

CHANGE REQUEST

⌘ 29.232 CR 087 ⌘ rev 3 ⌘ Current version: 5.8.0 ⌘

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

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

Title:	⌘ Service Change for Failover not defined for Mc Interface		
Source:	⌘ LM Ericsson, Vodafone, Lucent, Alcatel		
Work item code:	⌘ TEI5	Date:	⌘ 07/12/2004
Category:	⌘ F	Release:	⌘ Rel5
<p>Use <u>one</u> of the following categories:</p> <p>F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>		<p>Use <u>one</u> of the following releases:</p> <p>Ph2 (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) Rel-7 (Release 7)</p>	

Reason for change: ⌘ H.248.1 supports many different service change cases and details a list of service change methods. The ServiceChange method Failover and Handoff involving more than 1 MSC-Server or MGW could require that the Servers implement a mechanism to maintain state or other call data between backup nodes. From H.248.1:

No recommendation is made on how the MGCs involved in the Handoff maintain state information; this is considered to be out of scope of this Recommendation. The MGC and MG may take the following steps when Handoff occurs. When the MGC initiates a HandOff, the handover should be transparent to Operations on the Media Gateway. Transactions can be executed in any order, and could be in progress when the ServiceChange is executed. Accordingly, commands in progress continue and replies to all commands from the original MGC must be sent to the transport address from which they were sent.

As this is not defined in 3GPP ServiceChange Method involving more than 1 MSC-Server or MGW should not be used. This does not preclude the use of the ServiceChangeMGCId parameter in a ServiceChange (Handoff) message.

ESSENTIAL CORRECTION

Summary of change: ⌘ Service Change Method Failover or Handoff involving more than 1 MSC or MGW shall not be used on Mc interface.

Consequences if not approved: ☹ Missing specification describing how MSCs (respectively MGWs) of different vendors interwork during inter-MSC (respectively inter-MGWs) handoff scenario.

Clauses affected: ☹ 12

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

Other comments: ☹ The MGW has actually no means to differentiate whether the ServiceChangeMgcId parameter received in a ServiceChange (handoff) message relates to a logical MGC inside the same MSC server or if it is part of another MSC-Server. Upon receipt of a ServiceChange Handoff message, the MGW shall behave as specified in H.248.1 (extract in Reason for Change).

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.

12 General on Packages and Transactions

The base root package (0x0002) properties shall be provisioned in the MGW.

Event Buffering shall not be supported.

DigitMaps shall not be supported.

H.248 Statistics shall not be audited via the Mc interface and shall be suppressed in the replies to Subtract commands, except where specific 3GPP packages define their use.

[ServiceChange Method "Failover" with the "MG impending failure" reason shall not be used on this interface](#)

[ServiceChange Method "Handoff" involving more than 1 MSC or MGW shall not be used on this interface.](#)

[Note :](#) [This does not preclude the use of the MGCIId in a ServiceChange \(Handoff\) scenario, nor does it change the expected MG behaviour upon receipt of such a message, as the MGW has actually no means to differentiate whether the ServiceChangeMgcId parameter that may be received in a ServiceChange \(handoff\) message relates to a logical MGC inside the same MSC server or is part of another MSC-Server.](#)