
Source: SA5 (Telecom Management)
Title: Rel-6 CR 32.102 (Telecommunication management; Architecture)
Document for: Decision
Agenda Item: 7.5.3

Doc-1st-	Spec	CR	R	Phas	Subject	Cat	Ver	Doc-2nd-	Workitem
SP-040240	32.102	036	-	Rel-6	Update of new entities for 3GPP system and WLAN interworking - Align with SA2's 24.244	F	6.2.0	S5-042317	OAM-AR

CHANGE REQUEST

⌘ **32.102 CR 036** ⌘ rev - ⌘ Current version: **6.2.0** ⌘

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:	⌘	Update of new entities for 3GPP system and WLAN interworking - Align with SA2's 23.234	
Source:	⌘	SA5 (tommy.berggren@teliasonera.com)	
Work item code:	⌘	OAM-AR	Date: ⌘ 14/05/2004
Category:	⌘	F	Release: ⌘ Rel-6
		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) Rel-6 (Release 6)

Reason for change:	⌘	To align with 23.234 "3GPP system to Wireless Local Area Network interworking; System description".	
Summary of change:	⌘	New entities for 3GPP system to WLAN interworking have been introduced. The Telecom Management Architecture 32.102 need to be updated accordingly.	
Consequences if not approved:	⌘	Important 3GPP standardised entities will not be possible to integrate in a 3GPP Telecom Management standardised way.	

Clauses affected:	⌘	3.2, 7.3.3									
Other specs affected:	⌘	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;">X</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"> </td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N		X		X	X		⌘ some NRM (32.6x2) specs from SA5 SWGD
Y	N										
	X										
	X										
X											
Other comments:	⌘										

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

3G	3 rd Generation
AAA	Authentication, Authorisation and Accounting
AN	Access Network
AS	Application Server
ATM	Asynchronous Transfer Mode
AUC	Authentication Centre
BG	Border Gateway
BGCF	Breakout Gateway Control Function
BSC	Base Station Controller
BSS	Base Station Subsystem
BTS	Base Transceiver Station
CAMEL	Customised Applications for Mobile network Enhanced Logic
CBC	Cell Broadcast Center
CBS	Cell Broadcast Service
CIM	Common Information Model Specification (from DMTF)
CMIP	Common Management Information Protocol
CMIS	Common Management Information Service
CMISE	Common Management Information Service Element
CN	Core Network
CORBA	Common Object Request Broker Architecture
CS	Circuit Switched
CSCF	Call Session Control Function
DCN	Data Communication Network
DECT	Digital Enhanced Cordless Telecommunications
DSS1	Digital Subscriber System 1
EIR	Equipment Identity Register
EM	Element Manager
E-OS	Element Management Layer-Operations System
F/W	Firewall
FM	Fault Management
FTAM	File Transfer, Access and Management
GCR	Group Call Register
GDMO	Guidelines for the Definition of Managed Objects
GGSN	Gateway GPRS Support Node
GMLC	Gateway Mobile Location Center
GMSC	Gateway MSC
GPRS	General Packet Radio Service
GTT	Global Text Telephony
HLR	Home Location Register
HSS	Home Subscriber Server
HTTP	HyperText Transfer Protocol
HW	Hardware
I-CSCF	Interrogating CSCF
IDL	Interface Definition Language
IIOB	Internet Inter-ORB Protocol
IM	Information Model
IM-MGW	IP Multimedia Media Gateway
IMS	IP Multimedia Subsystem
INAP	Intelligent Network Application Part
IP	Internet Protocol
IRP	Integration Reference Point
IS	Information Service
ISDN	Integrated Services Digital Network
IWU	Inter Working Unit
LCS	Location Services

LMU	Location Measurement Unit
MD	Mediation Device
ME	Mobile Equipment
MGCF	Media Gateway Control Function
MIB	Management Information Base
MMI	Man-Machine Interface
MML	Man-Machine Language
MMS	Multimedia Messaging Service
MNP	Mobile Number Portability
MNP-SRF	Mobile Number Portability/Signalling Relay Function
MRF	Multimedia Resource Function
MRFC	Multimedia Resource Function Controller
MRFP	Multimedia Resource Function Processor
MSC	Mobile service Switching Centre
MT	Mobile Termination
NE	Network Element
NM	Network Manager
N-OS	Network Management Layer-Operations System
NPDB	Number Portability Database
NR	Network Resource
NRM	Network Resource Model
NSS	Network Switching Subsystem
NW	Network
OMG	Object Management Group
OS	Operations System
OSA	Open Services Access
OSF	Operations System Functions
P-CSCF	Proxy CSCF
PDH	Plesiochronous Digital Hierarchy
PS	Packet Switched
PSA	Product Specific Applications
PSS	Packet Switched Service
PSTN	Public Switched Telephone Network
QA	Q-Adapter
QoS	Quality of Service
RNC	Radio Network Controller
RNS	Radio Network System
RSVP	Resource ReserVation Protocol
S-CSCF	Serving CSCF
SDH	Synchronous Digital Hierarchy
SGSN	Serving GPRS Support Node
SGW	Signalling Gateway
SIM	Subscriber Identity Module
SLA	Service Level Agreement
SLF	Subscription Locator Function
SMI	Structure of Management Information
SMLC	Serving Mobile Location Center
SMS	Short Message Service
SNM	Sub-Network Manager
SNMP	Simple Network Management Protocol
SS	Solution Set
SS7	Signalling System No. 7
SW	Software
TA	Terminal Adapter
TE	Terminal Equipment
TM	Telecom Management
TMN	Telecommunications Management Network as defined in ITU-T Recommendation M.3010 [1]
UE	User Equipment
UML	Unified Modelling Language
USAT	USIM/SIM Application Toolkit
USIM	UMTS Subscriber Identity Module
UTRA	Universal Terrestrial Radio Access

UTRAN	Universal Terrestrial Radio Access Network
VHE	Virtual Home Environment
VLR	Visitor Location Register
<u>WAG</u>	<u>WLAN Access Gateway</u>
WBEM	Web Based Enterprise Management
WS	WorkStation

Change in Clause 7.3.3

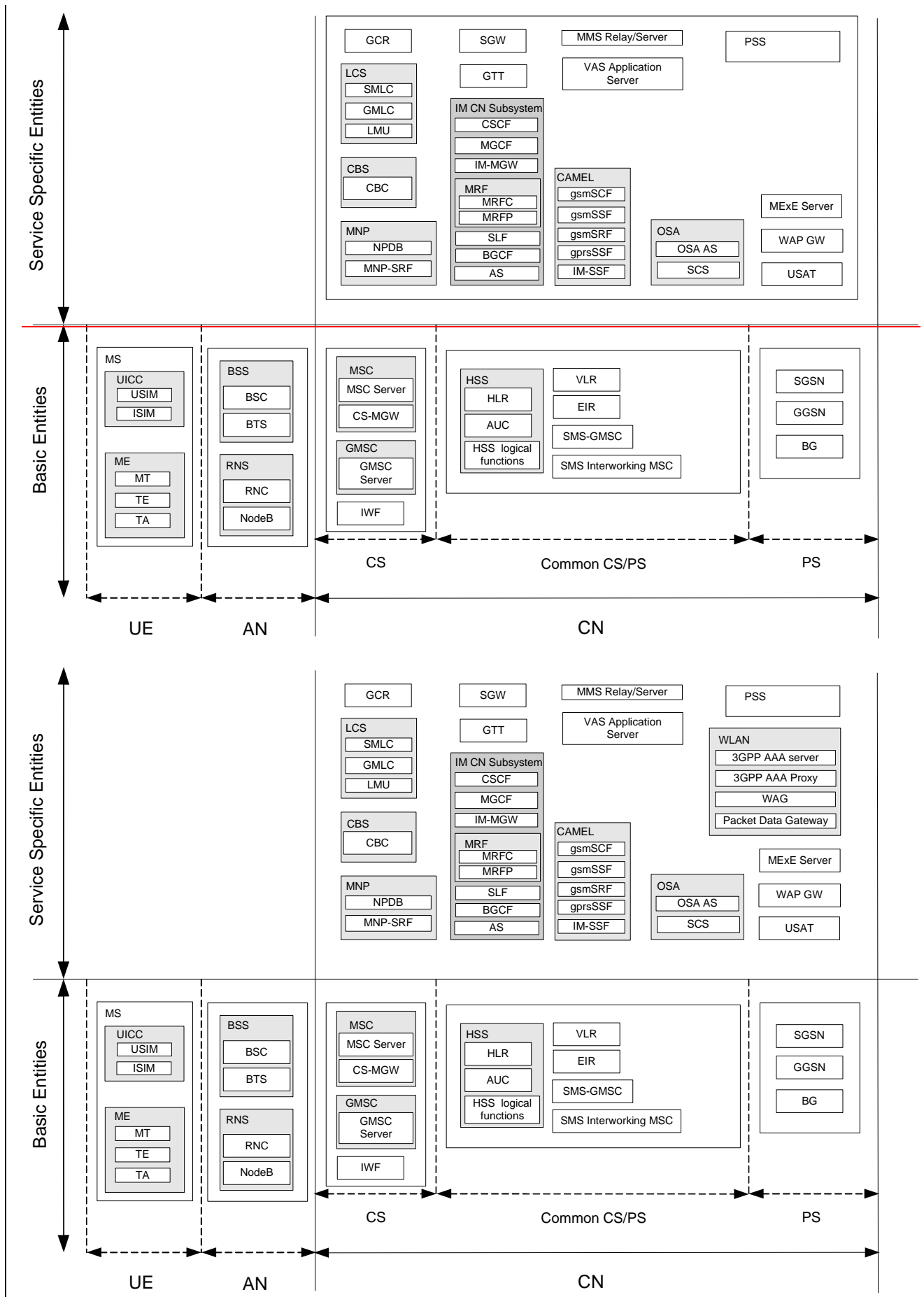


Figure 7.3 Examples of entities of the mobile system to be managed

Annex C (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
Dec 1999	S_06	SP-99578	--	--	Approved at TSG SA #6 and placed under Change Control	-	3.0.0
Mar 2000	S_07	SP-000015	001	--	resolving remaining R99 inconsistency between 32.101 & 32.102	3.0.0	3.1.0
Mar 2000	S_07	SP-000015	002	--	Correction of IRP-related terminology	3.0.0	3.1.0
Mar 2000	--	--	--	--	Cosmetic	3.1.0	3.1.1
Jun 2000	S_08	SP-000227	003	--	Clarification of compliance conditions	3.1.1	3.2.0
Jun 2000	S_08	SP-000228	004	--	Update ITU-T TMN related reference material	3.1.1	3.2.0
Jun 2000	S_08	SP-000229	005	--	Definition of the Mandatory/Optional/Conditional qualifiers used in the IRPs	3.1.1	3.2.0
Jun 2000	S_08	SP-000230	006	--	Correction of erroneous editing and usage of undefined term	3.1.1	3.2.0
Mar 2001	S_11	SP-010026	007	--	Add UMTS TMN conformance	3.2.0	4.0.0
Jun 2001	S_12	SP-010232	008	--	Correction of ITU-T TMN concerns	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	009	--	Alignment with 3GPP drafting rules regarding headings	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	010	--	Update of TM architectural aspects	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	011	--	General clarifications and enhancements	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	012	--	Alignment with 3GPP drafting rules regarding verbal forms for the expression of provisions	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	013	--	Update and clarify compliance condition for a UMTS entity	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	014	--	Delete OSA definition	4.0.0	4.1.0
Jun 2001	S_12	SP-010232	015	--	Enhancements of the IRP Concept	4.0.0	4.1.0
Sep 2001	S_13	SP-010466	016	--	Update and alignment of compliance conditions for UMTS Management Physical architectures	4.1.0	4.2.0
Sep 2001	S_13	SP-010522	017	--	Specify the Rule for IDL file names	4.1.0	4.2.0
Mar 2002	S_15	SP-020037	018	--	Add the rule on how all SA5 Solution Set specifications indicate a reference to a particular SA5 Information Service specification.	4.2.0	5.0.0
Mar 2002	S_15	SP-020037	019	--	Inclusion of the IMS in the 3G Telecom Management Architecture (32.102)	4.2.0	5.0.0
Sep 2002	S_17	SP-020450	020	--	Correction of diagrams describing entities of the mobile system to be managed	5.0.0	5.1.0
Sep 2002	S_17	SP-020450	021	--	IS Template Changes to support new UML Repertoire/Methodology	5.0.0	5.1.0
Sep 2002	S_17	SP-020450	022	--	Addition of 3GPP UML Repertoire for IRP: IS	5.0.0	5.1.0
Sep 2002	S_17	SP-020479	023	--	Add optional parameters in CORBA Solution Set IDLs	5.0.0	5.1.0
Dec 2002	S_18	SP-020726	024	--	Aligning IRP related terminology with SA5's SWGC IRP specifications (32.6xy)	5.1.0	5.2.0
Dec 2002	S_18	SP-020727	025	--	Updates and corrections to Integration Reference Points (IRPs) Introduction	5.1.0	5.2.0
Mar 2003	S_19	SP-030061	027	--	Add New Subclause to IS Template for Notification Related IOCs	5.2.0	5.3.0
Sep 2003	S_21	SP-030402	029	--	Correction of subclause X.2.1 in Annex C	5.3.0	5.4.0
Sep 2003	S_21	SP-030403	030	--	Expansion to UML repertoire to support more concise modelling of stage 2 specifications	5.4.0	6.0.0
Dec 2003	S_22	SP-030756	032	1	Replace the term UMTS in line with SA1/2 with 3G / 3GPP	6.0.0	6.1.0
Mar 2004	S_23	SP-040112	035	--	Deletion of clauses in 32.102 that have been moved to new Rel-6 TSs 32.150/1/2	6.1.0	6.2.0