

TSGS#24(04)0268

Meeting #24 Seoul, KOREA, 07 - 10 June 2004



TSG-SA WG5 (Telecom Management) Status Report

Reported by

Michael TRUSS
TSG-SA WG5 Chair

Agenda Item: 7.5.1

Document for: Information

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3GPP SA5 Officers

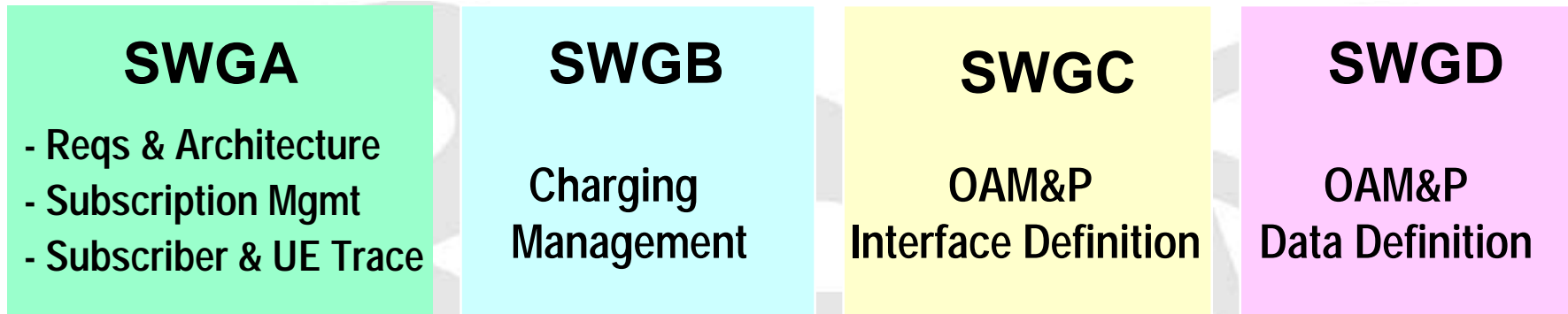


OAM&P (Operations, Administration, Maintenance & Provisioning)

- **Chair**
Michael TRUSS (Motorola Ltd/ ETSI) – since 04/2002
(Re-elected for a 2nd term at SA5#37bis, March 2004)
- **Vice Chairs**
Dr Li Yewen (China Mobile/CCSA) – since 07/2003
Christian TOCHE (Nortel Networks/ ETSI) – since 04/2002
(Re-elected for a 2nd term at SA5#37bis, March 2004)
- **MCC Support: Adrian ZOICAS (MCC) – since 01/2000**

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SA5's Sub-WG Structure



SWG Officials - see next slides

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SA5's Sub-WG structure (1/4)



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

- **István ABA (T-Mobile Austria) – Chair**
- **Tommy BERGGREN (TeliaSonera) – Vice Chair**
- **Kari RÖNKÄ (Nokia) – Vice Chair**

Liaison: ITU-T SG4 (Architecture / Conformance),
T2 & CN4 (GUP/Subscription Management),
TMF (MMC, Mobile Management Team, MTEM),
CN1/4 , RAN 2/3, GERAN (Trace).

SA5's Sub-WG structure (2/4)



SWGB Charging Management

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

Liaison:

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

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SA5's Sub-WG structure (3/4)

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SWG C OAM&P Interface Definition

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

Liaison:

ITU-T SG 4 (CORBA, tML/XML, IS Methodology, UML),
T1M1 (CORBA, tML),
3GPP2 (Delta Specification to 3GPP SA5 OAM&P TSs).

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SA5's Sub-WG structure (4/4)



SWG D OAM&P Data Definition

- Christian TOCHE (Nortel Networks) – Chair
- Ulf HUBINETTE (Ericsson) – Vice Chair
- Olaf POLLAKOWSKI (Siemens) – Vice Chair

Liaison:

ITU-T SG4 (IMT2000 Management),
TMF (Wireless Service Measurement Team),
RAN3 (Remote Electrical Tilting (RET) Antenna),
3GPP2 (XML Reconciliation, NRMs, Performance measurements)

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Meetings held



SA5 #37bis

Sophia Antipolis, FRANCE, 29 Mar –2 Apr 2004, hosted by ETSI

- Attended by 43 delegates
- Report in S5-040300

SA5 #38

Beijing, CHINA, 10-14 May 2004, hosted by CATT (China Academy of Telecommunications Technology) / Datang Mobile Telecommunication Equipment Co. Ltd

- Attended by 60 delegates
- Draft report in S5-040313

Inter-Organizational Co-operation with:



ITU-T SG4 & T1M1 on CORBA framework, IS Methodology, UML and XML/tML standardization

- **Discussions in progress on IRP IS Template & UML Repertoire:**
 - ITU-T SG4 are using 3GPP **32.150/1/2** material in M.3020 status document.

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)", which also documents some exception areas as well as providing specifications for cdma2000 Network Resource Models.**

IETF AAA Working Group

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

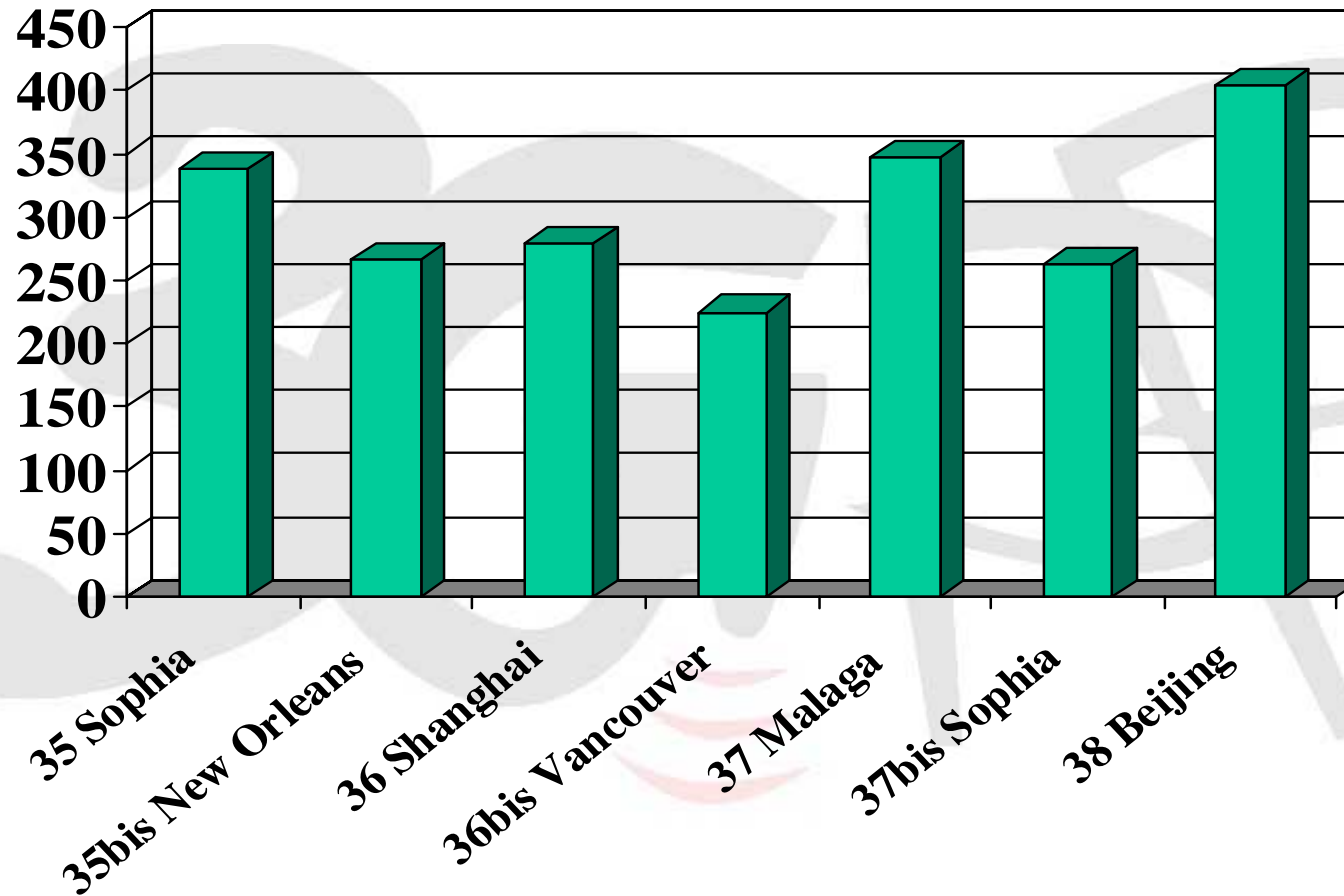
OMA Mobile Commerce & Charging (MCC) Working Group

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

TMF on 3G-mobile Management standards

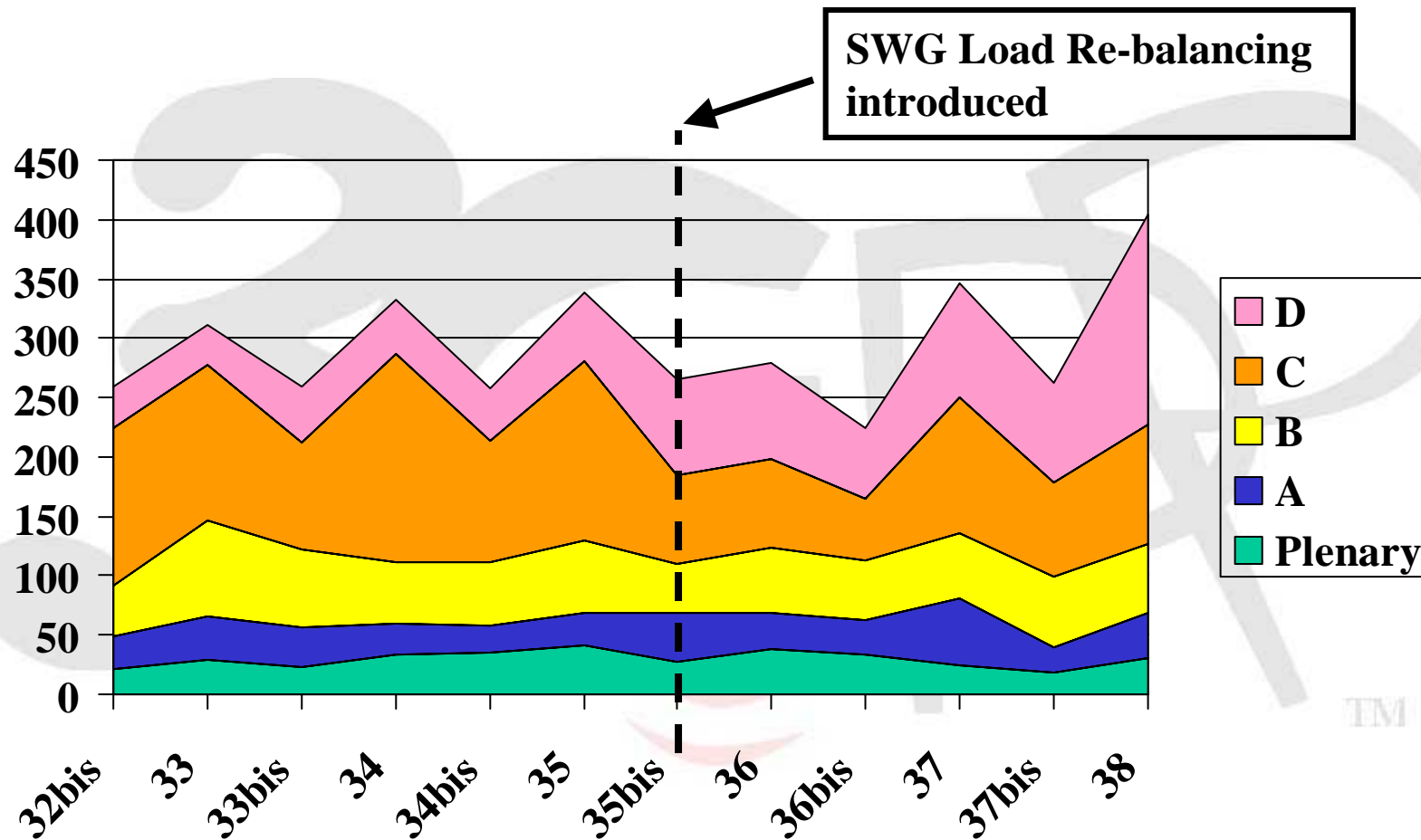
- **ongoing with Wireless Service Measurement Team on BB OAM-PM.**

SA5 Documents



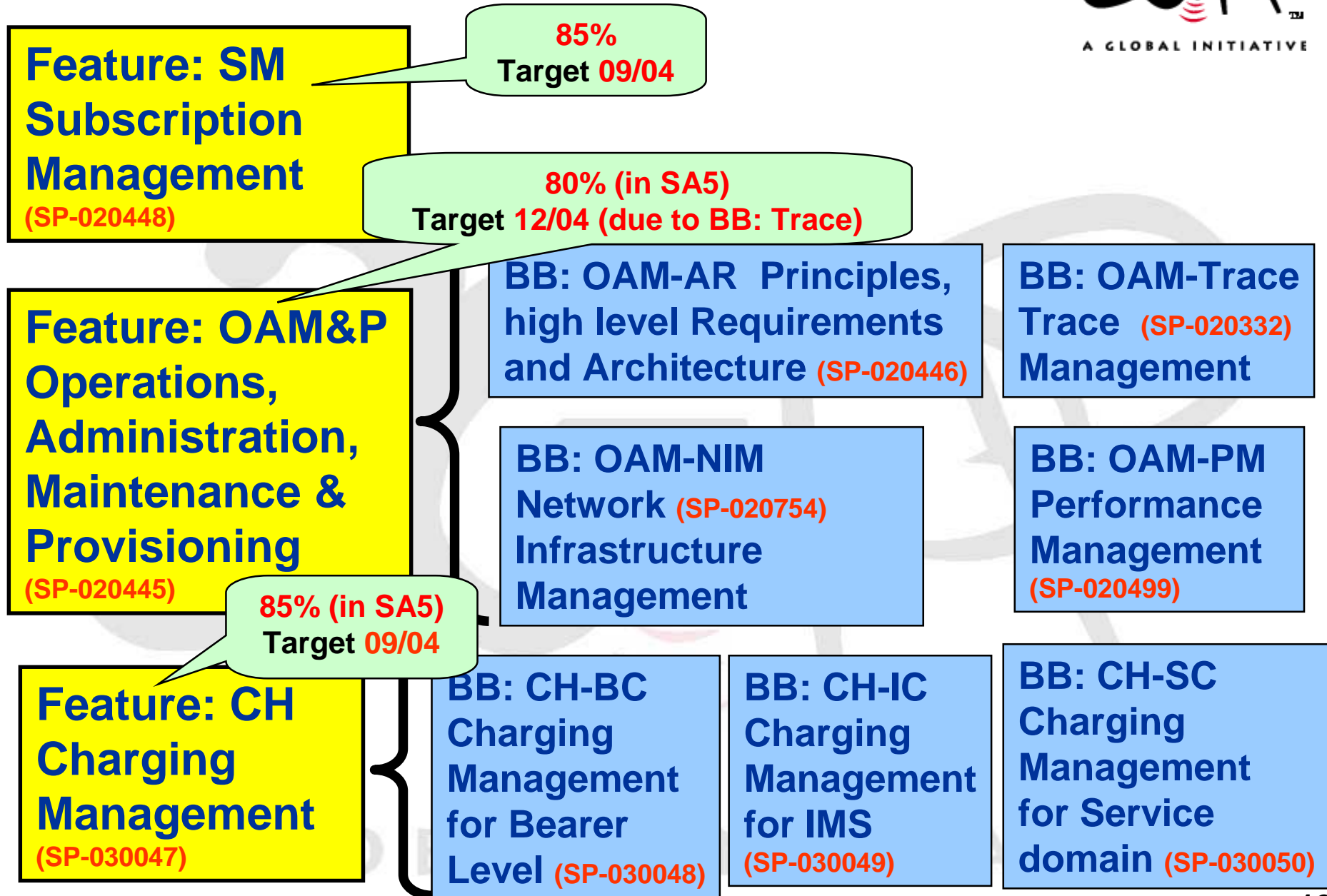
Data Source: 3GPP website, working group meeting/ document directories

Tdocs per SA5 SWG 2003/2004



Data Source: 3GPP website, working group meeting/ document directories

SA5 Telecom Management Rel-6 Status overview



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



TSG Approval target remains **09/2004**

- 32.140 SuM Requirements – SA Approved
- 32.141 SuM Architecture – SA Approved

For SA#24 Approval:

- **32.171** SuM resources IRP: Requirements

Target SA#25 Approval **09/2004** for:

- 32.172-100 SuM resources IRP: Network Resources Model
- 32.173 SuM NRM IRP: xxx Solution Set
- 32.803-100 Process Guide; Use Cases in UML

Status of Rel-6 Feature OAM&P (1/4): OAM-AR



SA5 Rel-6 BB: Principles, high level Requirements & Architecture

TSG Approval target remains 06/2004 (i.e. BB completed at SA#24)

- **NO new Rel-6 functionality to be added to 32.101 and 32.102 after SA#24 in order to allow SA5 to meet the Rel-6 functional freeze at SA#25 (Sep 2004).**
- **WLAN inter-working nodes have been added to 32.102 (Telecom Management architecture) and this will require corresponding updates to some NRM (32.6x2) specs from SA5 SWGD.**

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Status of Rel-6 Feature OAM&P (2/4): OAM-NIM



SA5 Rel-6 BB: Network Infrastructure Management

TSG Approval target remains **09/2004**

- **3 New TS for SA Approval:**
 - **TS 32.352-200** Communication Surveillance IRP: Information Service
 - **TS 32.353-100** Communication Surveillance IRP: CORBA Solution Set
 - **TS 32.342-200** File Transfer (FT) IRP: Information Service (IS)
- **3 New TS/TR for SA Information:**
 - **32.741-100** Signalling Transport Network interface NRM IRP: Requirements
 - **32.742-100** Signalling Transport Network interface NRM IRP: Information Service
 - **32.804-100** Control of Remote Electrical Tilting (RET) antennas; Requirements
- **Automatic upgrade to Rel-6 (no CR needed):**
 - **32.691** Inventory Management (IM) network resources IRP: Requirements
- **Pending items:**
 - Security Management, Log Management IRP, State Management, Inventory Management, ATM-UTRAN Interface Management

Status of Rel-6 Feature OAM&P (3a/4): OAM-PM



SA5 Rel-6 BB: Performance Management (PM)

TSG Approval target remains 09/2004

- Following the **introduction of PM IRP in Rel-6**, a basic SA5 agreement resulted for a New TS structure for the PM TSs **from Rel-6 onwards**.
Rationale:
 - Consistency with other SA5 32-series specifications
 - Alignment with IRP methodology
 - Alignment of IRP Requirements with IRP Information Service
 - New 32.43x-series on Performance Measurement Collection IRP
 - See for details the next slide, please
- **1 New TS for SA Information**
 - **32.431-100** Performance measurement collection IRP: Requirements

Status of Rel-6 Feature

OAM&P (3b/4): OAM-PM



Proposal for New TS structure from Rel-6 onwards for the PM specifications

32.400 – Performance Management Concepts (based on clause 4 of 32.401)	NEW
32.401 – Performance Management Concepts and Requirements (clause 5 and annexes moved to 32.411, 32.431/2/3/4)	DISCONTINUED
52.402 – Performance Measurements – GSM	UNCHANGED
<u>32.403 – Performance Measurements – UMTS and Combined GSM/UMTS</u>	<u>UNCHANGED</u>
32.411 – Performance Measurement Administration IRP: Requirements (addition of the relevant text from 32.401 clause 5)	UPDATED
32.412 – Performance Measurement Administration IRP: Information Service (unchanged except TS title)	UPDATED
32.413 – Performance Measurement Administration IRP: CORBA Solution Set (unchanged except TS title)	UPDATED
32.414 – Performance Measurement Administration IRP: CMIP Solution Set (change TS title in Specification Database)	NOT existing YET
<hr/>	
32.431 – Performance Measurement Collection IRP: Requirements (addition of relevant text from 32.401 clause 5)	NEW
32.432 – Performance Measurement Collection IRP: Information Service (addition of relevant text from 32.401 annexes)	NEW
32.433 – Performance Measurement Collection IRP: XML File Format Definition (addition of relevant text from 32.401 annexes)	NEW
32.434 – Performance Measurement Collection IRP: ASN.1 File Format Definition (addition of relevant text from 32.401 annexes)	NEW

Status of Rel-6 Feature OAM&P (4/4): OAM-Trace



SA5 Rel-6 BB: Subscriber and Equipment Trace Management

TSG Approval target delayed from **09/2004** to from **12/2004**

- **32.421** Trace concepts and requirements – SA Approved

Target SA Approval **09/2004** for:

- **32.422-100** Trace control and Configuration Management:
 - Further information awaited from RAN3, CN1 and CN4 concerning the implementation of Trace Stage 3 in their specifications.
 - Agreement at SA5#38 to exclude GERAN from Rel-6 32.42x-series means that GSM Trace TS **52.008** needs to be finalised within Rel-6 (SA Approval 12/2004)

Target SA Information **09/2004** & SA Approval **12/2004** for:

- **32.423** Trace data definition and management
- **52.008** GSM subscriber and equipment trace

Status of Rel-6 Charging Management



TSG Approval target remains **09/2004**

- Progress made in determining which services are going to be specified in 3GPP Rel-6 or OMA (e.g. Presence, Messaging, PoC). Some stability of Stage 1/2 descriptions of these services is required in order for SA5 to produce tangible results.

OMA - Push to Talk over Cellular (PoC), Mobile-Commerce & Charging (MCC) WG co-operation

- Based on an LS from OMA PoC, SA5 has replied to OMA MCC & PoC see: **SP-040236** SA5 proposes to OMA MCC to co-operate in the charging area and outlined the possibility of OMA re-using the charging TS-structure of 3GPP. In order to demonstrate the approach, a straw-man TS for PoC charging has been produced and made available to the OMA WGs see: **32.272-002** Push-to-talk over Cellular (PoC) charging – **draft TS available**.
- OMA MCC delegates expressed an interest in SA5 SWGB further progressing this specification, therefore a joint session of the two groups is planned at OMA meeting #12.

CN4 - Diameter codes and identifiers

- **SP-040237** LS on Assignment of the Diameter codes and identifiers

SA5 Meetings 2004 (8 SA5 meetings/year)

Meeting	Date	Location	Host	Note
SA5#36bis	12-16 Jan 2004	Vancouver, CANADA	NAF	No MCC support
SA5#37	23-27 Feb 2004	Malaga, SPAIN	EF3	
TSG#23	10-17 Mar 2004	Phoenix, USA	NAF	
SA5#37bis	29 March – 02 April 2004	Sophia Antipolis, FRANCE	ETSI	No MCC support guaranteed
SA5#38	10-14 May 2004	Beijing, CHINA	Datang Mobile	
TSG#24	02-09 Jun 2004	KOREA	TTA	
SA5#38bis	28 June – 02 Jul 2004	Sophia Antipolis, FRANCE	ETSI	No MCC support guaranteed
SA5#39	16-20 Aug 2004	Montreal, CANADA	NAF	
TSG#25	08-15 Sep 2004	Palm Springs, USA	NAF	
SA5#39bis SWGA,C,D	27 Sep – 01 Oct 2004	Sophia Antipolis, FRANCE	ETSI	No MCC support guaranteed
SA5#39bis (SWGB)	27 Sep – 01 Oct 2004	Orlando, FL, USA (co-located with OMA MCC; Mobile Commerce & Charging group)	Delegate funded	No MCC support
SA5#40	15-19 Nov 2004	Sanya, CHINA	China Mobile	
TSG#26	08-15 Dec 2004	Athens, GREECE	EF3	

SA5 Meetings 2005 *(target 6 SA5 meetings/year)* ITU-T SG4 missing

Meeting	Date	Location	Host	Note
3GPP2	10-14 Jan 2005	Vancouver, Canada		
SA5#41 Option A	24-28 Jan 2005	Europe	EF3 ??	Either Option A or B will be chosen.
SA5#41 Option B	21-25 Feb 2005	Europe	EF3 ??	
OMA	31 Jan – 04 Feb 2005			
3GPP2	14-18 Feb 2005	Japan		
TSG#26	09-17 Mar 2005			
3GPP2	14-18 Mar 2005	NA		Clash with SA5 Option A
SA5#41bis Option	14-18 Mar 2005	Sophia Antipolis	ETSI ??	The same option as SA5 #41 will be chosen.
SA5#41bis Option	04-08 Apr 2005	Sophia Antipolis	ETSI ??	
OMA	11-15 Apr 2005			
3GPP2	18-22 Apr 2005	NA		
SA5#42	09-13 May 2005	NA	NAF ??	
3GPP2	16-20 May 2005	NA		
TSG#27	01-09 Jun 2005			
OMA	13-17 Jun 2005			
3GPP2	20-24 June 2005	South Korea		
SA5#42bis	27 June – 01 Jul	Sophia Antipolis	ETSI ??	
3GPP2	18-22 July 2005	NA		
OMA	22-26 Aug 2005			Clash with SA5 Option C
SA5#43 Option C	22-26 Aug 2005	China ??	??	The same option as TSG#28 will be chosen.
SA5#43 Option D	29 Aug -02 Sep 2005	China ??	??	
3GPP2	26-30 Sep 2005	NA		
TSG#28 Option C	08-15 Sep 2005			Option C or D will be by TSG SA.
TSG#28 Option D	21-29 Sep 2005			
OMA	17-21 Oct 2005			
3GPP2	24-28 Oct 2005	China		
SA5#44	07-11 Nov 2005	NA or Europe ??	EF3 or NAF	
3GPP2	05-09 Dec 2005	NA		
OMA	12-16 Dec 2005			
TSG#29	08-15 Dec 2005			

Abbreviations commonly used in SA5



AVP	Attribute Value Pair		
BS	Billing System		
CDR	Charging Data Record	DN	Distinguished Name
CM	Configuration Management		
CMIP	Common Management Information Protocol		
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		
SS	Solution Set		
TM	Telecom Management		
TMF	TeleManagement Forum		
TMN	Telecommunications Management Network (ITU-T)		
TOM	Telecom Operations Map (TMF)		
UML	Unified Modelling Language	XML	eXtensible Mark-up Language

***Documents and issues for
discussion, information
and approval***

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SA5 Documents provided to this Plenary

SP-040236	LS (from SA WG5) on Push to Talk over Cellular (PoC) Charging Architecture
SP-040237	LS (from SA WG5) on Assignment of the Diameter codes and identifiers
SP-040238	TS 32.171-200 Subscription Management (SuM) Network Resource Model (NRM) IRP; Requirements - for SA Approval
SP-040239	2 Rel-6 CR 32.101 (Telecommunication management; Principles and high level requirements)
SP-040240	Rel-6 CR 32.102 (Telecommunication management; Architecture)
SP-040241	Rel-4 CR 32.111-2 (Fault Management; Alarm IRP IS)
SP-040242	Rel-6 CR 32.152 (IRP IS UML repertoire)
SP-040243	3 Rel-5 CR 32.322/3/4 (Test management IRP IS, CORBA and CMIP SSs)
SP-040244	TS 32.342-200 File Transfer (FT) Integration Reference Point (IRP): Information Service - for SA Approval
SP-040245	TS 32.352-200 Communication Surveillance (CS) Integration Reference Point (IRP): Information Service - for SA Approval
SP-040246	TS 32.353-100 Communication Surveillance (CS) Integration Reference Point (IRP): CORBA Solution Set - for SA Approval
SP-040247	Rel-6 CR 32.362 (Entry Point IRP IS)
SP-040248	Rel-6 CR 32.363 (Entry Point IRP CORBA SS)
SP-040249	2 Rel-5/6 CR 32.622 (CM Generic network resources IRP NRM)
SP-040250	2 Rel-4/5 CR 32.624 (CM Generic network resources IRP CMIP SS)
SP-040251	7 Rel-5/6 CR 32.622/3/4/5 (CM Generic network resources IRP Requirements/NRM/CORBA/CMIP)
SP-040252	Rel-5 CR 32.624 (CM Generic network resources IRP CMIP SS)
SP-040253	Rel-6 CR 32.624 (CM Generic network resources IRP CMIP SS)
SP-040254	8 Rel-5/6 CR 32.642/3/4/5, 32.615/655
SP-040255	Rel-5 CR 32.644 (CM UTRAN network resources IRP CMIP SS)
SP-040256	Rel-6 CR 32.645 (CM UTRAN network resources IRP Bulk CM XML)
SP-040257	Rel-5 CR 32.654 (CM GERAN network resources IRP CMIP SS)
SP-040258	7 Rel-4/5/6 CR 32.615/625/635/645/655 32.615 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources)
SP-040259	6 Rel-5 CR 32.615/25/35/45/55 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources)
SP-040260	2 Rel-6 CR 32.661/2 (CM Kernel CM Requirements / IS)
SP-040261	2 Rel-5/6 CR 32.663 (CM Kernel CM IRP CORBA SS)
SP-040262	TS 32.741-100 Configuration Management (CM); Signalling Transport Network (STN) interface NRM IRP; Requirements - for SA Information
SP-040263	TS 32.742-100 Configuration Management (CM); STN interface NRM IRP: Information Service - for SA Information
SP-040264	TR 32.804-100 Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements - for SA Information
SP-040265	4 Rel-99 CR 32.104 (3G Performance Management), Rel-4/5/6 CR 32.401 (PM Concept and requirements)
SP-040266	3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)
SP-040267	3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)
SP-040268	Status report of SA5 to SA #24
SP-040269	3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)
SP-040270	Rel-6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)
SP-040271	Rel-6 CR 32.411 (PM IRP Requirements)
SP-040272	2 Rel-6 CR 32.412 (PM IRP IS)
SP-040273	Rel-6 CR 32.413 (PM IRP CORBA SS)
SP-040274	TS 32.431-100 Performance measurement collection Integration Reference Point (IRP): Requirements - for SA Information
SP-040275	2 Rel-5 CR 32.200 (Charging principles), 32.205 (Charging data description for CS domain)
SP-040276	Rel-4 CR 32.215 (Charging data description for PS domain)
SP-040277	2 Rel-4/5 CR 32.215 (Charging data description for PS domain)
SP-040278	3 Rel-5 CR 32.225 (Charging data description for IMS)

Feature: Subscription Management (SuM)



For Approval

SP-040238

TS 32.171-200 Subscription Management (SuM) Network Resource Model (NRM) IRP; Requirements



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



For Approval

SP-040239 2 Rel-6 CR 32.101 (Telecommunication management; Principles and high level requirements)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ve r	Doc-2nd-Level	Workitem
SP-040239	32.101	024	-	Rel-6	Subscription Management Corrections - Align with SA5's 32.140/1	F	5.5.0	S5-042334	OAM-AR
SP-040239	32.101	025	-	Rel-6	Align with SA5 SWGC WT01 Security terminology and architecture	F	5.5.0	S5-042336	OAM-AR

SP-040240 Rel-6 CR 32.102 (Telecommunication management; Architecture)

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
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BB: Network Infrastructure Management

(OAM-NIM) 1/11



For Approval

SP-040241 Rel-4 CR 32.111-2 (Fault Management; Alarm IRP IS)

SP-040241	32.11 1-2	03 0	-	Re 1-4	Incorrect alarm interface class diagram	F	4.6 .0	S5- 046490	OAM- FM
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SP-040242 Rel-6 CR 32.152 (IRP IS UML repertoire)

SP-040242	32.15 2	00 1	-	Re 1-6	UML Repertoire Updates (Associations)	C	6.0 .0	S5- 046485	OAM- NIM
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SP-040243 3 Rel-5 CR 32.322/3/4 (Test management IRP IS, CORBA and CMIP SSSs)

Doc-1st-Level	Spec	C R	R	Ph as e	Subject	C at	Ver	Doc-2nd-Level	Workite m	Relation ship
SP-040243	32.32 2	0 0	-	Re 1-5	Add missing parameter to the operation initiateTests	F	5.0.1	S5- 046370	OAM- NIM	Parent
SP-040243	32.32 3	0 0	-	Re 1-5	Add missing parameter to the operation initiateTests	F	5.0.1	S5- 046156	OAM- NIM	Child
SP-040243	32.32 4	0 0	-	Re 1-5	Add missing parameter to the operation initiateTests	F	5.0.1	S5- 046371	OAM- NIM	Child

BB: Network Infrastructure Management (OAM-NIM) 2/11

For Approval



SP-040244 TS 32.342-200 File Transfer (FT) Integration Reference Point (IRP): Information Service

SP-040245 TS 32.352-200 Communication Surveillance (CS) Integration Reference Point (IRP): Information Service

SP-040246 TS 32.353-100 Communication Surveillance (CS) Integration Reference Point (IRP): CORBA Solution Set

SP-040247 Rel-6 CR 32.362 (Entry Point IRP IS)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ver	Doc-2nd-Level	Workitem
SP-040247	32.362	002	-	Rel-6	Correct and clarify semantics of notification parameters and notification table	F	6.1.0	S5-046491	OAM-NIM

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BB: Network Infrastructure Management

(OAM-NIM) 3/11



For Approval

SP-040248 Rel-6 CR 32.363 (Entry Point IRP CORBA SS)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ve r	Doc-2nd-Level	Workitem
SP-040248	32.363	001	-	Rel-6	Clarification of return value of getIRPReference and Correction of Distinguished Name (DN) and IDL errors	F	6.00	S5-046496	OAM-NIM

SP-040249 2 Rel-5/6 CR 32.622 (CM Generic network resources IRP NRM)

SP-040249	32.622	015	-	Rel-5	Add missing attribute constraints for dnPrefix	F	5.30	S5-048427	OAM-NIM
SP-040249	32.622	016	-	Rel-6	Add missing attribute constraints for dnPrefix	A	6.10	S5-048428	OAM-NIM

SP-040250 2 Rel-4/5 CR 32.624 (CM Generic network resources IRP CMIP SS)

SP-040250	32.624	016	-	Rel-4	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	F	4.50	S5-048425	OAM-CM
SP-040250	32.624	017	-	Rel-5	Add missing capability for instances of a subclassed MOC subNetwork to contain itself – Align with the IS 32.622	A	5.30	S5-048449	OAM-CM

BB: Network Infrastructure Management

(OAM-NIM) 4/11

For Approval



SP-040251 7 Rel-5/6 CR 32.622/3/4/5 (CM Generic network resources IRP Requirements/NRM/CORBA/CMIP)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ver	Doc-2nd-Level	Workitem	Relationship
SP-040251	32.622	017	-	Rel-5	Correction of legal values for managedElementType attribute	F	5.3.0	S5-048450	OAM-NIM	Parent
SP-040251	32.622	018	-	Rel-6	Correction of legal values for managedElementType attribute	A	6.1.0	S5-048451	OAM-NIM	Parent
SP-040251	32.623	010	-	Rel-5	Correction of legal values for managedElementType attribute	F	5.2.0	S5-048452	OAM-NIM	Child
SP-040251	32.623	011	-	Rel-6	Correction of legal values for managedElementType attribute	A	6.1.0	S5-048453	OAM-NIM	Child
SP-040251	32.624	018	-	Rel-5	Correction of legal values for managedElementType attribute	F	5.3.0	S5-048454	OAM-NIM	Child
SP-040251	32.625	010	-	Rel-5	Correction of legal values for managedElementType attribute	F	5.2.0	S5-048455	OAM-NIM	Child
SP-040251	32.625	011	-	Rel-6	Correction of legal values for managedElementType attribute	A	6.1.0	S5-048456	OAM-NIM	Child

BB: Network Infrastructure Management (OAM-NIM) 5/11

For Approval



SP-040252 Rel-5 CR 32.624 (CM Generic network resources IRP CMIP SS)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ve r	Doc-2nd-Level	Workitem
SP-040252	32.624	014	-	Rel-5	Add missing mappings for the attributes of the managementScope association – Align with the IS 32.622	F	5.3.0	S5-048383	OAM-NIM

SP-040253 Rel-6 CR 32.624 (CM Generic network resources IRP CMIP SS)

SP-040253	32.624	015	-	Rel-6	Add the attribute SetOfMcc to the MOC SubNetwork -Align with IS 32.622	B	5.3.0	S5-048384	OAM-NIM
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BB: Network Infrastructure Management

(OAM-NIM) 6/11



For Approval

SP-040254 8 Rel-5/6 CR 32.642/3/4/5 (CM UTRAN network resources IRP Requirements/NRM/CORBA/CMIP), 32.615/655 (XML for Bulk CM IRP/GERAN network resources)

SP-040254	32.64 2	0 2 0	-	Re 1-5	Correction of the supported UMTS frequencies	F	5. 3. 0	S5- 048440	OAM- NIM	Parent
SP-040254	32.64 2	0 2 1	-	Re 1-6	Correction of the supported UMTS frequencies	A	6. 0. 0	S5- 048474	OAM- NIM	Parent
SP-040254	32.64 3	0 0 8	-	Re 1-5	The specification does not support all UMTS frequency bands	F	5. 2. 0	S5- 048441	OAM- NIM	Child
SP-040254	32.64 3	0 0 9	-	Re 1-6	The specification does not support all UMTS frequency bands	A	6. 0. 0	S5- 048447	OAM- NIM	Child
SP-040254	32.64 4	0 1 3	-	Re 1-5	The specification does not support all UMTS frequency bands	F	5. 4. 0	S5- 048442	OAM- NIM	Child
SP-040254	32.64 5	0 1 0	-	Re 1-5	The specification does not support all UMTS frequency bands	F	5. 4. 0	S5- 048443	OAM- NIM	Child
SP-040254	32.61 5	0 1 7	-	Re 1-5	The specification does not support all UMTS frequency bands	F	5. 4. 0	S5- 048445	OAM- NIM	Child
SP-040254	32.65 5	0 0 9	-	Re 1-5	The specification does not support all UMTS frequency bands	F	5. 4. 0	S5- 048444	OAM- NIM	Child

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SP-040255 Rel-5 CR 32.644 (CM UTRAN network resources IRP CMIP SS)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ve r	Doc-2nd-Level	Workite m
SP-040255	32.644	012	-	Rel-5	Correction of type of the attributes cId, localCellId and rncId	F	5.4.0	S5-048426	OAM-NIM

SP-040256 Rel-6 CR 32.645 (CM UTRAN network resources IRP Bulk CM XML)

SP-040256	32.645	011	-	Rel-6	Add XML definitions for support of TDD modes	B	5.4.0	S5-048473	OAM-NIM
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SP-040257 Rel-5 CR 32.654 (CM GERAN network resources IRP CMIP SS)

SP-040257	32.654	009	-	Rel-5	Correction of the type of the plmnPermittdd attribute	F	5.3.0	S5-048430	OAM-NIM
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(OAM-NIM) 8/11



For Approval

SP-040258

7 Rel-4/5/6 CR 32.615/625/635/645/655 32.615 (XML for Bulk CM IRP/Generic/Core/UTRAN/GERAN network resources)

Doc-1st-Level	Spec	CR	R	Phase	Subject	Category	Version	Doc-2nd-Level	Workitem	Relation
SP-040258	32.615	015	-	Rel-4	Correction of the annex related to XML schema electronic files publication	F	4.4.0	S5-048432	OAM-CM	Sibling
SP-040258	32.615	016	-	Rel-5	Correction of the annex related to XML schema electronic files publication	A	5.4.0	S5-048433	OAM-CM	Sibling
SP-040258	32.625	008	-	Rel-5	Correction of the annex related to XML schema electronic files publication	F	5.2.0	S5-048434	OAM-NIM	Sibling
SP-040258	32.625	009	-	Rel-6	Correction of the annex related to XML schema electronic files publication	A	6.1.0	S5-048435	OAM-NIM	Sibling
SP-040258	32.635	005	-	Rel-5	Correction of the annex related to XML schema electronic files publication	F	5.2.0	S5-048436	OAM-NIM	Sibling
SP-040258	32.645	009	-	Rel-5	Correction of the annex related to XML schema electronic files publication	F	5.4.0	S5-048437	OAM-NIM	Sibling
SP-040258	32.655	008	-	Rel-5	Correction of the annex related to XML schema electronic files publication	F	5.4.0	S5-048438	OAM-NIM	Sibling

BB: Network Infrastructure Management

(OAM-NIM) 9/11



For Approval

SP-040259

**6 Rel-5 CR 32.615/25/35/45/55 (XML for Bulk CM
IRP/Generic/Core/UTRAN/GERAN network resources)**

Doc-1st-Level	Spec	C R	R	Phase	Subject	Cat	Ver	Doc-2nd-Level	Workitem	Relation
SP-040259	32.615	014	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048413	OAM-NIM	Sibling
SP-040259	32.625	006	-	Rel-5	Removal of XML schema URI dependencies	F	5.2.0	S5-048414	OAM-NIM	Sibling
SP-040259	32.625	007	-	Rel-6	Removal of XML schema URI dependencies	A	6.1.0	S5-048415	OAM-NIM	Sibling
SP-040259	32.635	004	-	Rel-5	Removal of XML schema URI dependencies	F	5.2.0	S5-048416	OAM-NIM	Sibling
SP-040259	32.645	008	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048417	OAM-NIM	Sibling
SP-040259	32.655	007	-	Rel-5	Removal of XML schema URI dependencies	F	5.4.0	S5-048418	OAM-NIM	Sibling

BB: Network Infrastructure Management (OAM-NIM) 10/11 For Approval



SP-040260 2 Rel-6 CR 32.661/2 (CM Kernel CM Requirements / IS)

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Ver	Doc-2nd-Level	Workitem	Relation
SP-040260	32.661	003	-	Rel-6	Add State Management Support to Kernel CM IRP Requirements	B	6.00	S5-046437	OAM-NIM	Parent
SP-040260	32.662	006	-	Rel-6	Add State Management Support to Kernel CM IRP IS 32.622	B	6.20	S5-046489	OAM-NIM	Child

SP-040261 2 Rel-5/6 CR 32.663 (CM Kernel CM IRP CORBA SS)

SP-040261	32.663	003	-	Rel-5	Add Missing CorrelatedNotificationSetType definition		F	5.10	S5-046497	OAM-NIM
SP-040261	32.663	004	-	Rel-6	Add Missing CorrelatedNotificationSetType definition		A	6.00	S5-046498	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM) 11/11



For Information

- SP-040262** TS 32.741-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements
- SP-040263** TS 32.742-100 Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service
- SP-040264** TR 32.804-100 Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements

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BB: Performance Management (OAM-PM)



For Approval

SP-040265

4 Rel-99 CR 32.104 (3G Performance Management), Rel-4/5/6 CR 32.401 (PM Concept and requirements)

SP-040265	32.104	013	-	R99	Correction in requirement for granularity periods	F	3.7.0	S5-048353	OAM-PM
SP-040265	32.401	013	-	Rel-4	Correction in requirement for granularity periods	A	4.3.0	S5-048350	OAM-PM
SP-040265	32.401	014	-	Rel-5	Correction in requirement for granularity periods	A	5.2.0	S5-048351	OAM-PM
SP-040265	32.401	015	-	Rel-6	Correction in requirement for granularity periods	A	6.1.0	S5-048352	OAM-PM

SP-040266

3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)

SP-040266	32.403	030	-	Rel-4	Correction of "Inter-RAT handover" measurements	F	4.6.0	S5-048462	OAM-PM
SP-040266	32.403	031	-	Rel-5	Correction of "Inter-RAT handover" measurements	A	5.6.0	S5-048463	OAM-PM
SP-040266	32.403	032	-	Rel-6	Correction of "Inter-RAT handover" measurements	A	6.3.0	S5-048464	OAM-PM

BB: Performance Management (OAM-PM)



For Approval

SP-040267

3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)

SP-040267	32.403	033	-	Rel-4	Correction of “RAB assignment” measurements	F	4.6.0	S5-048465	OAM-PM
SP-040267	32.403	034	-	Rel-5	Correction of “RAB assignment” measurements	A	5.6.0	S5-048466	OAM-PM
SP-040267	32.403	035	-	Rel-6	Correction of “RAB assignment” measurements	A	6.3.0	S5-048476	OAM-PM

SP-040269

3 Rel-4/5/6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)

SP-040269	32.403	036	-	Rel-4	Correction of “hard handover” measurement definitions	F	4.6.0	S5-048468	OAM-PM
SP-040269	32.403	037	-	Rel-5	Correction of “hard handover” measurement definitions	A	5.6.0	S5-048469	OAM-PM
SP-040269	32.403	038	-	Rel-6	Correction of “hard handover” measurement definitions	A	6.3.0	S5-048470	OAM-PM

BB: Performance Management (OAM-PM)



For Approval

SP-040270

Rel-6 CR 32.403 (PM Performance measurements - UMTS and combined UMTS/GSM)

SP-040270	32.403	039	-	Rel-6	Addition of the measurements about RAB modification and RAB release by CN	B	6.3.0	S5-048477	OAM-PM
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SP-040271

Rel-6 CR 32.411 (PM IRP Requirements)

SP-040271	32.411	003	-	Rel-6	Clarify threshold alarm trigger condition – Align with 32.401 and ITU-T Q.822	F	6.2.0	S5-046464	OAM-PM
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SP-040272

2 Rel-6 CR 32.412 (PM IRP IS)

SP-040272	32.412	001	-	Rel-6	Clarify and correct the specification of notifications of Monitor	F	6.0.0	S5-046495	OAM-PM
SP-040272	32.412	002	-	Rel-6	Add constraint that PM threshold hysteresis must be positive	F	6.0.0	S5-046501	OAM-PM

SP-040273

Rel-6 CR 32.413 (PM IRP CORBA SS)

SP-040273	32.413	001	-	Rel-6	Correction and enhancement of data type definitions in IDL files	F	6.0.0	S5-046499	OAM-PM
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For Information

SP-040274 TS 32.431-100 Performance measurement collection Integration
Reference Point (IRP): Requirements

Feature: Charging Management (CH) 1/2



For Approval

SP-040275 2 Rel-5 CR 32.200 (Charging principles), 32.205 (Charging data description for CS domain)

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Ver	Doc-2nd-Level	Workitem
SP-040275	32.200	028	-	Rel-5	Add missing charging principles for CAMEL CPH – Align with CN2's 24.078	F	5.6.0	S5-044349	OAM-CH
SP-040275	32.205	026	-	Rel-5	Add Charging Data Description for CAMEL CPH - Align with CN2's 24.078	F	5.6.0	S5-044348	OAM-CH

SP-040276 Rel-4 CR 32.215 (Charging data description for PS domain)

SP-040276	32.215	033	-	Rel-4	Correction of QoS information definition	F	4.7.0	S5-044354	OAM-CH
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Feature: Charging Management (CH) 2/2



For Approval

SP-040277

2 Rel-4/5 CR 32.215 (Charging data description for PS domain)

Doc-1st-Level	Spec	C R	R	Phase	Subject	C a t	Ve r	Doc-2nd-Level	Workite m
SP-040277	32.215	034	-	Rel-4	Correction to the selection and use of charging characteristics and profiles	F	4.7.0	S5-044350	OAM-CH
SP-040277	32.215	035	-	Rel-5	Correction to the selection and use of charging characteristics and profiles	A	5.5.0	S5-044351	OAM-CH

SP-040278

3 Rel-5 CR 32.225 (Charging data description for IMS)

SP-040278	32.225	026	-	Rel-5	Correction of reference to security specification	F	5.5.0	S5-044257	OAM-CH
SP-040278	32.225	027	-	Rel-5	Correction on CauseForRecordClosing	F	5.5.0	S5-044324	OAM-CH
SP-040278	32.225	028	-	Rel-5	Correction of Diameter credit control protocol reference - Align with RFC 3588	F	5.5.0	S5-044358	OAM-CH

The End

See you next time !

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