Source:	**SA5 (Telecom Management)**
Title:	**2 Rel-5 CRs 32.235 (Charging data description for application services) : Corrections of inconsistencies in the "Charge information" field description**
Document for:	**Approval**
Agenda Item:	**7.5.3**

Doc-1st-	Spec	CR	R	Ph	Subject	Cat	Ver	Doc-2nd-	Workite
SP-030272	32.235	014	-	Rel-5	**Correction of inconsistencies in the "Charge information" field description**	F	5.2.0	S5-034255	OAM-CH

CR-Form-v7

CHANGE REQUEST

| ⌘ | **32.235** CR **014** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.2.0** | ⌘ |

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

Proposed change affects: UICC apps⌘ ☐   ME ☐   Radio Access Network ☐   Core Network **X**

Title:	⌘	Corrections of inconsistencies in the "Charge information" field description
Source:	⌘	S5 SWG-B

Work item code: ⌘	OAM-CH		*Date:* ⌘	08/04/2003

Category:	⌘	**F**		*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)
  Rel-6 (Release 6)

Reason for change: ⌘	Inconsistency in the "Charge information" parameter description: the CDR description and the parameter description contradict each other.

Summary of change: ⌘	Correction of the "charge information" field description in the 01S-CDR, F-CDR and MM7S-CDR tables with respect to the parameter description

Consequences if not approved:	⌘	The inconsistency of this parameter description could produce charging errors.

Clauses affected:	⌘	4.2.1, 4.2.3 and 4.2.5

		Y	**N**		
Other specs affected:	⌘		**X**	Other core specifications	⌘
			X	Test specifications	
			X	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/specs/CR.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.

Change in Clause 4.2.1

4.2.1   MMS records for originator MMS Relay/Server

4.2.1.1   Originator MM1 Submission CDR

Table 4.4: Originator MM1 Submission CDR (O1S-CDR)

Field	Category	Description
Record Type	M	Originator MM1 Submission record.
Originator MMS Relay/Server Address	M	.IP address or domain name of originator MMS Relay/Server.
Message ID	M	The MM identification provided by the originator MMS Relay/Server.
Reply-Charging ID	C	This field is present in the CDR only if the MM is a reply-MM to an original MM. The Reply-Charging ID is the Message ID of the original MM.
Originator address	M	The address of the originator MMS User Agent (i.e., of the MMS User Agent that has sent the MM1_submit.REQ).
Recipients address list	M	The address(es) of the recipient MMS User Agent(s) of the MM. Multiple addresses are possible if the MM is not a reply MM.
Access Correlation	M_o	A unique identifier delivered by the used access network domain of the originator MMS User Agent.
Content type	M	The content type of the MM content.
MM component list	M_o	The list of media components with volume size.
Message size	M	The total size of the MM content.
Message class	C_o	The class selection such as personal, advertisement, information service if specified in the MM1_submit_REQ.
Charge Information	M_o	The charged party indication and charge type.
Submission Time	C_o	The time at which the MM was submitted from the originator MMS User Agent if specified in the MM1_submit_REQ.
Time of Expiry	C_o	The desired date of expiry or duration of time prior to expiry for the MM if specified by the originator MMS User Agent.
Earliest Time Of Delivery	C	This field contains either the earliest time to deliver the MM or the number of seconds to wait before delivering the MM as specified by the originator MMS User Agent.
Duration Of Transmission	M_o	The time used for transmission of the MM between the User Agent and the MMS Relay/Server.
Request Status Code	M_o	The status code of the MM as received in the MM1_submit_REQ
Delivery Report Requested	M_o	This field indicates whether a delivery report has been requested by the originator MMS User Agent or not.
Reply Charging	C_o	A request for reply-charging if specified by the originator MMS User Agent.
Reply Deadline	C_o	In case of reply-charging the latest time of submission of replies granted to the recipient(s) as specified by the originator MMS User Agent.
Reply Charging Size	C_o	In case of reply-charging the maximum size for reply-MM(s) granted to the recipient(s) as specified by the originator MMS User Agent.
Priority	C_o	The priority (importance) of the message if specified by the originator MMS User Agent.
Sender visibility	M_o	A request to show or hide the sender's identity when the message is delivered to the recipient as specified by the originator MMS User Agent.
Read reply requested	M_o	A request for read reply report as specified in the MM1_submit.REQ.
Status Text	C_o	This field includes a more detailed technical status of the message at the point in time when the CDR is generated. This field is only present if the MM submission is rejected.
Record Time Stamp	M_o	Time of generation of the CDR.
Local Record Sequence Number	M_o	Consecutive record number created by this node. The number is allocated sequentially including all CDR types.
MMBox Storage Information	C_o	A set of parameters related to the MMBox management. This parameter is only present if the MMBox feature is supported by the MMS Relay/Server and storage of the MM was requested by originator MMS User Agent (i.e., of the MMS User Agent that has sent the MM1_submit.REQ).
Record extensions	C_o	A set of network/manufacturer specific extensions to the record. Conditioned upon the existence of an extension.

End of Change in Clause 4.2.1

Change in Clause 4.2.3

4.2.3   MMS records for forwarding MMS Relay/Server

4.2.3.1   Forwarding CDR

If enabled, a Forwarding Charging Data Record (F-CDR) shall be produced in the forwarding MMS Relay/Server on receipt of an MM1_forward.REQ if and when the forwarding MMS Relay/Server responds with an MM1_forward.RES indicating acceptance.

Table 4.23: MM Forwarding record (F-CDR)

Field	Category	Description
Record Type	M	MM Forwarding record.
Forwarding MMS Relay/Server Address	M	IP address or domain name of the forwarding MMS Relay/Server.
Message ID	M	The MM identification provided by the originator MMS Relay/Server.
Forwarding address	M	One or more addresses of the forwarding MMS User Agent (i.e., of the MMS User Agent that has sent the MM1_forward.REQ).
Recipients address list	M	The address(es) of the recipient MMS User Agent(s) of the forwarded MM. Multiple addresses are possible.
Charge Information	M_o	The charged party indication and charge type.
Time of Expiry	C_o	The desired date of expiry or duration of time prior to expiry for the MM if specified by the forwarding MMS User Agent.
Earliest Time Of Delivery	C_o	This field contains either the earliest time to deliver the MM or the number of seconds to wait before delivering the MM.
Delivery Report Requested	M_o	This field indicates whether a delivery report has been requested by the forwarding MMS User Agent or not.
Read reply requested	M_o	A request for read reply report as specified in the MM1_forward.REQ.
Message reference	M	A reference, e.g., URI, for the MM as specified in the MM1_forward.REQ.
MM Status Code	M_o	The status code of the MM at the time when the CDR is generated.
Status Text	M_o	This field includes a more detailed technical status of the message at the point in time when the CDR is generated.
Record Time Stamp	M_o	Time of generation of the CDR.
Local Record Sequence Number	M_o	Consecutive record number created by this node. The number is allocated sequentially including all CDR types.
MMBox Storage Information	C_o	A set of parameters related to the MMBox management. This parameter is only present if the MMBox feature is supported by the MMS Relay/Server and storage of the MM was requested by the forwarding MMS User Agent (i.e., of the MMS User Agent that has sent the MM1_forward.REQ).
Record extensions	C_o	A set of network/manufacturer specific extensions to the record. Conditioned upon the existence of an extension.

End of Change in Clause 4.2.3

Change in Clause 4.2.5

4.2.5   MMS records for MMS VAS applications

The following subclauses specify CDRs created in the originator MMS Relay/Server based on messages flowing over the MM7 reference point. Unless otherwise specified, the CDR parameters are copied from the corresponding MM7 message parameters as applicable.

4.2.5.1 MM7 Submission CDR (MM7S-CDR)

If enabled, an MM7 Submission Charging Data Record (MM7S-CDR) shall be produced in the originator MMS Relay/Server for each MM submitted in an MM7_submit.REQ by a VASP to the originator MMS Relay/Server if and when the originator MMS Relay/Server responds with an MM7_submit.RES. The operator can configure whether this CDR, if enabled, shall only be created for MM7_submit.RES indicating acceptance of the submitted MM, or also for the unsuccessful submissions.

Table 4.28: MM7 Submission CDR (MM7S-CDR)

Field	Category	Description
Record Type	M	MM7 Submission record.
Originator MMS Relay/Server Address	M	.IP address or domain name of originator MMS Relay/Server.
Linked ID	C	This field is present in the CDR only if the MM defines a correspondence to a previous message that was delivered by the MMS Relay/Server. The MM identification provided by the originator MMS Relay/Server.
VASP ID	M	Identifier of the VASP for this MMS Relay/Server
VAS ID	M	Identifier of the originating application.
Message ID	M	The MM identification provided by the originator MMS Relay/Server.
Originator Address	M	The address of the MM originator.
Recipients address list	M	The address(es) of the recipient MMS User Agent(s) of the MM. Multiple addresses are possible if the MM is not a reply MM.
Service code	C_o	Charging related information that is used directly for billing purposes
Content type	M	The content type of the MM content.
MM component list	M_o	The list of media components with volume size.
Message size	M	The total size of the MM content.
Message class	C_o	The class selection such as personal, advertisement, information service if specified in the MM7_submit_REQ.
Charge Information	M_o	The charged party indication and charge type.
Submission Time	C_o	The time at which the MM was submitted from the VASP if specified in the MM7_submit_REQ.
Time of Expiry	C_o	The desired date of expiry or duration of time prior to expiry for the MM if specified by the VASP
Earliest Time Of Delivery	C	This field contains either the earliest time to deliver the MM or the number of seconds to wait before delivering the MM if specified by the VASP
Delivery Report Requested	M_o	This field indicates whether a delivery report has been requested by the VASP or not.
Reply Charging	C_o	A request for reply-charging if specified by the VASP
Read reply requested	M_o	A request for read reply report as specified in the MM7_submit.REQ.
Reply Deadline	C_o	In case of reply-charging the latest time of submission of replies granted to the recipient(s) as specified by the VASP
Reply Charging Size	C_o	In case of reply-charging the maximum size for reply-MM(s) granted to the recipient(s) as specified by the VASP
Priority	C_o	The priority (importance) of the message if specified by the VASP
Message Distribution Indicator	C_o	This field is present if specified in the MM7_submit.REQ If set to "false" the VASP has indicated that content of the MM is not intended for redistribution. If set to "true" the VASP has indicated that content of the MM can be redistributed.
Request Status Code	M_o	The status code of the associated MM7_submit_REQ
Status Text	C_o	This field includes a more detailed technical status of the message at the point in time when the CDR is generated. This field is only present if the MM submission is rejected.
Record Time Stamp	M_o	Time of generation of the CDR.
Local Record Sequence Number	M_o	Consecutive record number created by this node. The number is allocated sequentially including all CDR types.
Record extensions	C_o	A set of network/manufacturer specific extensions to the record. Conditioned upon the existence of an extension.

End of Change in Clause 4.2.5
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