Source: SA1

Title: CRs to 22.078 R99/Rel-4/Rel5 on removal of handling of e-parameters provided by the SCP

Document for: Approval

Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020044	22.078	136		R99	F	CR to 22.078 on removal of handling of e-parameters provided by the SCP	3.8.0	3.9.0	S1-020627
SP-020044	22.078	137		Rel-4	A	CR to 22.078 on removal of handling of e-parameters provided by the SCP	4.4.0	4.5.0	S1-020628
SP-020044	22.078	138		Rel-5	A	CR to 22.078 on removal of handling of e-parameters provided by the SCP	5.5.0	5.6.0	S1-020629

CR-Form-v4

CHANGE REQUEST

| ⌘ | **22.078** CR | **136** | ⌘ rev | ⌘ | 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 **X**

Title:	⌘	Handling of e-parameters provided by the CAMEL Service Environment for CAMEL/GPRS interworking.
Source:	⌘	SA1
Work item code: ⌘	CAMEL3	*Date:* ⌘ 14 February 2002

Category: ⌘ **F** essential correction	*Release:* ⌘ REL-99
Use <u>one</u> of the following categories: *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 <u>TR 21.900</u>.	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:	⌘	CAMEL phase 3 currently carries a requirement for CSE supplied Advice of Charge (AoC) parameters to the SGSN for CAMEL/GPRS interworking. AoC is not supported in GPRS Release 99, Release 4 or Release 5. As part of CAMEL Phase 3 however, CN2 have completed the CAMEL specific work to support AoC parameters received from a CSE in a view of making the CAMEL specific part of the SGSN ready to process the AoC information when received form the CSE . In order to avoid uncessary work in CN2 to remove the support of this feature, a health warning is required to indicate that support of AoC in GPRS is not avaialble in R99.
Summary of change: ⌘		Addition of a note that states that the Advice of Charge supplementary service is not available in Release 99. If the CSE does send AOC information elements to an SGSN that does not support this supplementary service, it may ignore these parameters.
Consequences if not approved:	⌘	Extensive work for TSG CN2 in order to change the CAMEL Phase 3 (stage 2 and Stage 3) documents.

Clauses affected:	⌘	10.13.1
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

> **— First modified section —**

10.13 Charging Procedures

The CSE can perform the following charging activities:

10.13.1 Advice of Charge

The CSE may send Charge Advice Information (CAI) elements to the SGSN.

NOTE: Support of Advice of Charge within GPRS is not supported in Release 99. If the CSE sends CAI elements to an SGSN that does not support the Advice of Charge supplementary service, the CAI elements shall be ignored by the SGSN.

10.13.2 Inclusion of Free Format data in CDR

The CSE may send free format data to the SGSN, for inclusion in a CDR. The CSE shall specify the GPRS session or PDP Context for which the free format data is destined.

When sending the free format data to the VPLMN, the CSE may instruct the VPLMN to

- Overwrite the existing free format data for that GPRS session or PDP Context, or

- Append the newly received free format data to the existing free format data.

10.13.3 Specify a threshold for transmitted data or used time

See section 10.7.

10.13.4 Request notification of change in Quality of Service

The CSE may request the VPLMN to notify the CSE when a change in Quality of Service has occurred for a PDP Context.

> **— End of Document —**

CR-Form-v4

CHANGE REQUEST

| ⌘ | **22.078** CR | **138** | ⌘ rev | ⌘ | Current version: | **5.5.0** | ⌘ |

*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 **X**

Title: ⌘	Handling of e-parameters provided by the CAMEL Service Environment for CAMEL/GPRS interworking.	
Source: ⌘	SA1	
Work item code: ⌘	CAMEL3	***Date:*** ⌘ 14 February 2002
Category: ⌘ **A** essential correction	***Release:*** ⌘ REL-5

Use *one* of the following categories:
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.

Use *one* 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: ⌘	CAMEL phase 3 currently carries a requirement for CSE supplied Advice of Charge (AoC) parameters to the SGSN for CAMEL/GPRS interworking. AoC is not supported in GPRS Release 99, Release 4 or Release 5. As part of CAMEL Phase 3 however, CN2 have completed the CAMEL specific work to support AoC parameters received from a CSE in a view of making the CAMEL specific part of the SGSN ready to process the AoC information when received form the CSE . In order to avoid uncessary work in CN2 to remove the support of this feature, a health warning is required to indicate that support of AoC in GPRS is not avaialble in R99.
Summary of change: ⌘	Addition of a note that states that the Advice of Charge supplementary service is not available in Release 5 or previous releases. If the CSE does send AOC information elements to an SGSN that does not support this supplementary service, it may ignore these parameters.
Consequences if not approved: ⌘	Extensive work for TSG CN2 in order to change the CAMEL Phase 3 (stage 2 and Stage 3) documents.

Clauses affected: ⌘	10.13.1		
Other specs affected: ⌘	☐ Other core specifications	⌘	
	☐ Test specifications		
	☐ O&M Specifications		
Other comments: ⌘			

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When sending the free format data to the VPLMN, the CSE may instruct the VPLMN to

-   Overwrite the existing free format data for that GPRS session or PDP Context, or

-   Append the newly received free format data to the existing free format data.

10.13.3 Specify a threshold for transmitted data or used time

See section 10.7.

10.13.4 Request notification of change in Quality of Service

The CSE may request the VPLMN to notify the CSE when a change in Quality of Service has occurred for a PDP Context.

CHANGE REQUEST

| | ⌘ | **22.078** CR | **137** | ⌘ rev | | ⌘ Current version: | **4.4.0** | ⌘ |

*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 **X**

Title:	⌘	Handling of e-parameters provided by the CAMEL Service Environment for CAMEL/GPRS interworking.
Source:	⌘	SA1
Work item code: ⌘	CAMEL3	*Date:* ⌘ 14 February 2002

Category:	⌘ **A** essential correction	*Release:* ⌘ REL-4

Use <u>one</u> of the following categories:
   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 <u>TR 21.900</u>.

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:	⌘	CAMEL phase 3 currently carries a requirement for CSE supplied Advice of Charge (AoC) parameters to the SGSN for CAMEL/GPRS interworking. AoC is not supported in GPRS Release 99, Release 4 or Release 5. As part of CAMEL Phase 3 however, CN2 have completed the CAMEL specific work to support AoC parameters received from a CSE in a view of making the CAMEL specific part of the SGSN ready to process the AoC information when received form the CSE . In order to avoid uncessary work in CN2 to remove the support of this feature, a health warning is required to indicate that support of AoC in GPRS is not avaialble in R99.

Summary of change: ⌘		Addition of a note that states that the Advice of Charge supplementary service is not available in Release 4 previous releases. If the CSE does send AOC information elements to an SGSN that does not support this supplementary service, it may ignore these parameters.

Consequences if not approved:	⌘	Extensive work for TSG CN2 in order to change the CAMEL Phase 3 (stage 2 and Stage 3) documents.

Clauses affected:	⌘	10.13.1

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

Other comments:	⌘	

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See section 10.7.

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— **End of Document** —