3GPP TSG-SA3 Meeting #29
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CR-Form-v7

CHANGE REQUEST

⌘ **33.108** **CR** **CRNum** ⌘**rev** **-** ⌘ Current version: **5.4.0** ⌘

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

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

Title:	⌘	Reference errors in Annex G
Source:	⌘	Lucent Technologies
Work item code:	⌘	Security
Date:	⌘	07/07/2003
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:	⌘	There are instances in Annex G of references to clauses that do not exist.
Summary of change:	⌘	The references have been changed to point to the correct clauses.
Consequences if not approved:	⌘	Possible incorrect implementation

Clauses affected:	⌘	G.2.1.2, G.2.1.2.1, G.2.1.2.3

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

Other comments: ⌘

G.2.1.2 Normal Procedures

Either the MF or LEMF may initiate the TCP connection. The case when the MF initiates the TCP connection is detailed in ~~A.3.2.1~~G.2.1.2.1.

G.2.1.2.1 Usage of TCP/IP when MF initiates TCP Connections

The MF shall initiate TCP connections to the LEMF for LI purposes. Once a TCP connection is established, the MF shall send the LI application messages defined in Section ~~A.3.3~~G.2.1.3. The MF shall not receive TCP data.

The "LI application" messages may be sent over a single TCP connection per LEMF. A TCP/IP connection shall be capable of transporting "LI application" messages for multiple surveillance cases to a single LEA. The MF initiates the establishment of TCP connections to the LEMF equipment designated by the LEA. Optionally, the MF may use more than one TCP connection per LEMF for the purpose of delivering "LI application" messages to minimize the effects of congestion or facility failures. For example, if more than one TCP connection was used "LI application" messages may be uniformly distributed across the connections. If delays are detected on one TCP connection, the MF could begin to transmit more messages on the other TCP connections. The number of TCP connections supported to the LEMF shall be less than or equal to the provisioned maximum number of such connections.

G.2.1.2.3 Sending of LI messages

After the TCP connection has been established, the MF shall send the "LI application" messages defined in Section ~~A.3.3~~G.2.1.3 to the LEMF, when applicable events have been detected and such messages are formulated.

The basic "LI application" message is called LawfulIntercept message. When sending IRI, a LawfulIntercept message shall be used and the IRI shall be encoded within the IRIContent parameter. Multiple IRIContent parameters may be included within a single LawfulIntercept message. When sending the optional keep-Alive indication, the LawfulIntercept shall be coded with the keep-Alive parameter.

In all cases, LawfulIntercept messages are only sent from the MF to the LEMF. All transfer of packets other than those operationally required to maintain the connection must be from the MF to the LEMF only. At no time may the LEMF equipment send unsolicited packets from the LEMF equipment to the MF.

If supported, a LawfulIntercept message including a keep-Alive parameter shall be sent when no LawfulIntercept message has been sent for a configurable amount of time in minutes (e.g., 5 minutes), indicating to the LEMF that the LI connection is still up. The keep-alive-time parameter shall be settable in increments of 1 minute, from 1 minute up to a maximum of 5 minutes, with a default value of 5 minutes.

The "LI application" messages shall be encapsulated using TPKT, as defined in Section ~~A.3.2.2~~G.2.1.2.2, before sending them from the MF to the LEMF using TCP/IP.