

Source: SA5 (Telecom Management)
Title: 3 Rel-4 CRs 32.612, 32.613 & 32.614 (Bulk configuration management IRP: Information service, CORBA SS & CMIP SS) : Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"
Document for: Approval
Agenda Item: 7.5.3

Doc-1 st -Level	Spec	CR	R	Phase	Subject	Cat	Ver Cur	Ver New	Doc-2 nd -Level	Workitem
SP-020296	32.612	002	-	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate" - Parent CR	F	4.1.0	4.2.0	S5-026075	OAM-CM
SP-020296	32.613	004	-	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate" - Child CR	F	4.1.0	4.2.0	S5-026076	OAM-CM
SP-020296	32.614	002	-	Rel-4	Correction of behaviour for IS parameter "saveFallback" of IS operation "activate" - Child CR	F	4.1.0	4.2.0	S5-026077	OAM-CM

CHANGE REQUEST

⌘ **32.612 CR 002** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"		
Source:	⌘ SA5		
Work item code:	⌘ OAM-CM	Date:	⌘ 05/04/2002
Category:	⌘ F	Release:	⌘ REL-4
	Use <u>one</u> 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 <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)

Reason for change:	⌘ Behaviour for IS parameter "saveFallback" of IS operation "activate" is incorrect.		
Summary of change:	⌘ <ul style="list-style-type: none"> • Change behaviour for IS parameter "saveFallback" of IS operation "activate" so that the same value shall be used for all calls to IS operation "activate" within a configuration session. • Rename IS parameter "saveFallback" of IS operation "activate" to "fallbackEnabled" for consistency with the corrected behaviour. 		
Consequences if not approved:	⌘ It would be impossible to implement the Bulk CM IRP in a fully interoperable manner (see "Other comments").		

Clauses affected:	⌘ 6.2.2.5, 6.2.2.6, 7.1, 7.2.4		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications ⌘ <input checked="" type="checkbox"/> O&M Specifications	⌘	32.613, 32.614
Other comments:	⌘ <p>If this "parent" 32612CR002 is approved, then also the following "children" CRs can be approved:</p> <p>32613CR004 (Bulk CM IRP CORBA Solution Set) and 32614CR002 (Bulk CM IRP CMIP Solution Set).</p> <p>With current behaviour for parameter "saveFallback", in the case the IRPManager wishes to request for enabling the fallback option, this shall only be indicated once within a session, in the first call to operation "activate".</p> <p>As any call, this first call to the operation "activate" may fail because of unspecified errors in the communication layers, this before or after the request from the IRPManager reached the IRPAgent.</p> <p>.../...</p>		

.../...

In such an error case the IRPManager would have no mean to request the IRPAgent for enabling the fallback option:

- The IRPManager does not know if the IRPAgent has taken into account or not its previous request for enabling the fallback option.
- Requesting for enabling the fallback option shall, with current behaviour, only be indicated once, in the first call to operation "activate".

Changing the behaviour for parameter "saveFallback" so that the same value shall be used for all calls to operation "activate" within a configuration session corrects the above issue.


6.2.2.5 activate (M)



Selecting a Enabling the fallback option is optional. There can only be one ~~fallback option choice~~ for a session: enabled or not enabled. If enabling the fallback option is selected it shall be initiated when the first activation operation is requested. If ~~a enabling the~~ fallback option is not requested for the first activation, it cannot be subsequently requested for repeated activations during the session. If enabling the fallback option was requested, it is not possible change ~~the fallback option initially selected this choice~~ with any subsequent re-activate retries i.e. for a session it is only possible to fallback to the configuration that existed when the first activate operation was requested. See also subclause 6.2.2.6. (If a new fallback configuration is required a new session, download and activate should be started. The old session can be ended, prior to which fallback can optionally be invoked).



Table 5: activate parameters

Name	Qualifier	Description
 saveFallback <u>fallbackEnabled</u>	Input, M	Indicates whether or not it the <u>fallback option</u> is required to <u>be enabled</u> . <u>If required to be enabled, the first activate operation of a session that gets properly initiated in the IRP Agent shall</u> initialise and enable fallback option prior to the activation. This Enabling or not the <u>fallback option</u> is only open for the first activate operation of a session. For any subsequent activate operation retries within a session the saveFallback-fallbackEnabled parameter must be set to indicate it is not required to initialise fallback shall have the same value as for the first activate operation otherwise the re-activate operation shall be rejected.



6.2.2.6 fallback (M)



Specifying how fallback operation retries within a session shall be implemented after a fallback fails (e.g. repeat all fallback functions or just the delta of fallback functions that did not previously complete successfully) is beyond the scope of this document. Only the IRPManager can initiate the fallback operation. The IRP Agent shall not initiate fallback or fallback retries autonomously. Within a session the fallback operation shall only be accepted if an initial activate operations was performed with ~~save-fallback option requested~~ enabled. For further discussion of enabling or not the fallback options see subclause 6.2.2.5.



7.1 State Machine Overview

The Bulk CM IRP Agent state machine satisfies the following general requirements and characteristics for Bulk CM IRP:



- 8) The operator/IRPManager decides on whether or not ~~enabling a~~ the fallback option is required before requesting an activation. Enabling The the fallback option will maintain the disposition of the configuration before the activation. The fallback configuration information is established at point before the first activation is started. If there are multiple activation attempts during a session only one (first) fallback configuration is maintained.



7.2.4 Fallback Phase

If an activate operation was requested with the fallback option ~~selected~~-enabled and was successfully or partially completed then a fallback operation can be requested. If the process of a fallback fully succeeds then the related MIB and subnetwork is reverted back to its former configuration prior to first configuration data file activation of a session.



CHANGE REQUEST

⌘ **32.614 CR 002** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title: ⌘ Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"

Source: ⌘ SA5

Work item code: ⌘ OAM-CM

Date: ⌘ 05/04/2002

Category: ⌘ **F**

Release: ⌘ **REL-4**

Use one of the following categories:

Use one of the following releases:

F (correction)

2 (GSM Phase 2)

A (corresponds to a correction in an earlier release)

R96 (Release 1996)

B (addition of feature),

R97 (Release 1997)

C (functional modification of feature)

R98 (Release 1998)

D (editorial modification)

R99 (Release 1999)

Detailed explanations of the above categories can be found in 3GPP [TR 21.900](#).

REL-4 (Release 4)

REL-5 (Release 5)

Reason for change: ⌘ Behaviour for IS parameter "saveFallback" of IS operation "activate" is incorrect.

Summary of change: ⌘ Rename IS parameter "saveFallback" of IS operation "activate" to "fallbackEnabled" for consistency with the corrected behaviour, as per its "parent" 32612CR002 (Bulk CM IRP Information Service).

Consequences if not approved: ⌘ The TS would be inconsistent with 32.612 (Bulk CM IRP Information Service).

Clauses affected: ⌘ 4.2.2.5

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

Other comments: ⌘ This "child" 32614CR002 can only be approved if its "parent" 32612CR002 (Bulk CM IRP Information Service) has been approved.

4.2.2.5 Mapping of Parameters of the Operation activate

Table 6: Mapping of parameters of the operation activate

parameters of the technology independent operation 'activate' defined in the 3GPP TS 32.612	parameters of the CMIP action 'activate' specified in this document	Qualifier of the parameters of the CMIP action 'activate' specified in this document
●●●		
saveFallbackfallbackEnabled	saveFallback	Action information, M
●●●		

CHANGE REQUEST

⌘ **32.613 CR 004** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction of behaviour for IS parameter "saveFallback" of IS operation "activate"		
Source:	⌘ SA5		
Work item code:	⌘ OAM-CM	Date:	⌘ 05/04/2002
Category:	⌘ F	Release:	⌘ REL-4
<i>Use one of the following categories:</i>		<i>Use one of the following releases:</i>	
F (correction)		2 (GSM Phase 2)	
A (corresponds to a correction in an earlier release)		R96 (Release 1996)	
B (addition of feature),		R97 (Release 1997)	
C (functional modification of feature)		R98 (Release 1998)	
D (editorial modification)		R99 (Release 1999)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		REL-4 (Release 4)	
		REL-5 (Release 5)	

Reason for change:	⌘ Behaviour for IS parameter "saveFallback" of IS operation "activate" is incorrect.
Summary of change:	⌘ Rename IS parameter "saveFallback" of IS operation "activate" to "fallbackEnabled" for consistency with the corrected behaviour, as per its "parent" 32612CR002 (Bulk CM IRP Information Service).
Consequences if not approved:	⌘ The TS would be inconsistent with 32.612 (Bulk CM IRP Information Service).

Clauses affected:	⌘ 4.3
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘ This "child" 32613CR004 can only be approved if its "parent" 32612CR002 (Bulk CM IRP Information Service) has been approved.

4.3 Operation Parameter Mapping

•••

Table 6: Mapping from IS activate parameters to SS equivalents

IS Operation parameter	SS Method parameter	Qualifier
•••		
saveFallbackfallbackEnabled	boolean fallback	O
•••		