

3GPP TSG SA WG3 Security — S3#23

S3-020263

14 - 17 May 2002

Victoria, Canada

CR-Form-v3
<h2 style="margin: 0;">CHANGE REQUEST</h2> <p style="margin: 10px 0;">⌘ <b>33.107 CR Xxx</b> ⌘ rev <b>-</b> ⌘ Current version: <b>5.2.1</b> ⌘</p>

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

<b>Title:</b>	⌘ Addition of SMS type information		
<b>Source:</b>	⌘ Alcatel S.A. (laurent.perrine@alcatel.fr)		
<b>Work item code:</b>	⌘ Security	<b>Date:</b>	⌘ 2002-04-04
<b>Category:</b>	⌘ <b>B</b>	<b>Release:</b>	⌘ REL-5
	Use <u>one</u> of the following categories: <b>F</b> (essential correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (Addition of feature), <b>C</b> (Functional modification of feature) <b>D</b> (Editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.		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)

<b>Reason for change:</b>	⌘ The SMS initiator is not reported in SMS event for the CS-part. The SMS initiator is added in the SMS event to avoid that the DF2 needs to analyse the SMS content in order to provide the SMS-initiator parameter over HI2
<b>Summary of change:</b>	⌘ Add SMS initiator in SMS event for CS-part.
<b>Consequences if not approved:</b>	⌘ Inconsistency between 33.108 and 33.107 regarding SMS-initiator parameter

<b>Clauses affected:</b>	⌘ 6.3.2, 6.3.4.1, 7.4.7	
<b>Other specs Affected:</b>	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	
<b>Other comments:</b>	⌘	

\*\*\* *First Modification* \*\*\*

## 6.3.2 Structure of the events

**Table 1: Information Elements for Circuit Event records**

Observed MSISDN	Target Identifier with the MSISDN of the target subscriber (monitored subscriber).
Observed IMSI	Target Identifier with the IMSI of the target subscriber (monitored subscriber).
Observed IMEI	Target Identifier with the IMEI of the target subscriber (monitored subscriber), It shall be checked for each call over the radio interface
event type	Description which type of event is delivered: Establishment, Answer, Supplementary service, Handover, Release, SMS, Location update, Subscriber controlled input
event date	Date of the event generation in the 3G MSC Server
event time	Time of the event generation in the 3G MSC Server
dialled number	Dialled phone number before digit modification, IN-modification etc.
Connected number	Number of the answering party
other party address	Directory number of the other party for MOC Calling party for MTC
call direction	Information if the monitored subscriber is calling or called e.g. MOC/MTC or originating/ terminating In or/out
Correlation number	Unique number for each call sent to the DF, to help the LEA, to have a correlation between each Call and the IRI
Network Element Identifier	Unique identifier for the element reporting the ICE.
Location Information	Location information is the service area identity and/or location area identity that is present at the 3G MSC Server at the time of event record production
basic service	Information about Tele service or bearer service.
Supplementary service	Supplementary services used by the target e.g. CF, CW, ECT
Forwarded to number	Forwarded to number at CF
call release reason	Call release reason of the target call
<a href="#">SMS initiator</a>	
<a href="#">SMS indicator whether the SMS is MO, MT, or undefined</a>	
SMS Message	The SMS content with header which is sent with the SMS-service
Redirecting number	The number which invokes the call forwarding towards the target. This is provided if available.
SCI	Non call related Subscriber Controlled Input (SCI) which the 3G MSC Server receives from the ME

\*\*\* *Next Modification* \*\*\*

### 6.3.4 Non Call Related events

#### 6.3.4.1 SMS

For MO-SMS the event is generated in the 3G MSC Server, when the SMSC successfully receives the SMS; for MT-SMS the event is generated in the 3G MSC Server when the target receives the message. This information will be delivered to the DF2 if available:

Observed MSISDN
Observed IMSI
event type
event date
event time
Network Element Identifier
Location Information
<a href="#">SMS initiator</a>
SMS Message

\*\*\* *Next Modification* \*\*\*

#### 7.4.7 SMS

For MO-SMS the event is generated in the 3G SGSN. Dependent on national requirements, event generation shall occur either when the 3G SGSN receives the SMS from the target MS or when the 3G SGSN receives notification that the SMS-Centre successfully receives the SMS; for MT-SMS the event is generated in the 3G SGSN. Dependent on national requirements, event generation shall occur either when the 3G SGSN receives the SMS from the SMS-Centre or when the 3G SGSN receives notification that the target MS successfully received the message. This fields will be delivered to the DF2 if available:

Observed MSISDN
Observed IMSI
Observed IMEI
Event Type
Event Time
Event Date
Network Element Identifier
Location Information
SMS
Initiator <del>(optional)</del>
IAs (if applicable)