

TSGS#27(05)0020

Meeting #27 Tokyo, JAPAN, 14 - 17 March 2005



TSG-SA WG5 **(Telecom Management) Status Report**

Reported by

Michael TRUSS
TSG-SA WG5 Chair

Agenda Item:

7.5.1

Document for:

Information

A GLOBAL INITIATIVE

SP-050020 Meeting SA#27 Tokyo, JAPAN, 14 - 17 March 2005

3GPP SA5 Officers



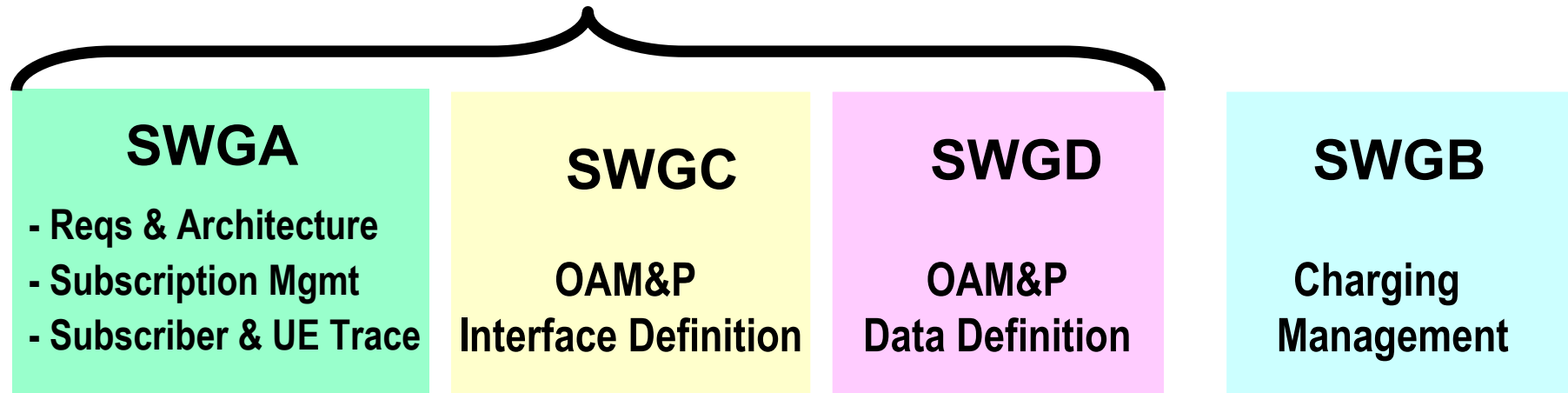
OAM&P (Operations, Administration, Maintenance & Provisioning) and Charging Management

- **Chair**
Michael TRUSS (Motorola Ltd/ ETSI) – since 04/2002
- **Vice Chairs**
Dr Li Yewen (China Mobile/CCSA) – since 07/2003
Christian TOCHE (Nortel Networks/ ETSI) – since 04/2002
- **MCC Support: Adrian ZOICAS (MCC) – since 01/2000**

SA5's Sub-WG Structure



OAM&P



SWG Officials - see next slides

SA5's Sub-WG structure (1/2)



OAM&P (Operations, Administration, Maintenance & Provisioning)

SWGA Telecom management Architecture, High-level requirements,
Subscription management, Subscriber & UE Trace management

- István ABA (T-Mobile Austria) – Chair
- Tommy BERGGREN (TeliaSonera) – Vice Chair

SWGC OAM&P Interface Definition

- Thomas TOVINGER (Ericsson) – Chair
- Joerg SCHMIDT (Motorola) – Vice Chair

SWGD OAM&P Data Definition

- **Christian TOCHE (Nortel Networks)** – Chair
stepped down at end of Rel-6 (12/04)
- Ulf HUBINETTE (Ericsson) – Vice Chair
- Olaf POLLAKOWSKI (Siemens) – Vice Chair

SA5's Sub-WG structure (2/2)



Charging Management

SWGB Charging Management

- Karl-Heinz NENNER (T-Mobile) – Chair
- Gerald GÖRMER (Siemens) – Vice Chair
- Benni ALEXANDER (Nokia) – Vice Chair

Liaison:

GSM Association (BARG, IREG, SERG),
OMA M-Commerce & Charging (MCC),
IETF-AAA (Diameter, Credit-Control),
T2 (MMS Charging)

Meetings held



SA5 #40bis

SWGB (Charging)

Sophia Antipolis, FRANCE, 11-13 January 2005, hosted by ETSI

- **Attended by 10 delegates**

SA5 #41

Lisbon, PORTUGAL, 24-28 January 2005, hosted by EF3

- **Attended by 48 delegates**
- **Draft report in S5-050011**

Inter-Organizational Co-operation with:



ITU-T SG4 & ATIS TMOC

- Discussions on-going on CORBA framework, IS Methodology, UML, XML/tML standardization and overlap with Recommendation Q.827.1.
- Also liaising with ATIS TMOC on VoIP Account Management

3GPP2 TSG-S on Management standards

- 3GPP2 TSG-S is referencing SA5's TSs in its specification S.S0028-B "OAM&P for cdma2000 (3GPP2 R5 Delta Specification)".
- Methodology alignment regarding network resource models and measurements

IEEE 802.16 NETMAN Working Group

- Establishing a relationship to exchange information related to the development of network management specifications for heterogeneous networks

IETF AAA Working Group

- On Diameter Credit Control application for 3GPP Online Charging.

OMA Mobile Commerce & Charging (MCC) Working Group

- On Re-use of 3GPP Charging Architecture and Specifications

SA5 Telecom Management Rel-6 WID overview (Feature & BB level ONLY)

**Feature: SuM
Subscription
Management**
(SP-040763)

100% completed 03/05

BB: OAM-AR Principles,
high level Requirements
and Architecture
(SP-040767)

100% (SA5 completed 12/04)
CN4 Trace completed 03/05

**Feature: OAM
Operations,
Administration,
Maintenance &
Provisioning**
(SP-040766)

BB: OAM-PM
Performance
Management
(SP-040782)

BB: OAM-Trace
Trace
Management
(SP-040769)

BB: OAM-NIM
Network
Infrastructure
Management
(SP-040789)

90% (in SA5 as IP flow charging has SA2/CN3 dependency)
Target 06/05 (WLAN, PoC, MBMS)

**Feature: CH
Charging
Management**
(SP-040773)

BB: CH-BC
Charging
Management
for Bearer
Level (SP-030048)

BB: CH-IC
Charging
Management
for IMS
(SP-030049)

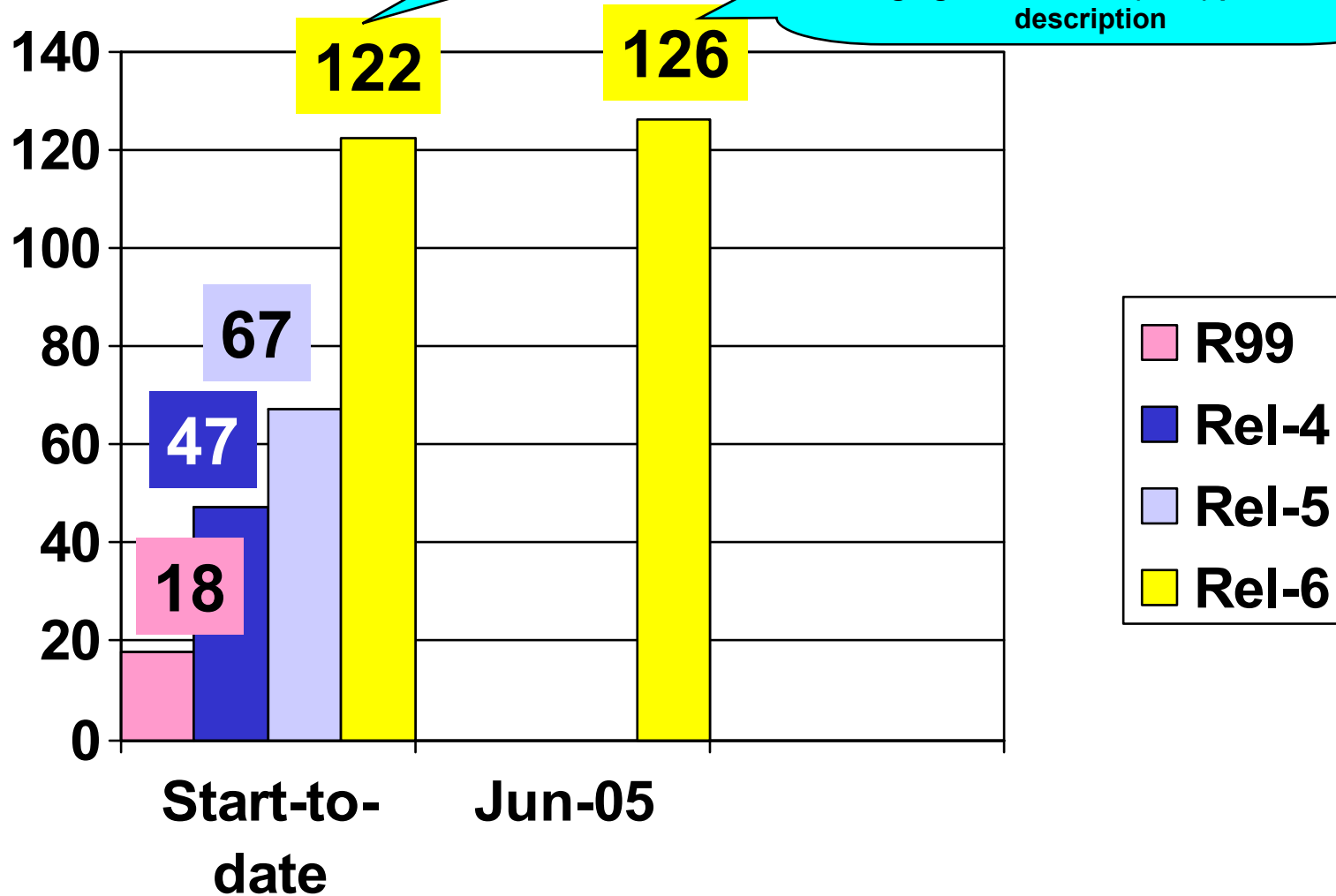
BB: CH-SC
Charging
Management
for Service
domain
(SP-040778)

Evolution of SA5 specifications

- from start of 3GPP

3 TSs :
IRP Solution Sets

4 TSs on Charging (WLAN, PoC, MBMS),
Charging Data Record (CDR) parameter
description





Status of Rel-6 Feature: Subscription Management (SuM)

Completed **March 2005**

Already SA Approved 5 TS/TR :

- **32.140 SuM Requirements**
- **32.141 SuM Architecture**
- **32.171 SuM Network Resources Model (NRM) IRP Requirements**
- **32.172 SuM NRM IRP Information Service (IS)**
- **32.803 Process Guide; Use Cases in UML**

SA#27 approval for 1 TS :

- **32.175 SuM NRM IRP XML Definition**



Status of Rel-6 Feature OAM&P

Operation, Administration, Maintenance and Provisioning

Completed **December 2004**

Already SA Approved: > 110 TS/TR

For SA#27 approval: 3 TSs (IRP Solution Sets)

- OAM-AR: Principles, high level Requirements & Architecture (completed Jun 04)
- OAM-NIM: Network Infrastructure Management (completed Dec 04)
- OAM-PM: Performance Management (completed Dec 04)

- OAM-Trace: Subscriber and Equipment Trace Management (completed Dec 04)
 - Contains Management Based Activation (MBA) and non-SIP Signalling Based Activation of Trace
 - Moved to Rel-7 Signalling Based Activation (SBA) of Trace in IMS (Reason CN1/IETF dependency on SIP) – **Rel-7 WID for SA#27 Approval**

Status of Rel-6 Feature: Charging Management (CH)

Completion target **Jun 2005** (was Sep 2004, Dec 2004)

Already SA Approved 11 TS/TR :

32.240	Charging architecture and principles
32.250	Circuit Switched (CS) domain charging
32.251	Packet Switched (PS) domain charging
32.260	IP Multimedia Subsystem (IMS) charging
32.270	Multimedia Messaging Service (MMS) charging
32.271	Location Services (LCS) charging
32.295	Charging Data Record (CDR) transfer
32.815	Online Charging System (OCS) architecture study
32.296	Online Charging System (OCS): Applications and interfaces
32.297	Charging Data Record (CDR) file format and transfer
32.299	Diameter charging applications

SA#27 3 TSs for Information & 1 Rel-6 WID for Approval :

32.252	Wireless Local Area Network (WLAN) charging
32.273	MBMS charging
32.272	PoC charging - coordinate with OMA
WID	Rel-6 on 32.272 PoC charging

Completion date **Jun 2005** for 4 TSs - the above 3 TSs plus

32.298	Charging Data Record (CDR) parameter description
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SA5 Meetings



3GPPSA5#40-Bis SWGB	11 - 13 Jan 2005	Sophia Antipolis	FR
3GPPSA5#41	24 - 28 Jan 2005	Lisbon	PT
3GPPSA#27	14 - 17 Mar 2005	Tokyo	JP
3GPPSA5#41-BIS	14 - 18 Mar 2005	Sophia Antipolis	FR
3GPPSA5#42	9 - 13 May 2005	Toronto (NAF)	CA
3GPPSA#28	6 - 9 Jun 2005	Quebec	CA
3GPPSA5#42-BIS	27 Jun - 1 Jul 2005	Sophia Antipolis	FR
3GPPSA5#43	29 Aug - 2 Sep 2005	Guangzhou (Huawei)	CN
3GPPSA#29	26 - 29 Sep 2005	Tallinn	EE
3GPPSA5#44	7 - 11 Nov 2005	Europe (EF3)	TDB
3GPPSA#30	5 - 8 Dec 2005	Malta	MT

Abbreviations commonly used in SA5



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AVP	Attribute Value Pair	TOM	Telecom Operations Map (TMF)
BS	Billing System		
CDR	Charging Data Record	DN	Distinguished Name
CM	Configuration Management		
CMIP	Common Management Information Protocol		
CMISE	Common Management Information Service		
COPS	Common Open Policy Service		
CORBA	Common Object Request Broker Architecture		
FM	Fault Management		
GDMO	Guidelines for the Definition of Managed Objects		
IDL	Interface Definition Language		
IMS	IP Multimedia Subsystem	IOC	Information Object Class
IRP	Integration Reference Point	IS	Information Service
ITF-N	Interface-N (Network-NM Interface)	MOC	Managed Object Class
NRM	Network Resource Model		
OAM&P	Operations, Administration, Maintenance & Provisioning		
O(S)S	Operations Support System		
PDP	Policy Decision Point		
PM	Performance Management		
SNMP	Simple Network Management Protocol (IETF)		
SuM	Subscription Management	UML	Unified Modelling Language
SS	Solution Set	XML	eXtensible Mark-up Language
TM	Telecom Management		
TMF	TeleManagement Forum		
TMN	Telecommunications Management Network (ITU-T)		

Documents and issues for discussion, information and approval

List of SA5 input documents to this SA plenary

SA Tdoc#	Title	Type	WI
SP-050020	Status report of SA5 to SA #27	Report	
SP-050021	CR 32111-x Fault Management Alarm IRP	CR	OAM-NIM
SP-050022	Rel-6 TS 32111-5-200 Fault Management IRP XML definitions - for SA Approval	TS	OAM-NIM
SP-050023	CR 32151-2 Telecommunication management IRP Information Service (IS)	CR	OAM-NIM
SP-050024	CR 32172 Subscription Management (SuM) Network Resource Model (NRM) IRP Information	CR	SuM
SP-050025	Rel-6 TS 32175-100 Subscription Management (SuM) Network Resource Model (NRM) IRP	TS	SuM
SP-050026	CR 32200-205 Charging principles - CS domain charging	CR	CH-BC
SP-050027	CR 32215-251 PS domain charging	CR	CH-BC
SP-050028	Rel-6 TS 32252-100 WLAN Charging - for SA Information	TS	CH-BC
SP-050029	CR 32240 Charging architecture and principles	CR	CH
SP-050030	CR 32225-260-299 IMS charging - Diameter charging applications	CR	CH-IC
SP-050031	CR 32270 MMS charging	CR	CH-SC
SP-050032	WID on Rel-6 WT on PoC Charging	WID	CH-SC
SP-050033	Rel-6 TS 32272-100 PoC Charging - for SA Information	TS	CH-SC
SP-050034	Rel-6 TS 32273-100 MBMS Charging - for SA Information	TS	CH-SC
SP-050035	CR 32302-3-4 CM Notification IRP, 32323 Test management IRP CORBA SS	CR	OAM-NIM
SP-050036	Rel-6 TS 32333-100 Notification Log IRP CORBA SS - for SA Approval	TS	OAM-NIM
SP-050037	CR 32341-3 Notification Log (NL) IRP	CR	OAM-NIM
SP-050038	CR 32352-3 Communication Surveillance (CS) IRP	CR	OAM-NIM
SP-050039	CR 32363 Entry Point (EP) IRP	CR	OAM-NIM
SP-050040	CR 32401-403-432 Performance Management (PM)	CR	OAM-PM
SP-050041	CR 32412-3 Performance Management (PM) IRP	CR	OAM-PM
SP-050042	WID Rel-7 OAM-Trace	WID	OAM-Trace
SP-050043	CR 32421-2-3 Subscriber and equipment trace	CR	OAM-Trace
SP-050044	CR 32602-3-4 Basic Configuration Management (CM) IRP	CR	OAM-NIM
SP-050045	CR 32612-3-4-5 Bulk Configuration Management (CM) IRP	CR	OAM-NIM
SP-050046	CR 32622-3-5 Configuration Management (CM) Generic network resources IRP	CR	OAM-NIM
SP-050047	CR 32632-3-4-5 Configuration Management (CM) Core Network Resources IRP	CR	OAM-NIM
SP-050048	CR 32642-3-4-5 UTRAN network resources IRP 32804 RET antennas Requirements	CR	OAM-NIM
SP-050049	CR 32300 Name convention for Managed Objects	CR	OAM-NIM
SP-050050	CR 32663 Configuration Management (CM) Kernel CM IRP	CR	OAM-NIM
SP-050051	CR 32672-3 Configuration Management (CM) State Management IRP	CR	OAM-NIM
SP-050052	CR 32715 Configuration Management (CM) Transport Network (TN) NRM IRP	CR	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050021	CR 32111-x Fault Management Alarm IRP	CR	OAM-NIM	Approval
SP-050022	Rel-6 TS 32111-5-200 Fault Management IRP XML definitions - for SA Approval	TS	OAM-NIM	Information
Spec	Title	Rel-5	Rel-6	Note
32.111-1	Fault Management; Part 1: 3G fault management requirements	5.x.y	6.x.y	
32.111-2	Fault Management; Part 2: Alarm IRP Information Service (IS)	5.x.y	6.x.y	
32.111-3	Fault Management; Part 3: Alarm IRP CORBA SS	5.x.y	6.x.y	
32.111-4	Fault Management; Part 4: Alarm IRP CMIP SS	5.x.y	6.x.y	
32.111-5	Fault Management; Part 5: Alarm IRP XML Definitions	n.a.	1.0.0	For approval Mar 2005

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050021	32.111-2	038	--	R99	Inclusion of additional event types for duplicate probable causes	F	3.3.0	S5-056057	OAM-NIM
SP-050021	32.111-2	039	--	Rel-4	Inclusion of additional event types for duplicate probable causes	A	4.7.0	S5-056058	OAM-NIM
SP-050021	32.111-2	040	--	Rel-5	Inclusion of additional event types for duplicate probable causes	A	5.5.0	S5-056059	OAM-NIM
SP-050021	32.111-3	042	--	Rel-5	Update the IS-SS relationship in the Alarm IRP CORBA SS	F	5.5.1	S5-056103	OAM-NIM
SP-050021	32.111-2	041	--	Rel-6	Inclusion of additional event types for duplicate probable causes	A	6.3.0	S5-056060	OAM-NIM
SP-050021	32.111-3	043	--	Rel-6	Update the IS-SS relationship in the Alarm IRP CORBA SS	F	6.1.0	S5-056104	OAM-NIM
SP-050021	32.111-4	030	--	Rel-5	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	F	5.8.0	S5-047089	OAM-NIM
SP-050021	32.111-4	031	--	Rel-6	Add missing definition of getAlarmList return value - Align with the IS (TS 32.111-2)	A	6.3.0	S5-056062	OAM-NIM
SP-050021	32.111-2	042	--	Rel-6	Add vendorSpecificAlarmType attribute in alarm information table and notifyNewAlarm	C	6.3.0	S5-056099	OAM-NIM
SP-050021	32.111-3	038	--	Rel-6	IDL incompliant to the style guide	F	6.1.0	S5-056064	OAM-NIM
SP-050021	32.111-3	039	--	Rel-6	Align notifyAckStateChanged parameters mapping table with the IS (TS 32.111-2)	F	6.1.0	S5-056030	OAM-NIM
SP-050021	32.111-3	040	--	Rel-6	Add vendor specific AlarmType attribute in alarm IRP CORBA Solution Set - Align with the IS (TS 32.111-2)	F	6.1.0	S5-056100	OAM-NIM
SP-050021	32.111-3	041	--	Rel-6	Add definitions in IDLs - Align with the IS (TS 32.111-2)	F	6.1.0	S5-056101	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT09: Backward Compatibility			
SA Tdoc#	Title	Type	WI	Doc for
SP-050023	CR 32151-2 Telecommunication management IRP Information Service (IS)	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.150	Integration Reference Point (IRP) Concept and definitions	n.a.	6.x.y	
32.151	Integration Reference Point (IRP) Information Service (IS) template	n.a.	6.x.y	
32.152	Integration Reference Point (IRP) Information Service (IS) UML repertoire	n.a.	6.x.y	
32.805	Process guide; Backward compatibility recommendations	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050023	32.151	001	--	Rel-6	Address 3GPP2 Liaison point 8 from tdoc S5-048704 to have a common notifications section	C	6.0.0	S5-056083	OAM-NIM
SP-050023	32.152	002	--	Rel-6	Add "abstract" adornment	F	6.1.0	S5-056081	OAM-NIM

Feature: Subscription Management (SuM)



Unique_ID	Name	Acronym	WID (URL)	
2062	Subscription Management	SuM	SP-040763	
SA Tdoc#	Title	Type	WI	Doc for
SP-050024	CR 32172 Subscription Management (SuM) Network Resource Model (NRM) IRP Inf	CR	SuM	Approval
SP-050025	Rel-6 TS 32175-100 Subscription Management (SuM) Network Resource Model (NR)	TS	SuM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.140	Subscription Management (SuM) requirements		6.x.y	
32.141	Subscription Management (SuM) architecture		6.x.y	
32.171	Subscription Management (SuM) NRM IRP Requirements		6.x.y	
32.172	Subscription Management (SuM) NRM IRP Information Service		6.x.y	
32.175	Subscription Management (SuM) NRM IRP XML definitions		1.0.0	For approval Mar 2005
32.803	Process guide; Use cases in Unified Modelling Language (UML)		6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050024	32.172	001	--	Rel-6	Add Generic Authentication Architecture (GAA) attributes – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052039	SuM
SP-050024	32.172	002	--	Rel-6	Add Interworking WLAN (I-WLAN) parameters – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052040	SuM
SP-050024	32.172	003	--	Rel-6	Add Supplementary Service attributes – Align with CN4's 23.008 (Organisation of subscriber data)	F	6.0.0	S5-052041	SuM

BB: Bearer Charging (CH-BC)



Unique_ID	Name	Acronym	WID (URL)	
35017	Charging Management for Bearer level	CH-BC	SP-030048	
35033	WLAN charging	WLAN-CH		
SA Tdoc#	Title	Type	WI	Doc for
SP-050026	CR 32200-205 Charging principles - CS domain charging	CR	CH-BC	Approval
SP-050027	CR 32215-251 PS domain charging	CR	CH-BC	Approval
SP-050028	Rel-6 TS 32252-100 WLAN Charging - for SA Information	TS	CH-BC	Information
SP-050029	CR 32240 Charging architecture and principles	CR	CH	Approval
Spec	Title	Rel-5	Rel-6	Note
32.240	Charging architecture and principles		6.x.y	
32.250	Circuit Switched (CS) domain charging		6.x.y	
32.251	Packet Switched (PS) domain charging		6.x.y	
32.252	Wireless Local Area Network (WLAN) charging		1.0.0	For approval Jun 2005

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050026	32.200	029	--	Rel-5	Correction of Inter Operator Identification (IOI) Storage – Align with CN4's TS 24.229 (IP multimedia call control protocol based on SIP and Session Description Protocol (SDP); Stage 3)	F	5.7.0	S5-054183	OAM-CH
SP-050026	32.205	028	--	Rel-4	Correction to ASN.1 for data services	F	4.7.0	S5-054171	OAM-CH
SP-050026	32.205	029	--	Rel-5	Correction to ASN.1 for data services	A	5.8.0	S5-054172	OAM-CH

BB: Bearer Charging (CH-BC)



Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050027	32.215	037	--	Rel-5	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	F	5.7.0	S5-054178	OAM-CH
SP-050027	32.251	003	--	Rel-6	Conditional criteria for the presence of the External Charging ID in the G-CDR – Align with SA2's TS 23.228	A	6.1.0	S5-054179	OAM-CH
SP-050027	32.251	004	--	Rel-6	Correction of online charging terminology	F	6.1.0	S5-054173	CH
SP-050027	32.251	005	--	Rel-6	Correct support of Termination action	F	6.1.0	S5-054181	CH
SP-050027	32.251	006	--	Rel-6	Addition of online charging CCR triggers – Align with TS 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	F	6.1.0	S5-054175	CH
SP-050027	32.251	007	--	Rel-6	Correct FBC Service Data Flow (SDF) determination with charging rules to align with SA2's TS 23.125 and CN3's TS 29.210	F	6.1.0	S5-054176	CH
SP-050027	32.251	008	--	Rel-6	Correction of Service Data Flow (SDF) specific usage duration in flow based charging	F	6.1.0	S5-054177	CH
SP-050027	32.251	009	--	Rel-6	Correction of the description of Charging Key – Align with SA2's TS 23.125 (Overall high level functionality and architecture impacts of flow based charging; Stage 2)	F	6.1.0	S5-054180	CH

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050029	32.240	001	--	Rel-6	Correction of editorial errors and misalignments	F	6.0.0	S5-054159	CH
SP-050029	32.240	002	--	Rel-6	Error corrections & clarifications	F	6.0.0	S5-054160	CH
SP-050029	32.240	003	--	Rel-6	Correction of Credit Pooling for online charging	F	6.0.0	S5-054161	CH
SP-050029	32.240	004	--	Rel-6	Correction of the concept of Termination action	B	6.0.0	S5-054162	CH

BB: IMS Charging (CH-IC, IMS2-CH)



Unique_ID	Name	Acronym	WID (URL)	
35018	Charging Management for the IMS	IMS2-CH	SP-030049	
35032	IMS charging	IMS2-CH		
SA Tdoc#	Title	Type	WI	Doc for
SP-050030	CR 32225-260-299 IMS charging - Diameter charging applications	CR	CH-IC	Approval
Spec	Title	Rel-5	Rel-6	Note
32.260	IP Multimedia Subsystem (IMS) charging		6.x.y	
32.299	Diameter charging applications		6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050030	32.225	032	--	Rel-5	Correction of missing Service Specific Data AVP (Attribute Value Pair)	F	5.7.0	S5-054184	OAM-CH
SP-050030	32.260	001	--	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	A	6.0.0	S5-054185	OAM-CH
SP-050030	32.299	006	--	Rel-6	Correction of missing Service Specific Data AVP (Attribute Value Pair)	A	6.1.0	S5-054195	OAM-CH
SP-050030	32.225	033	--	Rel-5	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs – Align with SA2's TS 23.228	F	5.7.0	S5-054186	OAM-CH
SP-050030	32.260	002	--	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the IMS CDRs - Align with SA2's TS 23.228	A	6.0.0	S5-054198	OAM-CH
SP-050030	32.299	007	--	Rel-6	Correction of criteria for the presence of the GPRS charging ID in the Diameter Accounting messages - Align with SA2's TS 23.228	A	6.1.0	S5-054199	OAM-CH
SP-050030	32.260	003	--	Rel-6	Correction of table 5.1: "addition of reporting of 2xx/3xx events"	F	6.0.0	S5-054191	CH
SP-050030	32.299	008	--	Rel-6	Correct the description of Charging Key	F	6.1.0	S5-054187	CH
SP-050030	32.299	009	--	Rel-6	Correction of Termination action	B	6.1.0	S5-054188	CH
SP-050030	32.299	010	--	Rel-6	Correction of missing Quota-Consumption-Time	F	6.1.0	S5-054189	CH
SP-050030	32.299	011	--	Rel-6	Correction of cause code for 2xx events	F	6.1.0	S5-054192	CH
SP-050030	32.299	012	--	Rel-6	Correction of missing cause code to distinguishing deregistration charging event	F	6.1.0	S5-054193	CH
SP-050030	32.299	013	--	Rel-6	Correction to Session Charging with Unit Reservation (SCUR)	F	6.1.0	S5-054194	CH
SP-050030	32.299	014	--	Rel-6	Correction to Server-Capabilities AVP	F	6.1.0	S5-054196	CH
SP-050030	32.299	015	--	Rel-6	Correction on Tariff Switch handling	F	6.1.0	S5-054197	CH

BB: Service Charging

(CH-SC, MMS6-CH, LCS-CH, PoC-CH, MBMS-CH)



35019	Charging Management for the Service domain	CH	SP-040778	
35034	MMS charging	MMS6-CH		
35035	LCS charging	LCS2-CH		
35036	PoC charging	PoC-CH		
35038	MBMS charging	MBMS-CH	SP-040779	
SA Tdoc#	Title	Type	WI	Doc for
SP-050031	CR 32270 MMS charging	CR	CH-SC	Approval
SP-050032	WID on Rel-6 WT on PoC Charging	WID	CH-SC	Approval
SP-050033	Rel-6 TS 32272-100 PoC Charging - for SA Information	TS	CH-SC	Information
SP-050034	Rel-6 TS 32273-100 MBMS Charging - for SA Information	TS	CH-SC	Information
Spec	Title	Rel-5	Rel-6	Note
32.270	Multimedia Messaging Service (MMS) charging		6.x.y	
32.271	Location Services (LCS) charging		6.x.y	
32.272	Push-to-talk over Cellular (PoC) charging		1.0.0	For approval Jun 2005
32.273	MBMS charging		1.0.0	For approval Jun 2005

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050031	32.270	004	--	Rel-6	Align MM10 charging functionality with T2's TS 23.140	F	6.1.0	S5-054165	CH
SP-050031	32.270	005	--	Rel-6	Charge MMS VASP for getting Terminal Capabilities information - Align with T2's TS 23.140	F	6.1.0	S5-054166	CH
SP-050031	32.270	006	--	Rel-6	Correct condition for generating a MM Deletion CDR - Align with T2's TS 23.140	F	6.1.0	S5-054167	CH
SP-050031	32.270	007	--	Rel-6	Extension of the charging functionality for MM cancellation and replacement Align with T2's TS 23.140	F	6.1.0	S5-054168	CH

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050035	CR 32302-3-4 CM Notification IRP, 32323 Test management IRP CORBA SS	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.301	CM; Notification IRP Requirements	5.x.y	6.x.y	
32.302	CM; Notification IRP Information Service (IS)	5.x.y	6.x.y	
32.303	CM; Notification IRP CORBA SS	5.x.y	6.x.y	
32.304	CM; Notification IRP CMIP SS	5.x.y	6.x.y	
32.323	Test management IRP CORBA SS	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050035	32.302	008	--	Rel-6	Apply Generic System Context	F	6.1.0	S5-056031	OAM-NIM
SP-050035	32.303	014	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.2.0	S5-056073	OAM-NIM
SP-050035	32.304	009	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.0.0	S5-056074	OAM-NIM
SP-050035	32.323	003	--	Rel-6	IDL incompliant to the style guide	F	6.1.0	S5-056065	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT08: Log Management IRP			
SA Tdoc#	Title	Type	WI	Doc for
SP-050036	Rel-6 TS 32333-100 Notification Log IRP CORBA SS - for SA Approval	TS	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.331	Notification Log IRP Requirements	n.a.	6.x.y	
32.332	Notification Log IRP Information Service (IS)	n.a.	6.x.y	
32.333	Notification Log IRP CORBA SS	n.a.	1.0.0	For approval Mar 2005
32.334	Notification Log IRP CMIP SS	n.a.	6.x.y	
32.335	Notification Log IRP XML definitions	n.a.	1.x.y	For approval Jun 2005

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT07: Generic File Transfer IRP			
SA Tdoc#	Title	Type	WI	Doc for
SP-050037	CR 32341-3 Notification Log (NL) IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.341	File Transfer (FT) IRP Requirements	n.a.	6.x.y	
32.342	File Transfer (FT) IRP Information Service (IS)	n.a.	6.x.y	
32.343	File Transfer (FT) IRP CORBA SS	n.a.	6.x.y	
32.344	File Transfer (FT) IRP CMIP SS	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050037	32.341	001	--	Rel-6	Add file type requirements - Align with FTIRP IS in TS 32.342	F	6.0.0	S5-056085	OAM-NIM
SP-050037	32.343	002	--	Rel-6	IDL incompliant to the style guide	F	6.1.0	S5-056066	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT02: Communication Surveillance			
SA Tdoc#	Title	Type	WI	Doc for
SP-050038	CR 32352-3 Communication Surveillance (CS) IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.351	Communication Surveillance (CS) IRP Requirements	n.a.	6.x.y	
32.352	Communication Surveillance (CS) IRP Information Service (IS)	n.a.	6.x.y	
32.353	Communication Surveillance (CS) IRP CORBA SS	n.a.	6.x.y	
32.354	Communication Surveillance (CS) IRP CMIP SS	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050038	32.352	001	--	Rel-6	Apply Generic System Context – Align with TS 32.150	F	6.0.0	S5-056088	OAM-NIM
SP-050038	32.353	002	--	Rel-6	Apply Generic System Context – Align with TS 32.352	F	6.1.0	S5-056091	OAM-NIM
SP-050038	32.353	002	--	Rel-6	IDL incompliant to the style guide	F	6.1.0	S5-056067	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT03: Entry Point			
SA Tdoc#	Title	Type	WI	Doc for
SP-050039	CR 32363 Entry Point (EP) IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.361	Entry Point (EP) IRP Requirements	n.a.	6.x.y	
32.362	Entry Point (EP) IRP Information Service (IS)	n.a.	6.x.y	
32.363	Entry Point (EP) IRP CORBA SS	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050039	32.363	003	--	Rel-6	IDL incompliant to the style guide	F	6.2.0	S5-056068	OAM-NIM
SP-050039	32.363	004	--	Rel-6	Align EPIRPSystem IDL structure with TS 32.150	F	6.2.0	S5-056045	OAM-NIM

BB: Performance Management (OAM-PM)



Unique_ID	Name	Acronym	WID (URL)	
35012	Performance Management	OAM-PM	SP-040782	
SA Tdoc#	Title	Type	WI	Doc for
SP-050040	CR 32401-403-432 Performance Management (PM)	CR	OAM-PM	Approval
SP-050041	CR 32412-3 Performance Management (PM) IRP	CR	OAM-PM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.401	Performance Management (PM); Concept and requirements	5.x.y	6.x.y	
52.402	Performance Management (PM); Performance measurements - GSM	5.x.y	6.x.y	
32.403	PM; Performance measurements - UMTS and combined UMTS/GSM	5.x.y	6.x.y	
32.411	Performance Management (PM) IRP Requirements	n.a.	6.x.y	
32.412	Performance Management (PM) IRP Information Service (IS)	n.a.	6.x.y	
32.413	Performance Management (PM) IRP CORBA SS	n.a.	6.x.y	
32.414	Performance Management (PM) IRP CMIP SS	n.a.	6.x.y	
32.432	Performance measurement collection IRP Information Service (IS)	n.a.	6.x.y	
32.435	Performance measurement: XML file format definition	n.a.	6.x.y	
32.436	Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050040	32.401	023	--	Rel-5	Resolve ambiguity in the format for timestamps in PM files	F	5.4.0	S5-058132	OAM-PM
SP-050040	32.432	001	--	Rel-6	Resolve ambiguity in the format for timestamps in PM files	A	6.0.0	S5-058133	OAM-PM
SP-050040	32.403	057	--	Rel-4	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	F	4.9.0	S5-058142	OAM-PM
SP-050040	32.403	058	--	Rel-5	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	A	5.9.0	S5-058143	OAM-PM
SP-050040	32.403	059	--	Rel-6	Correction of measurements on Number of GTP data packets sent and received on the Gn interface	A	6.6.0	S5-058144	OAM-PM
SP-050040	32.403	060	--	Rel-6	Add measurements on Number of GTP data packets sent and received on the Gn interface, from SGSN to SGSN	B	6.6.0	S5-058145	OAM-PM

BB: Performance Management (OAM-PM)



Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050041	32.412	009	--	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP	F	6.3.0	S5-056086	OAM-PM
SP-050041	32.413	006	--	Rel-6	Remove the ambiguity that a PM IRP compliant system necessarily contains functionalities defined in Kernel CM IRP – Align with TS 32.412	F	6.3.0	S5-056087	OAM-PM
SP-050041	32.412	010	--	Rel-6	Apply the Generic System Context – Align with TS 32.150	F	6.3.0	S5-056089	OAM-NIM
SP-050041	32.413	007	--	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.412	F	6.3.0	S5-056092	OAM-NIM
SP-050041	32.413	005	--	Rel-6	IDL incompliant to the style guide	F	6.3.0	S5-056069	OAM-NIM

BB: Subscriber and Equipment Trace Management (OAM-Trace)



Unique_ID	Name	Acronym	WID (URL)	
35015	Trace Management	OAM-Trace	SP-040769	
SA Tdoc#	Title	Type	WI	Doc for
SP-050042	WID Rel-7 OAM-Trace	WID	OAM-Trace	Approval
SP-050043	CR 32421-2-3 Subscriber and equipment trace	CR	OAM-Trace	Approval
Spec	Title	Rel-5	Rel-6	Note
32.421	Subscriber and equipment trace; Trace concepts and requirements	n.a.	6.x.y	
32.422	Subscriber and equipment trace; Trace control and Configuration Management (CM)	n.a.	6.x.y	
32.423	Subscriber and equipment trace; Trace data definition and management	n.a.	6.x.y	
52.008	GSM subscriber and equipment trace	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050043	32.421	007	--	Rel-6	Remove ambiguity on the file format for trace data at the Network Elemets (NEs)	F	6.5.0	S5-058148	OAM-Trace
SP-050043	32.421	008	--	Rel-6	Correction to the Scope	F	6.5.0	S5-058153	OAM-Trace
SP-050043	32.421	009	--	Rel-6	Correct the list of interfaces trace parameter – Align with 32.422 and 32.423	F	6.5.0	S5-058175	OAM-Trace
SP-050043	32.422	003	--	Rel-6	Clarification on starting/stopping a Trace Recording Session in an RNC	F	6.1.0	S5-058155	OAM-Trace
SP-050043	32.422	004	--	Rel-6	Removal of Vendor Specific (VS) extensions from Trace control and configuration parameters	F	6.1.0	S5-058176	OAM-Trace
SP-050043	32.422	005	--	Rel-6	Correct the list of interfaces trace parameter	F	6.1.0	S5-058177	OAM-Trace
SP-050043	32.422	006	--	Rel-6	Clarify the Trace Session activation in CS/PS domain for SBA and MBA cases	F	6.1.0	S5-058178	OAM-Trace
SP-050043	32.423	001	--	Rel-6	Add missing Media GateWay (MGW) trace record for the Nb-UP and lu-UP interfaces	F	6.0.0	S5-058179	OAM-Trace

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050044	CR 32602-3-4 Basic Configuration Management (CM) IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.601	CM; Basic CM IRP Requirements	5.x.y	6.x.y	
32.602	CM; Basic CM IRP Information Service (SS)	5.x.y	6.x.y	
32.603	CM; Basic CM IRP CORBA SS	5.x.y	6.x.y	
32.604	CM; Basic CM Integration Reference Point (IRP) CMIP SS	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050044	32.602	008	--	Rel-6	Apply Generic System Context	F	6.0.0	S5-056032	OAM-NIM
SP-050044	32.603	017	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.2.0	S5-056075	OAM-NIM
SP-050044	32.604	005	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.0.0	S5-056076	OAM-NIM
SP-050044	32.603	016	--	Rel-6	IDL incompliant to the style guide	F	6.2.0	S5-056070	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050045	CR 32612-3-4-5 Bulk Configuration Management (CM) IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.611	CM; Bulk CM IRP Requirements	5.x.y	6.x.y	
32.612	CM; Bulk CM IRP Information Service (IS)	5.x.y	6.x.y	
32.613	CM; Bulk CM IRP CORBA SS	5.x.y	6.x.y	
32.614	CM; Bulk CM IRP CMIP SS	5.x.y	6.x.y	
32.615	CM; Bulk CM IRP XML file format definition	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050045	32.612	013	--	Rel-6	Apply Generic System Context	F	6.1.0	S5-056033	OAM-NIM
SP-050045	32.613	014	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.1.0	S5-056077	OAM-NIM
SP-050045	32.614	005	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.0.1	S5-056078	OAM-NIM
SP-050045	32.615	019	--	Rel-6	Generic System Context, update of reference to IS specification	F	6.1.0	S5-056079	OAM-NIM
SP-050045	32.612	014	--	Rel-6	Add missing reference to TS 32.712 Transport Network NRM	F	6.1.0	S5-056035	OAM-NIM
SP-050045	32.612	015	--	Rel-6	Correct Annex B text style to comply with drafting rules	F	6.1.0	S5-056063	OAM-NIM
SP-050045	32.613	013	--	Rel-6	IDL incompliant to the style guide	F	6.1.0	S5-056071	OAM-NIM
SP-050045	32.615	020	--	Rel-6	Add Inventory Management NRM IRP in BulkCM IRP XML FFD	F	6.1.0	S5-058141	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050046	CR 32622-3-5 Configuration Management (CM) Generic network resources IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.621	CM; Generic network resources IRP Requirements	5.x.y	6.x.y	
32.622	CM; Generic network resources IRP NRM	5.x.y	6.x.y	
32.623	CM; Generic network resources IRP CORBA SS	5.x.y	6.x.y	
32.624	CM; Generic network resources: IRP CMIP SS	5.x.y	6.x.y	
32.625	CM; Generic network resources IRP Bulk CM XML file format definition	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050046	32.625	015	--	Rel-5	Error corrections to genericNRM.xsd	F	5.4.0	S5-058170	OAM-NIM
SP-050046	32.625	016	--	Rel-6	Error corrections to genericNRM.xsd	A	6.3.0	S5-058171	OAM-NIM
SP-050046	32.622	022	--	Rel-6	Add Link class to generic NRM Information Service	B	6.2.0	S5-058165	OAM-NIM
SP-050046	32.623	015	--	Rel-6	Add Link to generic NRM CORBA SS	B	6.3.0	S5-058164	OAM-NIM
SP-050046	32.625	014	--	Rel-6	Add genericNRM.xsd for new IMS Links	B	6.3.0	S5-058168	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050047	CR 32632-3-4-5 Configuration Management (CM) Core Network Resources IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.631	CM; Core network resources IRP Requirements	5.x.y	6.x.y	
32.632	CM; Core Network Resources IRP NRM	5.x.y	6.x.y	
32.633	CM; Core network resources IRP CORBA solution set	5.x.y	6.x.y	
32.634	CM; Core network resources IRP CMIP solution set	5.x.y	6.x.y	
32.635	CM; Core network resources IRP Bulk CM XML file format definition	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050047	32.632	014	--	Rel-5	Align with 32.642, with regards to ExternalRncFunction	F	5.6.0	S5-058119	OAM-NIM
SP-050047	32.634	008	--	Rel-5	Align with 32.632, with regards to ExternalRncFunction	F	5.3.0	S5-058123	OAM-NIM
SP-050047	32.632	015	--	Rel-5	Align with 32.102, regarding the IS template and UML repertoire	F	5.6.0	S5-058120	OAM-NIM
SP-050047	32.632	016	--	Rel-6	Align with 32.151 and 32.152, regarding the IS template and UML repertoire	A	6.1.0	S5-058125	OAM-NIM
SP-050047	32.633	009	--	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	F	5.2.0	S5-058121	OAM-NIM
SP-050047	32.633	010	--	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	A	6.1.0	S5-058126	OAM-NIM
SP-050047	32.634	007	--	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	F	5.3.0	S5-058122	OAM-NIM
SP-050047	32.634	009	--	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	A	6.0.0	S5-058127	OAM-NIM
SP-050047	32.635	009	--	Rel-5	Align with 32.632, regarding the IS template and UML repertoire	F	5.4.0	S5-058124	OAM-NIM
SP-050047	32.635	010	--	Rel-6	Align with 32.632, regarding the IS template and UML repertoire	A	6.1.0	S5-058128	OAM-NIM
SP-050047	32.633	011	--	Rel-5	Correct List of Long Attributes	F	5.2.0	S5-058117	OAM-NIM
SP-050047	32.633	012	--	Rel-6	Correct List of Long Attributes	A	6.1.0	S5-058070	OAM-NIM
SP-050047	32.632	017	--	Rel-6	Add IMS Links to CN NRM Information Service	B	6.1.0	S5-058163	OAM-NIM
SP-050047	32.633	013	--	Rel-6	Add IMS links to CN NRM CORBA SS	B	6.1.0	S5-058166	OAM-NIM
SP-050047	32.634	010	--	Rel-6	Add the IMS objects - Align with 32.632 Configuration Management (CM); Core Network Resources IRP NRM	F	6.0.0	S5-058134	OAM-NIM
SP-050047	32.635	012	--	Rel-5	Correction to SgsnFunction XML and correct IS reference	F	5.4.0	S5-058086	OAM-NIM
SP-050047	32.635	013	--	Rel-6	Correction to SgsnFunction XML, correct IS reference and Editorial corrections	A	6.1.0	S5-058085	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
35023	OAM&P (inpacts from RET)	RANimp-TiltAnt-OAM		
	WTRET: Remote Control of Electrical Tilting Antennas			
SA Tdoc#	Title	Type	WI	Doc for
SP-050048	CR 32642-3-4-5 UTRAN network resources IRP 32804 RET antennas Requirements	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.641	CM; UTRAN network resources IRP Requirements	5.x.y	6.x.y	
32.642	CM; UTRAN network resources IRP NRM	5.x.y	6.x.y	
32.643	CM; UTRAN network resources IRP CORBA SS	5.x.y	6.x.y	
32.644	CM; UTRAN network resources IRP CMIP SS	5.x.y	6.x.y	
32.645	CM; UTRAN network resources IRP Bulk CM XML file format definition	5.x.y	6.x.y	
32.804	Control of Remote Electrical Tilting (RET) antennas; Requirements	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050048	32.642	030	--	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	F	4.4.0	S5-058107	OAM-CM
SP-050048	32.642	031	--	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	A	5.5.0	S5-058109	OAM-CM
SP-050048	32.642	032	--	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	A	6.3.0	S5-058110	OAM-CM
SP-050048	32.643	019	--	Rel-4	Align with SA2's 23.221, for allowing only CS CN in a PLMN	F	4.3.0	S5-058108	OAM-CM
SP-050048	32.643	020	--	Rel-5	Align with SA2's 23.221, for allowing only CS CN in a PLMN	A	5.4.0	S5-058111	OAM-CM
SP-050048	32.643	021	--	Rel-6	Align with SA2's 23.221, for allowing only CS CN in a PLMN	A	6.3.0	S5-058112	OAM-CM
SP-050048	32.642	033	--	Rel-6	Add missing definition of IOC ExternalRncFunction	F	6.3.0	S5-058136	OAM-NIM
SP-050048	32.643	022	--	Rel-6	Add missing definition of IOC ExternalRncFunction	F	6.3.0	S5-058138	OAM-NIM
SP-050048	32.645	020	--	Rel-6	Add missing definition of IOC ExternalRncFunction	F	6.2.0	S5-058137	OAM-NIM
SP-050048	32.642	034	--	Rel-6	Amendments to UTRAN NRM for RET	F	6.3.0	S5-058161	OAM-NIM
SP-050048	32.643	023	--	Rel-6	Corrections to UTRAN NRM CORBA Solutions set mapping errors	F	6.3.0	S5-058160	OAM-NIM
SP-050048	32.644	016	--	Rel-6	Add RET support – Align with 32.642 Configuration Management UTRAN network resources IRP NRM	F	6.0.0	S5-058135	OAM-NIM
SP-050048	32.645	019	--	Rel-6	RET corrections to utranNRM.xsd	F	6.2.0	S5-058115	OAM-NIM
SP-050048	32.804	001	--	Rel-6	Remove irrelevant requirements to RET	F	6.0.0	S5-049000	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050049	CR 32300 Name convention for Managed Objects	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.300	CM; Name convention for Managed Objects	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050049	32.300	004	--	Rel-6	Re-introduce text erroneously deleted during implementation of CR 003	F	6.0.0	S5-058035	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
SA Tdoc#	Title	Type	WI	Doc for
SP-050050	CR 32663 Configuration Management (CM) Kernel CM IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.661	CM; Kernel CM; Requirements	5.x.y	6.x.y	
32.662	CM; Kernel CM; Information service (IS)	5.x.y	6.x.y	
32.663	CM; Kernel CM IRP CORBA SS	5.x.y	6.x.y	
32.664	CM; Kernel CM IRP CMIP SS	5.x.y	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050050	32.663	012	--	Rel-6	IDL incompliant to the style guide	F	6.3.0	S5-056072	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT10: State Management Enhancements (NRM)			
	WT10: State Mgmt Enhancement, Interface IRP part			
SA Tdoc#	Title	Type	WI	Doc for
SP-050051	CR 32672-3 Configuration Management (CM) State Management IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.671	CM; State Management IRP Requirements	5.x.y	6.x.y	
32.672	CM; State Management IRP Information Service (IS)	5.x.y	6.x.y	
32.673	CM; State Management IRP CORBA SS	5.x.y	6.x.y	
32.674	CM; State Management IRP CMIP SS	5.x.y	6.x.y	
32.675	CM; State Management IRP CMIP SS XML file format definition	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050051	32.672	001	--	Rel-6	Remove the irrelevant clause 4	F	6.0.0	S5-056090	OAM-NIM
SP-050051	32.673	005	--	Rel-6	Apply the Generic System Context, update of reference to IS specification – Align with TS 32.672	F	6.1.0	S5-056093	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM)



Unique_ID	Name	Acronym	WID (URL)	
35014	Network Infrastructure Management	OAM-NIM	SP-040789	
	WT13: ATM-UTRAN Interface Management			
	WT16: TDD & FDD UTRAN NRM Enhancements			
SA Tdoc#	Title	Type	WI	Doc for
SP-050052	CR 32715 Configuration Management (CM) Transport Network (TN) NRM IRP	CR	OAM-NIM	Approval
Spec	Title	Rel-5	Rel-6	Note
32.711	Transport Network (TN) NRM IRP Requirements	n.a.	6.x.y	
32.712	Transport Network (TN) NRM IRP Information Service (IS)	n.a.	6.x.y	
32.713	Transport Network (TN) NRM IRP CORBA SS	n.a.	6.x.y	
32.714	Transport Network (TN) NRM IRP CMIP SS	n.a.	6.x.y	
32.715	Transport Network (TN) NRM IRP XML file format definition	n.a.	6.x.y	

Doc-1st-Level	Spec	CR	R	Phase	Subject	Ca	VerCr	Doc-2nd-Level	Workitem
SP-050052	32.715	001	--	Rel-6	"Unbounded" is not a valid value for "maxInclusive" for type Integer - Correction of XML schema	F	6.0.0	S5-047054	OAM-NIM

The End
See you next time !