Source:	**SA5 (Telecom Management)**
Title:	**2 Rel-4/5 CR 32.311 (Generic IRP management; Requirements) : Align with 32.102**
Document for:	**Decision**
Agenda Item:	**7.5.3**

Doc-1st-Level	Spec	CR	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Status-2nd-Level	WI
SP-030639	32.311	001	Rel-4	Align with 32.102	F	4.0.2	S5-038786	Agreed	OAM-CM
SP-030639	32.311	002	Rel-5	Align with 32.102	A	5.0.1	S5-038787	Agreed	OAM-CM

CR-Form-v7

CHANGE REQUEST

⌘	**32.311** CR **001**	⌘**rev**	**-**	⌘	Current version:	**4.0.2**	⌘

*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 **X**   Core Network **X**

Title: ⌘	Align with 32.102	
Source: ⌘	SA5 (Thomas.Tovinger@ericsson.com)	
Work item code:⌘	OAM-CM	***Date:*** ⌘ 21/11/2003

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	Rel-4 *(Release 4)*
be found in 3GPP TR 21.900.	Rel-5 *(Release 5)*
	Rel-6 *(Release 6)*

Reason for change: ⌘	Text in subclause Scope is ambiguous. Example of IRPVersion in subcluase 3.1 is wrong. Definition of "Qualifiers" in subclause 3.1 is not used at all in the TS (and is defined/used in other TSs instead) and should be removed. Text in subclause 4.1 is missing a reference to the IRPVersion string definition.
Summary of change:⌘	1. Clarify Foreword and Scope. 2. Change the example in definition of IRPVersion of subclause 3.1 3. Remove definition of "Qualifiers" and add reference to IRPVersion string definition in 4.1.
Consequences if not approved: ⌘	The specification would contain ambiguities.

Clauses affected: ⌘	Foreword, 1, 3.1, 4.1.	

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

Other comments: ⌘	This is a mirror to a corresp. Rel4 CR, and both CRs should be approved together.

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.

Change in Foreword

Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The present document is part of the 32.300-series covering the 3rd Generation Partnership Project: Technical Specification Group Services and System Aspects; Telecommunication Management; Generic Integration Reference Point (IRP) management, as identified below:

32.311: **"Generic IRP Management: Requirements";**

32.312: "Generic IRP Management: Information Service".

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

End of Change in Foreword

Change in Clause 1

1 Scope

The purpose of the present document is to define a common service supported by all IRPs such as AlarmIRP. The present document is the "Requirements" part. It defines, ~~for the purpose of supporting the common service,~~ the requirements that shall be fulfilled by all IRPs, such as AlarmIRP, supporting this common service.

With this common service supported by all IRPs, an IRPManager shall be able to retrieve the profile of operations and notifications supported by a given IRP which is name-contained ~~are~~ by an IRPAgent. An IRPManager shall also be able to retrieve the IRPVersions ~~different versions~~ supported by the given ~~an~~ IRP.

End of Change in Clause 1

Change in Clause 3.1

IRP document version number string: the IRP document version number (sometimes called "IRPVersion") string is used to identify a particular IRP solution set specification
It is derived using the following rule. Take the 3GPP document version number on the front page of the solution set specification, such as "3GPP TS 32.111~~06~~-3 (V4.1~~3.2~~.0)". Discard the leading "3GPP TS". Discard all characters after and including the last period. Eliminate leading and trailing spaces. Reduce multiple consecutive spaces with one space. Express the resultant in a string. Capitalise~~d~~ the string.

EXAMPLE: If the 3GPP document version number is "3GPP TS 32.111~~06~~-3 V4.1~~3.2~~.0 (2001~~0~~-09~~12~~)", then the IRP document version number shall be "32.111-3~~06~~ V4.1~~3.2~~". If the 3GPP document version number is "3GPP TS 32.303 V4.1.0 (2001-09)", then the IRP document version number shall be "32.303 V4.1".

IRP: See 3GPP TS 32.102 [2].

~~**qualifiers:** the meaning of qualifiers for operations, parameters and information attributes (whether they are Mandatory(M)/ Conditional(C)/ Optional(O)) defined in the present (Information Service) document is provided in 3GPP TS 32.102 [2]~~
~~Moreover, qualifiers of information attributes, when those information attributes are re-used in other IRP ISs, obey to the following rule: Mandatory and Conditional qualifiers of information attributes shall always be the same in other IRPs ISs, Optional qualifiers of information attributes may be set to either Optional or Mandatory in the other IRP ISs~~

End of Change in Clause 3.1

Change in Clause 4.1

4.1 Versions retrieval function

Each IRP supported by an IRPAgent is fully identified by the version number of the corresponding IRP specification. An IRPAgent can simultaneously support several versions of the same IRP. An IRPAgent shall provide over Itf-N a function that is capable of retrieving all the IRPVersion(s) (i.e. *IRP document version number string(s))* of an IRP currently supported by IRPAgent. An IRPManager shall then be able to decide which IRP~~V~~ ~~v~~ersion it is going to talk to. The IRP document version number string format is defined in subclause 3.1 of this document.

End of Change in Clause 4.1

Annex A (informative):
Change history

Change history							
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
Jun 2001	S_12	SP-010285	--	--	Approved at TSG SA #12 and placed under Change Control	2.0.0	4.0.0
Jul 2001	--	--	--	--	TS number wrongly shown as 32.312 instead of 32.311	4.0.0	4.0.1
Dec 2002	--	--	--	--	Cosmetics	4.0.1	4.0.2

CR-Form-v7

CHANGE REQUEST

⌘ | **32.311** CR **002** | ⌘**rev** | **-** | ⌘ Current version: | **5.0.1** | ⌘

*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 **X**   Core Network **X**

Title: ⌘	Align with 32.102	
Source: ⌘	SA5 (Edwin.Tse@ericsson.com, Thomas.Tovinger@ericsson.com)	
Work item code: ⌘	OAM-CM	***Date:*** ⌘ 21/11/2003
Category: ⌘ **A**	*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.	***Release:*** ⌘ Rel-5 *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: ⌘	Text in subclause Scope is ambiguous. Example of IRPVersion in subclause 3.1 is wrong. Definition of "Qualifiers" in subclause 3.1 is not used at all in the TS (and is defined/used in other TSs instead) and should be removed. Text in subclause 4.1 is missing a reference to the IRPVersion string definition.
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Consequences if not approved: ⌘	The specification would contain ambiguities.

Clauses affected: ⌘	Foreword, 1, 3.1, 4.1.		
		Y	**N**	
Other specs affected: ⌘			**X**	Other core specifications ⌘
			X	Test specifications
			X	O&M Specifications
Other comments: ⌘	This is a mirror to a corresp. Rel4 CR, and both CRs should be approved together.		

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IRP document version number string: the IRP document version number (sometimes called "IRPVersion") string is used to identify a particular IRP solution set specification. It is derived using the following rule:
Take the 3GPP document version number on the front page of the solution set specification, such as "3GPP TS 32.11106-3 (V4.13.2.0)". Discard the leading "3GPP TS". Discard all characters after and including the last period. Eliminate leading and trailing spaces. Reduce multiple consecutive spaces with one space. Express the resultant in a string. Capitalised the string.

EXAMPLE: If the 3GPP document version number is "3GPP TS 32.11106-3 V4.1.03.2.0 (2001-090-12)", then the IRP document version number shall be "32.111-306 V4.13.2". If the 3GPP document version number is "3GPP TS 32.303 V4.1.0 (2001-09)", then the IRP document version number shall be "32.303 V4.1".

IRP: See 3GPP TS 32.102 [2].

qualifiers: the meaning of qualifiers for operations, parameters and information attributes (whether they are Mandatory(M)/ Conditional(C)/ Optional(O)) defined in the present (Information Service) document is provided in 3GPP TS 32.102 [2]

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End of Change in Clause 3.1

Change in Clause 4.1

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End of Change in Clause 4.1

Annex A (informative):
Change history

Change history							
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Jul 2001	--	--	--	--	TS number wrongly shown as 32.312 instead of 32.311	4.0.0	4.0.1
Mar 2002	S_15	--	--	--	Automatic upgrade to Rel-5 (no Rel-5 CR)	4.0.1	5.0.0
Dec 2002	--	--	--	--	Cosmetics	5.0.0	5.0.1