Technical Specification Group Services and System Aspects
Meeting #16, Marco Island, Florida, 10-13 June 2002

TSGS#16(02)0304

Source: **SA5 (Telecom Management)**

Title: **2 Rel-4 CRs 32.642 & 32.652 (UTRAN & GERAN network resources IRP: NRM) : Correction of supported IRP in system context**

Document for: **Approval**

Agenda Item: **7.5.3**

Doc-1st -Level	Spec	CR	R	Phase	Subject	Cat	Ver Cur	Ver New	Doc-2nd -Level	Workitem
SP-020304	32.642	002	-	Rel-4	Correction of supported IRP in system context	F	4.0.0	4.1.0	S5-026087	OAM-CM
SP-020304	32.652	005	-	Rel-4	Correction of supported IRP in system context	F	4.2.0	4.3.0	S5-026088	OAM-CM

3GPP TSG-SA5 (Telecom Management) **S5-026087**
Meeting #26, Miami / FL, USA, 25 February - 1 March 2002

CR-Form-v5

CHANGE REQUEST

⌘ **32.642** **CR** **002** ⌘ **rev** **-** ⌘ Current version: **4.0.0** ⌘

*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 **X** Core Network ☐

Title:	⌘	Correction of supported IRP in system context
Source:	⌘	SA5
Work item code:	⌘	OAM-CM
Date:	⌘	05/04/2002
Category:	⌘	**F**
Release:	⌘	REL-4

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)

Reason for change:	⌘	The current specification states that the IRP Agent supports the "Basic CM IRP", instead of the "UTRAN Network Resources IRP".
Summary of change:	⌘	"Basic CM IRP" is changed to "UTRAN Network Resources IRP".
Consequences if not approved:	⌘	It is unclear what is really supported. The existing text could be interpreted as if "Bulk CM IRP" is not supported, which is wrong.

Clauses affected:	⌘	4.1 and 4.2.
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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.
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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.

4.1 System context

Figure 4.1 and ~~3~~4.2 identify system contexts of the ~~subject~~ IRP defined by the present specification in terms of its implementation called IRPAgent and the user of the IRPAgent, called IRPManager. For a definition of IRPManager and IRPAgent, see 3GPP TS 32.102 [2].

The IRPAgent implements and supports ~~the~~ this ~~Basic CM~~ IRP. The IRPAgent can ~~be~~ reside in an Element Manager (EM; for definition see 3GPP TS 32.101 [1]) ~~or a mediator that interfaces one or more NEs (see Figure 4.1),~~ or ~~it can be~~ a Network Element (NE) (see also [2] clause 8~~Figure 4.2~~). In the former case, the interfaces (represented by a thick dotted line) between the EM and the NEs ~~are~~ is not the subject of this IRP.

An IRPManager using this IRP shall choose one of the two System Contexts defined here, for each NE. For instance, if an EM is responsible for managing a number of NEs, the NM shall access this IRP through the EM and not directly to those NEs. For another IRP though, the System Context may be different.

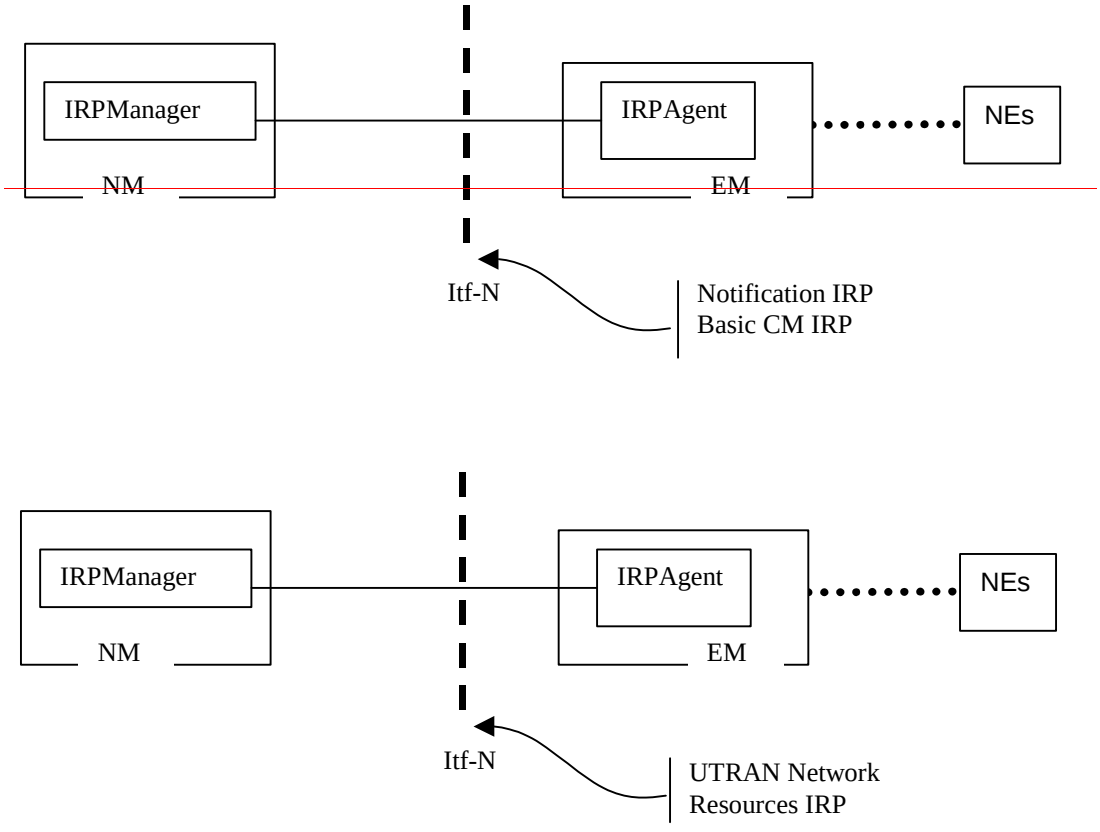

Figure 4.1: System Context A

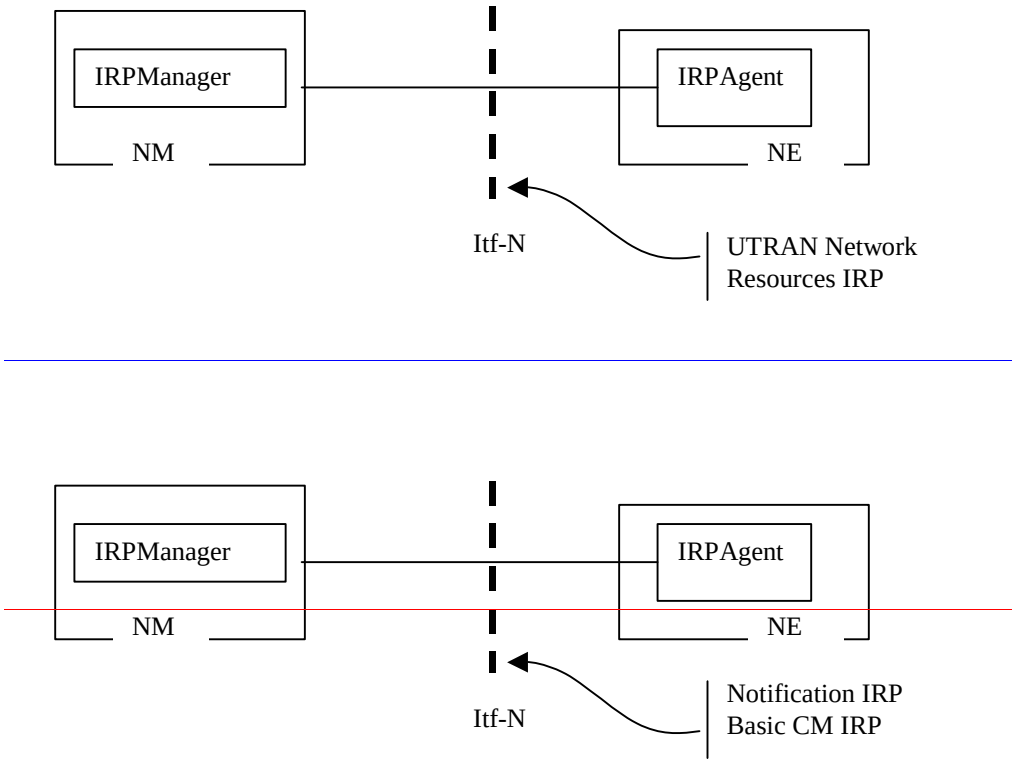

Figure 4.2: System Context B

4.2 Compliance rules

For general definitions of compliance rules related to qualifiers (Mandatory/Optional/Conditional) for *operations, notifications and parameters* (of operations and notifications) please refer to 3GPP TS 32.102 [2].

The following defines the meaning of Mandatory and Optional MOC attributes and associations between MOCs, in Solution Sets to the ~~Basic CM~~ IRP defined by the present specification:

- The IRPManager shall support all mandatory attributes/associations. The IRPManager shall be prepared to receive information related to mandatory as well as optional attributes/associations without failure; however the IRPManager does not have to support handling of the optional attributes/associations.
- The IRPAgent shall support all mandatory attributes/associations. It may support optional attributes/associations.

An IRPAgent that incorporates vendor-specific extensions shall support normal communication with a 3GPP SA5-compliant IRPManager with respect to all Mandatory and Optional managed object classes, attributes, associations, operations, parameters and notifications without requiring the IRPManager to have any knowledge of the extensions.

Given that

- rules for vendor-specific extensions remain to be fully specified, and
- many scenarios under which IRPManager and IRPAgent interwork may exist,

it is recognised that in Release 4/5 the IRPManager, even though it is not required to have knowledge of vendor-specific extensions, may be required to be implemented with an awareness that extensions can exist and behave accordingly.

3GPP TSG-SA5 (Telecom Management) **S5-026088**
Meeting #26, Miami / FL, USA, 25 February - 1 March 2002

CR-Form-v5

CHANGE REQUEST

⌘ **32.652** **CR** **005** ⌘ **rev** **-** ⌘ Current version: **4.2.0** ⌘

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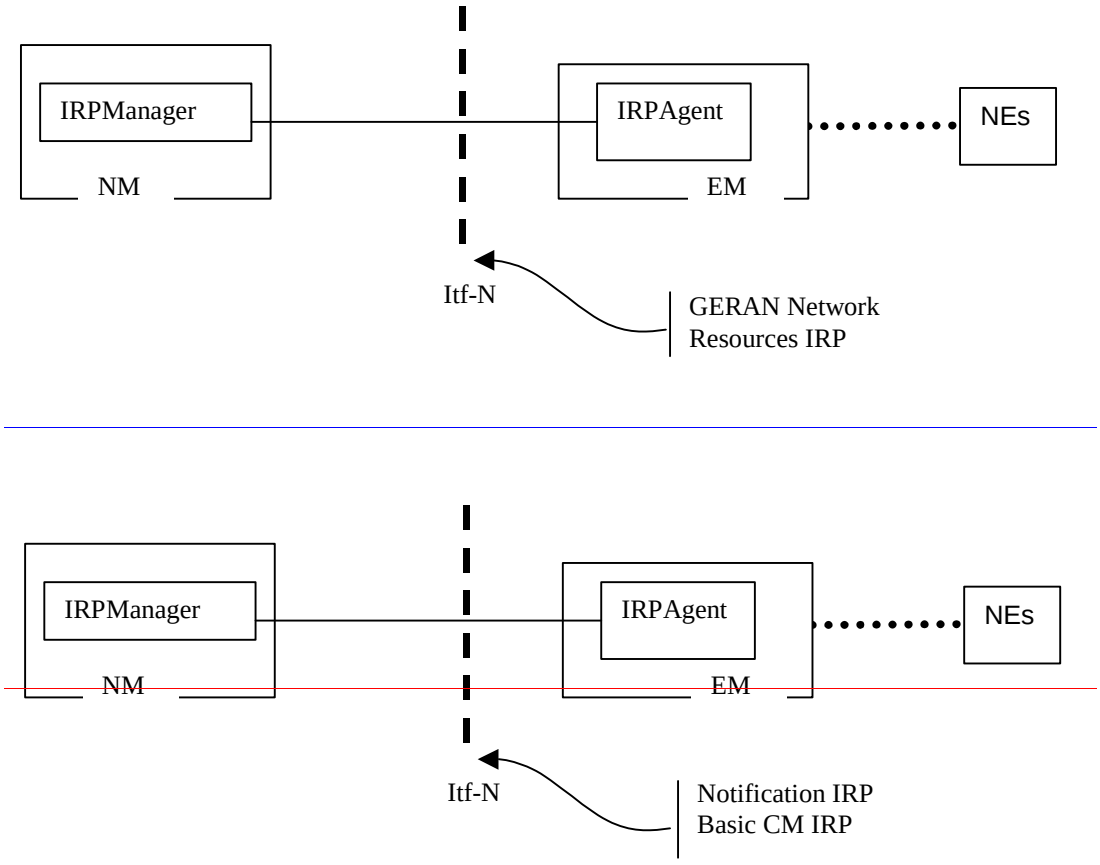
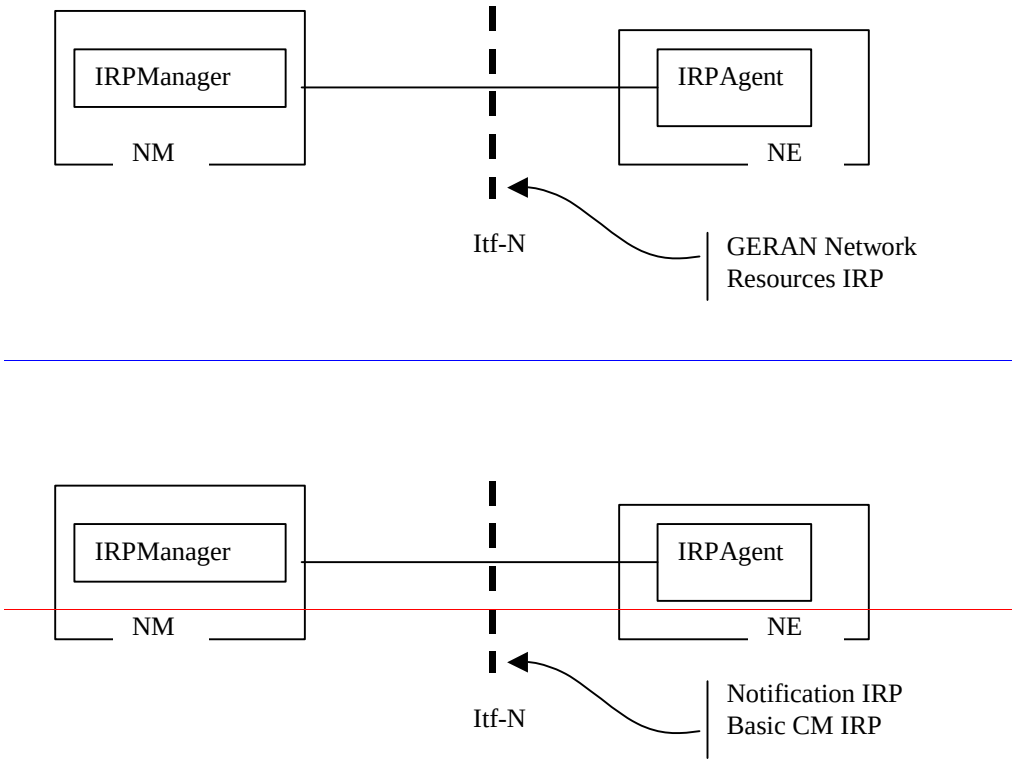


Figure 4.1: System Context A



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