

8 - 11 October 2002

Munich, Germany

CHANGE REQUEST

⌘ **33.203** CR **CRNum** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

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

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

Title:	⌘ Correction of IP address acquisition in P-CSCF		
Source:	⌘ Nokia		
Work item code:	⌘ IMS-ASEC	Date:	⌘ 10/10/2002
Category:	⌘ F	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) Rel-6 (Release 6)

Reason for change:	⌘ It is improper to utilize Contact header according to SIP grammar. The contact address is used for terminated call delivery and may contain the address of any device other than the UE's.
Summary of change:	⌘ The Via header, in particular the 'sent-by' field in Via header should be used to obtain the information.
Consequences if not approved:	⌘ The P-CSCF may not get the proper IP address of UE.

Clauses affected:	⌘ 7.1									
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="text-align: center;">Y</td><td style="width: 20px;"></td></tr> <tr><td style="text-align: center;">X</td><td></td></tr> <tr><td style="width: 20px;"></td><td></td></tr> <tr><td style="width: 20px;"></td><td></td></tr> </table>	Y		X						⌘ TS 24.228, 24.229
Y										
X										
Other comments:	⌘									

*****omitted*****

The following rules apply:

1. For each SA which has been established and has not expired, the SIP application at the P-CSCF stores at least the following data: (UE_IP_address, UE_protected_port, SPI, IMPI, IMPU1, ... , IMPUn, lifetime) in an "SA_table".

NOTE 8: The SPI is only required when initiating and deleting SAs in the P-CSCF. The SPI is not exchanged between IPsec and the SIP layer for incoming or outgoing SIP messages.

2. The SIP application at the P-CSCF shall check upon receipt of a protected REGISTER message that the source IP address in the packet header coincides with the UE's IP address ~~given~~inserted in the ~~contact~~Via header of the protected REGISTER message. If the ~~contact~~Via header does not explicitly contain the UE's IP address, but rather a symbolic name then the P-CSCF shall first resolve the symbolic name by suitable means to obtain an IP address.

3. The SIP application at the P-CSCF shall check upon receipt of an initial REGISTER message that the pair (UE_IP_address, UE_protected_port), where the UE_IP_address is the source IP address in the packet header and the protected port is sent as part of the security mode set-up procedure (cf. clause 7.2), has not yet been associated with entries in the "SA_table". Furthermore, the P-CSCF shall check that, for any one IMPI, no more than three SAs per direction and per transport protocol are stored at any one time. If these checks are unsuccessful the registration is aborted and a suitable error message is sent to the UE.