:	⌘ Old RAI is still regarded as valid.		

Clauses affected:	⌘ 4.7.1.5.2		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘	
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘ This CR is mirror of N1-011298.		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.7.1.5.2 PTMSI handling in UMTS

If a new P-TMSI is assigned by the network the MS and the network shall handle the old and the new P-TMSI as follows:

Upon receipt of a GMM message containing a new P-TMSI the MS shall consider the new P-TMSI and new RAI as valid. Old P-TMSI, old RAI and P-TMSI signature are regarded as invalid.

The network shall consider the old P-TMSI and old RAI as invalid as soon as an acknowledge message (e.g. ATTACH COMPLETE, ROUTING AREA UPDATE COMPLETE and P-TMSI REALLOCATION COMPLETE) is received.

CHANGE REQUEST

⌘ **24.008 CR 444** ⌘ ev **1** ⌘ Current version: **5.0.0** ⌘

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:	⌘ Old RAI handling		
Source:	⌘ NTT Software		
Work item code:	⌘ GPRS	Date:	⌘ 30/Aug/01
Category:	⌘ A	Release:	⌘ REL-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		REL-4 (Release 4)
			REL-5 (Release 5)

Reason for change:	⌘ Old RAI should be regarded as invalid when the MS receives the GMM message containing a new P-TMSI.
Summary of change:	⌘ See the reason for change.
Consequences if not approved:	⌘ Old RAI is still regarded as valid.

Clauses affected:	⌘ 4.7.1.5.2		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘	
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘ This CR is mirror of N1-011298.		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.7.1.5.2 PTMSI handling in UMTS

If a new P-TMSI is assigned by the network the MS and the network shall handle the old and the new P-TMSI as follows:

Upon receipt of a GMM message containing a new P-TMSI the MS shall consider the new P-TMSI and new RAI as valid. Old P-TMSI, old RAI and P-TMSI signature are regarded as invalid.

The network shall consider the old P-TMSI and old RAI as invalid as soon as an acknowledge message (e.g. ATTACH COMPLETE, ROUTING AREA UPDATE COMPLETE and P-TMSI REALLOCATION COMPLETE) is received.

CR-Form-v4

CHANGE REQUEST

⌘ **24.008** **CR** **455** ⌘ ev **-** ⌘ Current version: **3.8.0** ⌘

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:	⌘ Correction of Protocol configuration options		
Source:	⌘ Siemens AG		
Work item code:	⌘ GPRS	Date:	⌘ 21.08.2001
Category:	⌘ F	Release:	⌘ R99
	<i>Use one of the following categories:</i> F (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:	⌘ Mis-Alignment of text and figure of the protocol configuration option in section 10.5.6.3. The text states: Each unit is of variable length and consists of a - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). The length of configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008 is missing.
Summary of change:	⌘ Addition of length field to configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008.
Consequences if not approved:	⌘ Mis-Alignment of text and figure which may lead to mis-interpretation of the standard.

Clauses affected:	⌘ 10.5.6.3		
Other specs affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘	
Other comments:	⌘		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

10.5.6.3 Protocol configuration options

The purpose of the *protocol configuration options* information element is to transfer external network protocol options associated with a PDP context activation.

The *protocol configuration options* is a type 4 information element with a minimum length of 2 octets and a maximum length of 253 octets.

The *protocol configuration options* information element is coded as shown in figure 10.5.136/3GPP TS 24.008 and table 10.5.154/3GPP TS 24.008.

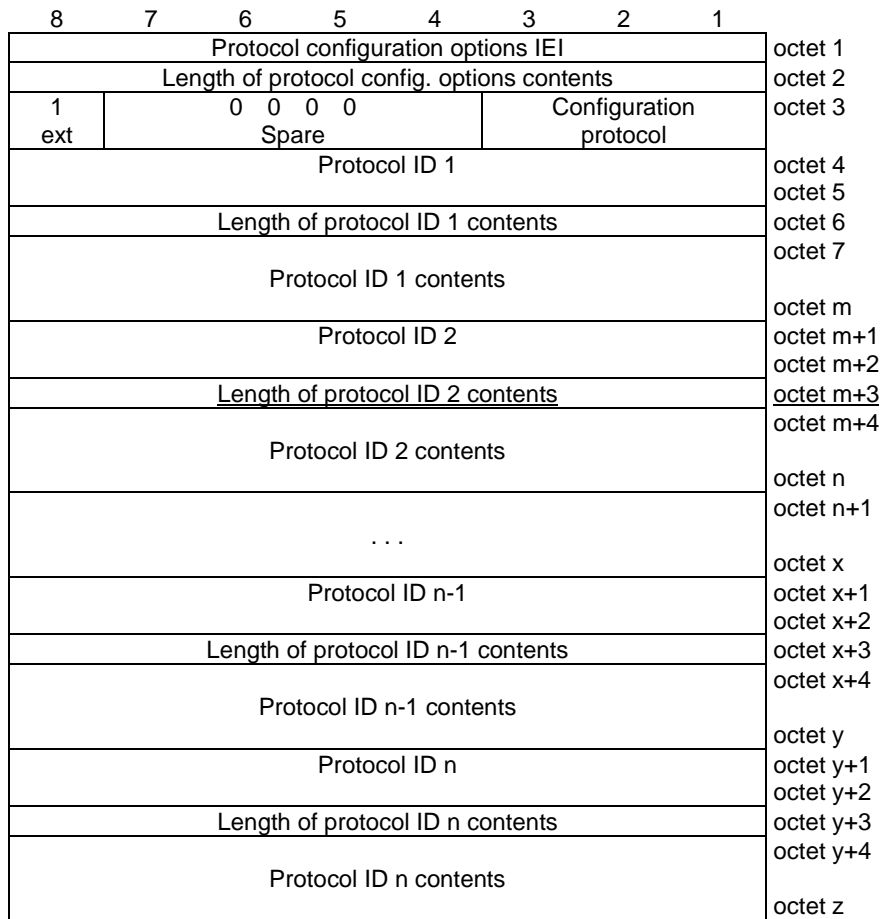


Figure 10.5.136/3GPP TS 24.008: *Protocol configuration options* information element

Table 10.5.154/3GPP TS 24.008: *Protocol configuration options* information element

<p>Configuration protocol (octet 3)</p> <p>Bits 3 2 1 0 0 0 PPP for use with IP PDP type</p> <p>All other values are interpreted as PPP in this version of the protocol.</p> <p>Configuration protocol options list (octets 4 to z)</p> <p>The <i>configuration protocol options list</i> contains a variable number of logical units, the may occur in an arbitrary order within the <i>configuration protocol options list</i>.</p> <p>Each unit is of variable length and consists of a</p> <ul style="list-style-type: none"> - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). <p>The <i>protocol identifier</i> field contains the hexadecimal coding of the configuration protocol identifier. Bit 8 of the first octet of the <i>protocol identifier</i> field contains the most significant bit and bit 1 of the second octet of the <i>protocol identifier</i> field contains the least significant bit.</p> <p>If the <i>configuration protocol options list</i> contains a protocol identifier that is not supported by the receiving entity the corresponding unit shall be discarded.</p> <p>The <i>length of the protocol identifier contents</i> field contains the binary coded representation of the length of the <i>protocol identifier contents</i> field of a unit. The first bit in transmission order is the most significant bit.</p> <p>The <i>protocol identifier contents</i> field of each unit contains information specific to the configuration protocol specified by the <i>protocol identifier</i>.</p> <p>PPP</p> <p>At least the following protocol identifiers (as defined in RFC 1700) shall be supported in this version of the protocol:</p> <ul style="list-style-type: none"> - C021H (LCP); - C023H (PAP); - C223H (CHAP);and - 8021H (IPCP). <p>The support of other protocol identifiers is implementation dependent and outside the scope of the present document.</p> <p>The <i>protocol identifier contents</i> field of each unit corresponds to a 'Packet' as defined in RFC 1661 that is stripped off the 'Protocol' and the 'Padding' octets.</p> <p>The detailed coding of the <i>protocol identifier contents</i> field is specified in the RFC that is associated with the protocol identifier of that unit.</p>
--

CR-Form-v4

CHANGE REQUEST

⌘ **24.008** **CR** **456** ⌘ ev **-** ⌘ Current version: **4.3.0** ⌘

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:	⌘ Correction of Protocol configuration options		
Source:	⌘ Siemens AG		
Work item code:	⌘ GPRS	Date:	⌘ 21.08.2001
Category:	⌘ A	Release:	⌘ REL-4
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	<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)	

Reason for change:	⌘ Mis-Alignment of text and figure of the protocol configuration option in section 10.5.6.3. The text states: Each unit is of variable length and consists of a - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). The length of configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008 is missing.
Summary of change:	⌘ Addition of length field to configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008.
Consequences if not approved:	⌘ Mis-Alignment of text and figure which may lead to mis-interpretation of the standard.

Clauses affected:	⌘ 10.5.6.3
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> O&M Specifications ⌘ <input type="checkbox"/>
Other comments:	⌘ <input type="text"/>

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

10.5.6.3 Protocol configuration options

The purpose of the *protocol configuration options* information element is to transfer external network protocol options associated with a PDP context activation.

The *protocol configuration options* is a type 4 information element with a minimum length of 2 octets and a maximum length of 253 octets.

The *protocol configuration options* information element is coded as shown in figure 10.5.136/3GPP TS 24.008 and table 10.5.154/3GPP TS 24.008.

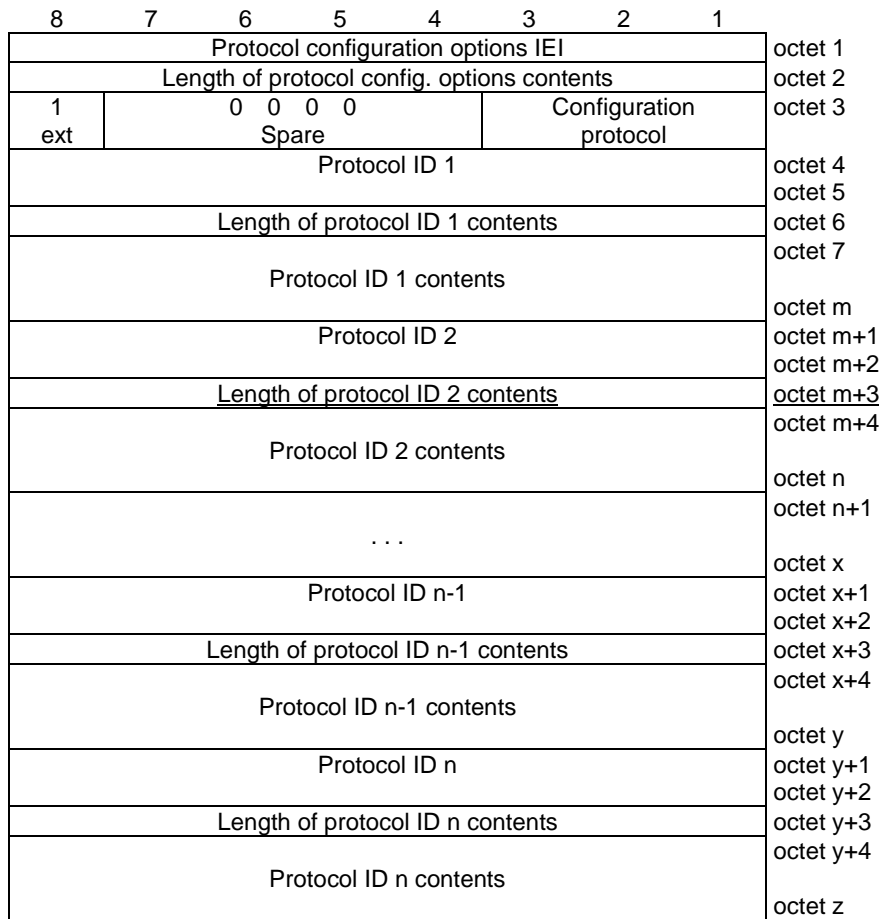


Figure 10.5.136/3GPP TS 24.008: *Protocol configuration options* information element

Table 10.5.154/3GPP TS 24.008: Protocol configuration options information element

<p>Configuration protocol (octet 3)</p> <p>Bits 3 2 1 0 0 0 PPP for use with IP PDP type</p> <p>All other values are interpreted as PPP in this version of the protocol.</p> <p>Configuration protocol options list (octets 4 to z)</p> <p>The <i>configuration protocol options list</i> contains a variable number of logical units, the may occur in an arbitrary order within the <i>configuration protocol options list</i>.</p> <p>Each unit is of variable length and consists of a</p> <ul style="list-style-type: none"> - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). <p>The <i>protocol identifier</i> field contains the hexadecimal coding of the configuration protocol identifier. Bit 8 of the first octet of the <i>protocol identifier</i> field contains the most significant bit and bit 1 of the second octet of the <i>protocol identifier</i> field contains the least significant bit.</p> <p>If the <i>configuration protocol options list</i> contains a protocol identifier that is not supported by the receiving entity the corresponding unit shall be discarded.</p> <p>The <i>length of the protocol identifier contents</i> field contains the binary coded representation of the length of the <i>protocol identifier contents</i> field of a unit. The first bit in transmission order is the most significant bit.</p> <p>The <i>protocol identifier contents</i> field of each unit contains information specific to the configuration protocol specified by the <i>protocol identifier</i>.</p> <p>PPP</p> <p>At least the following protocol identifiers (as defined in RFC 1700) shall be supported in this version of the protocol:</p> <ul style="list-style-type: none"> - C021H (LCP); - C023H (PAP); - C223H (CHAP);and - 8021H (IPCP). <p>The support of other protocol identifiers is implementation dependent and outside the scope of the present document.</p> <p>The <i>protocol identifier contents</i> field of each unit corresponds to a 'Packet' as defined in RFC 1661 that is stripped off the 'Protocol' and the 'Padding' octets.</p> <p>The detailed coding of the <i>protocol identifier contents</i> field is specified in the RFC that is associated with the protocol identifier of that unit.</p>
--

CR-Form-v4

CHANGE REQUEST

⌘ **24.008** **CR** **457** ⌘ ev **-** ⌘ Current version: **5.0.0** ⌘

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:	⌘ Correction of Protocol configuration options		
Source:	⌘ Siemens AG		
Work item code:	⌘ GPRS	Date:	⌘ 21.08.2001
Category:	⌘ A	Release:	⌘ REL-5
	<i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	<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)	

Reason for change:	⌘ Mis-Alignment of text and figure of the protocol configuration option in section 10.5.6.3. The text states: Each unit is of variable length and consists of a - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). The length of configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008 is missing.
Summary of change:	⌘ Addition of length field to configuration protocol 2 in Figure 10.5.136/3GPP TS 24.008.
Consequences if not approved:	⌘ Mis-Alignment of text and figure which may lead to mis-interpretation of the standard.

Clauses affected:	⌘ 10.5.6.3
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> O&M Specifications ⌘ <input type="checkbox"/>
Other comments:	⌘ <input type="text"/>

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

10.5.6.3 Protocol configuration options

The purpose of the *protocol configuration options* information element is to transfer external network protocol options associated with a PDP context activation.

The *protocol configuration options* is a type 4 information element with a minimum length of 2 octets and a maximum length of 253 octets.

The *protocol configuration options* information element is coded as shown in figure 10.5.136/3GPP TS 24.008 and table 10.5.154/3GPP TS 24.008.

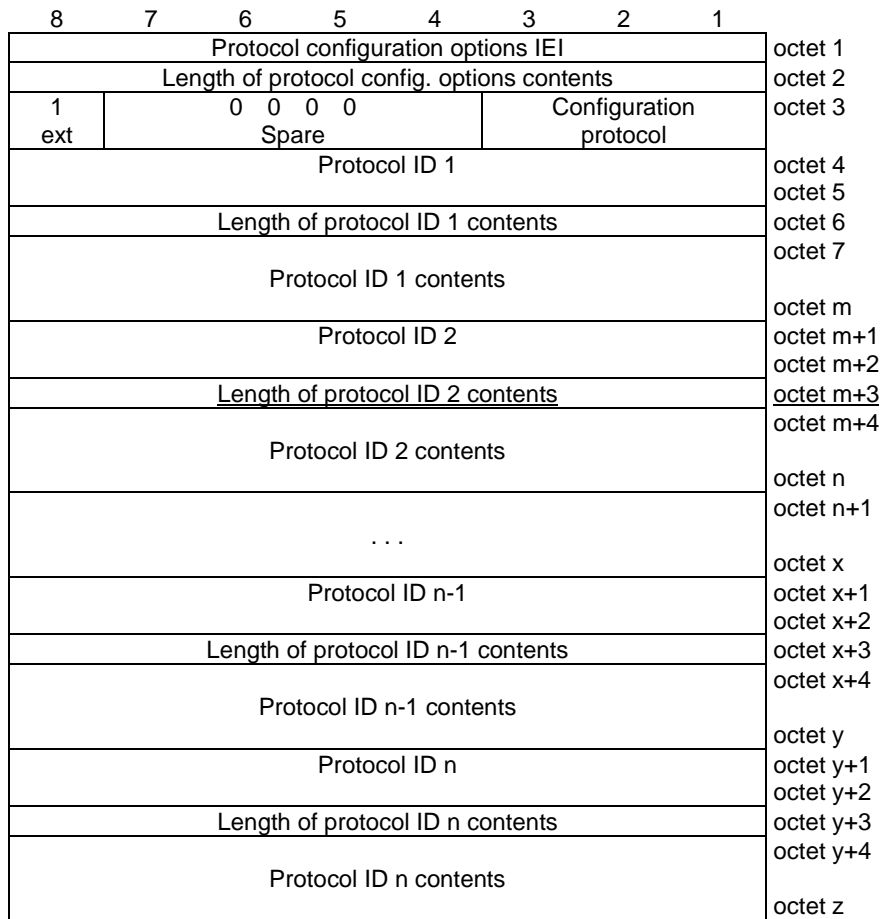


Figure 10.5.136/3GPP TS 24.008: *Protocol configuration options* information element

Table 10.5.154/3GPP TS 24.008: *Protocol configuration options* information element

<p>Configuration protocol (octet 3)</p> <p>Bits 3 2 1 0 0 0 PPP for use with IP PDP type</p> <p>All other values are interpreted as PPP in this version of the protocol.</p> <p>Configuration protocol options list (octets 4 to z)</p> <p>The <i>configuration protocol options list</i> contains a variable number of logical units, the may occur in an arbitrary order within the <i>configuration protocol options list</i>.</p> <p>Each unit is of variable length and consists of a</p> <ul style="list-style-type: none"> - protocol identifier (2 octets); - the length of the protocol identifier contents of the unit (1 octet); and - the protocol identifier contents itself (n octets). <p>The <i>protocol identifier</i> field contains the hexadecimal coding of the configuration protocol identifier. Bit 8 of the first octet of the <i>protocol identifier</i> field contains the most significant bit and bit 1 of the second octet of the <i>protocol identifier</i> field contains the least significant bit.</p> <p>If the <i>configuration protocol options list</i> contains a protocol identifier that is not supported by the receiving entity the corresponding unit shall be discarded.</p> <p>The <i>length of the protocol identifier contents</i> field contains the binary coded representation of the length of the <i>protocol identifier contents</i> field of a unit. The first bit in transmission order is the most significant bit.</p> <p>The <i>protocol identifier contents</i> field of each unit contains information specific to the configuration protocol specified by the <i>protocol identifier</i>.</p> <p>PPP</p> <p>At least the following protocol identifiers (as defined in RFC 1700) shall be supported in this version of the protocol:</p> <ul style="list-style-type: none"> - C021H (LCP); - C023H (PAP); - C223H (CHAP);and - 8021H (IPCP). <p>The support of other protocol identifiers is implementation dependent and outside the scope of the present document.</p> <p>The <i>protocol identifier contents</i> field of each unit corresponds to a 'Packet' as defined in RFC 1661 that is stripped off the 'Protocol' and the 'Padding' octets.</p> <p>The detailed coding of the <i>protocol identifier contents</i> field is specified in the RFC that is associated with the protocol identifier of that unit.</p>
--