TSG-SA WG5 (Telecom Management) Status Report

Reported by

Michael TRUSS
TSG-SA WG5 Chair

Agenda Item: **7.5.1**

Document for: **Information**

3GPP SA5 Officers

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

- **Chair**

  Michael TRUSS (Motorola Ltd/ ETSI) – elected 04/2002
  (End of the 1st term. Election at SA5#37bis, March 2004)
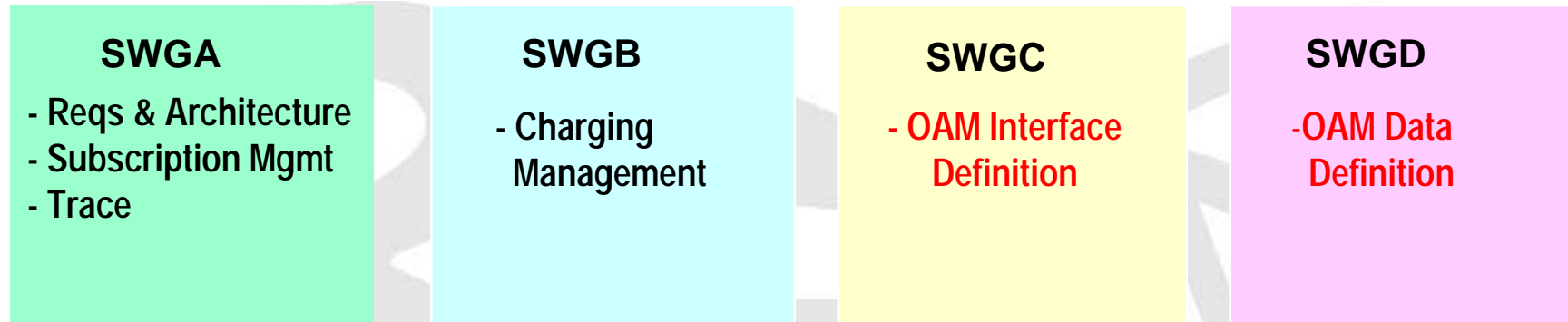
- **Vice Chairs**

  Dr Li Yewen (China Mobile/CCSA) – elected 07/2003

  Christian TOCHE (Nortel Networks/ ETSI) – elected 04/2002
  (End of the 1st term. Election at SA5#37bis, March 2004)

- **MCC Support: Adrian ZOICAS (MCC) – since 01/2000**

SA5's Sub-WG Structure

SWGA

- Reqs & Architecture
- Subscription Mgmt
- Trace

SWGB

- Charging Management

SWGC

- OAM Interface Definition

SWGD

-OAM Data Definition

SWG Officials - see next slides

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

SWGA 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).

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

SWGC OAM Interface Definition

- **Thomas TOVINGER (Ericsson)** – **Chair**

- **Joerg SCHMIDT (Motorola)** – **Vice Chair**

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

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

SWGD OAM 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).

Meetings held

SA5 #36bis

Vancouver, CANADA, 12-16 Jan 2004, hosted by NAF

- Attended by 43 delegates

SA5 #37

Malaga, SPAIN, 23-27 Feb 2004, hosted by EF3

- Attended by 51 delegates
- Draft report in S5-040113

Inter-Organizational
Co-operation with:

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

- **Discussions in progress on IRP IS Template & UML Repertoire:**
  - ITU-T SG4 are using 3GPP 32.102 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

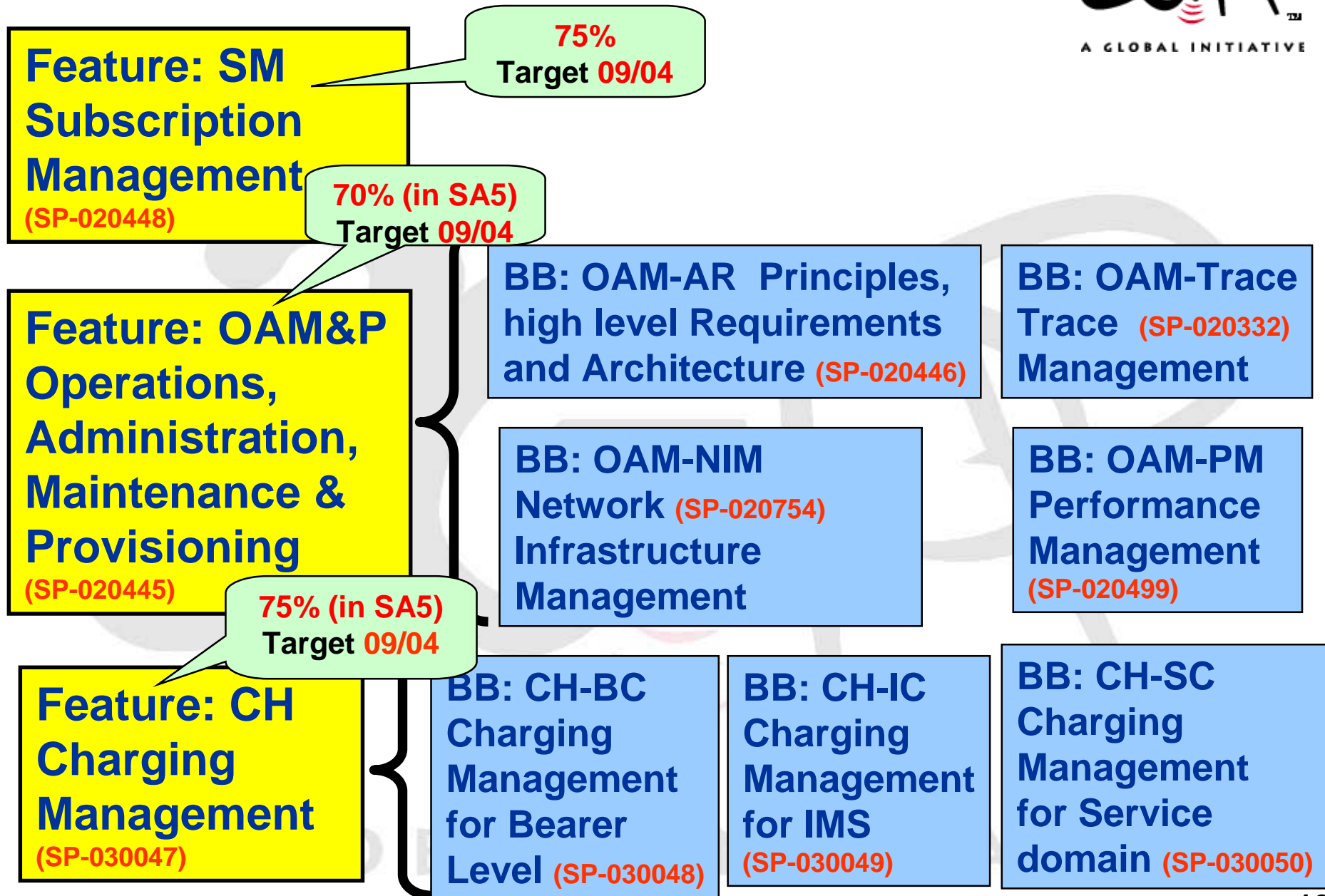- **On Diameter Credit Control application for 3GPP Online Charging.**

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.**

9

SA5 Telecom Management Rel-6 Status overview

Feature: SM Subscription Management (SP-020448)

75%
Target 09/04

Feature: OAM&P Operations, Administration, Maintenance & Provisioning (SP-020445)

70% (in SA5)
Target 09/04

BB: OAM-AR Principles, high level Requirements and Architecture (SP-020446)

BB: OAM-Trace Trace (SP-020332) **Management**

BB: OAM-NIM Network (SP-020754) **Infrastructure Management**

BB: OAM-PM Performance Management (SP-020499)

Feature: CH Charging Management (SP-030047)

75% (in SA5)
Target 09/04

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-030050)

Status of Rel-6 Feature: Subscription Management

- **TSG Approval target delayed from 06/2004 to 09/2004**

- **32.140/32.141 SuM Requirements/Architecture – SA Approved**
- **32.171/2 (SuM resources IRP: Requirements / Network Resources Model).**
  - SA Approval 03/2004 not met (Reason: unclear Stage 3 candidate for 32.173).
- **32.173 Protocols (IRP Solution Set) – SA Approval target delayed to 09/2004.**
  GUP Stage 3 (provided it will be delivered on time) may be used for SuM IRP SSs.

- **Use Cases (UC) for SuM**
  - **Good progress => incorporating by CR the UCs in 32.140 & got a solid foundation for developing the Interface and NRM IRPs.**
  - **Completed UC methodology and moved it from 32.140 into**
    1 new TR for SA#23 Information:
    - **32.803 Process Guide; Use Cases in Unified Modelling Language (UML)**

- **Pending items:**
  - **WT01: IRP Network Resource Model**   **25%**
  - **WT06: TS 23.008 investigation**   **10%**
  - **WT07: GSM 12.02 investigation**   **10%**
  - **WT10: Investigate MMS for subscription data**   **0%**
  - **WT13: Interface IRP**   **20%**
  - **WT14: Investigate GUP for re-use as SuM Solution Set   50%**

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

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

- **TSG Approval target delayed remains 06/2004**
- **3 New TSs for SA Approval:**

    - **32.150-200 Integration Reference Point (IRP) Concept and definitions**
    - **32.151-200 IRP Information Service (IS) template**
    - **32.152-200 IRP IS Unified Modelling Language (UML) repertoire"**

- **Pending items:**
    - **WT02: Subscription Management (Service Operations Mgmt Framework)   20%**
    - **WT03:   Management of Service Specific Entities   25%**
    - **WT06:   Impact of Emergency Call Enhancements   40%**
    - **WT10: Impact of WLAN Interworking   10%**

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

SA5 Rel-6 BB: Network Infrastructure Management

- **TSG Approval target delayed from 06/2004 to 09/2004**
- **3 New TSs for SA Approval:**
  - **32.331-200** Notification log IRP Requirements
  - **32.341-200** File Transfer (FT) IRP Requirements
  - **32.351-200** Communication Surveillance (CS) IRP Requirements

- **2 New TSs for SA Information:**
  - **32.332-100** Notification log IRP Information Service
  - **32.343-100** File Transfer (FT) IRP CORBA Solution Set (SS)
  - **32.371-100** Security Management Concept and Requirements

- **Pending items:**
  - WT01 Security Management   25%
  - WT08 Log Management IRP   55%
  - WT09 Backward Compatibility   45%
  - WT10 State Management Enhancements   0%
  - WT11 Inventory Management   55%
  - WT12: General NRM Enhancements   50%
  - WT13: ATM-UTRAN Interface Management   45%
  - WT14: XML Reconciliation   30%
  - NEW WT- Remote Electrical Tilting (RET) Antenna   5%

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

SA5 Rel-6 BB: Performance Management (PM)

- **TSG Approval target delayed from 06/2004 to 09/2004**
- **32.411/2 PM IRP Requirements/ Information Service – SA Approved**

- **1 New TS for SA Approval** (although presented for the 1st time to SA):
    - **32.413-200 PM IRP CORBA Solution Set**

- **Pending items:**
    - **WTP4 - PM File Format enhancements   40%**
    - **WTP5 - Measurement Job Administration   60%**
    - **WTP6 - Performance Threshold Management   30%**

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 06/2004 to 09/2004**

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

- **1 New TS for SA Information:**
    - **32.422-100 Trace control and Configuration Management:**
        - **still waiting for UTRAN parts from RAN3 and CN parts from CN4/CN1.**
        - **Rel-6 inclusion of GERAN parts unclear (no SA5 contributions).**

- **52.008 GSM subscriber and equipment trace - future unclear**

- **Pending items:**
    - **WT03 Trace Data Definition and Management   50%**
    - **WT04 Trace Impacts on Network Signalling Interfaces   55%**
    - **WT05 GSM Trace   50%**

Status of Rel-6 Charging Management (1/2)

- **TSG Approval target delayed from 06/2004 to 09/2004**

- **2 New TSs for SA Approval:**
    - **32.250-200 Circuit Switched (CS) domain charging**
    - **32.297-200 Charging Data Records (CDR) file format and transfer**

- **3 New TSs for SA Information:**
    - **32.260-100 IP Multimedia Subsystem (IMS) charging**
    - **32.296-100 On-line Charging System (OCS): Applications and interfaces**
    - **32.299-100 Diameter charging application**

- **Depending on:**
    - **IETF's Diameter Credit Control application (3GPP Online Charging)**
    - **SA2 (WLAN Charging, IP Flow Based Bearer Charging)**
    - **SA1, SA2, CNx (Enhancements to IMS charging)**
    - **T2 (MMS charging)**
    - **Work split resolution 3GPP/OMA (Presence, Messaging, PoC). Stage 1&2 stability needed.**

Status of Rel-6 Charging Management (2/2)

OMA Mobile-Commerce & Charging (MCC) WG

- SA5 SWGB Chair now participates to OMA MCC & was received enthusiastically.
- Problem: all OMA meetings in 2H2004 clash with SA5 meetings.
- Investigating co-location of SA5#39bis SWGB meeting with OMA MCC.

IP Flow Based Bearer Charging

- SA5 analysed SA2's TR 23.825. Especially for GPRS, it was discussed how to add IP flow charging to the existing charging functionality in SA5 specs.
- SA2 23.125-200 Overall High Level Functionality and Architecture Impacts of Flow Based Charging (specifies the "non-charging network enhancements")
  - 23.125 is expected to be stable by June 2004
  - SA5 will analyse 23.125 for obtaining further input for the SA5 specs.

Online Charging System (OCS)

- SA#21 requested SA5 to pursue 1-of-2 options in TR 32.815-600
- SA5 conclusion at SA#23 on WT03 "Online Charging System - Rating Application":
  - The solution proposed is a unified protocol compliant with market needs. This protocol allows two solution classes to be implemented. Draft TS 32.296 is structured to support this solution)
  - The guidance from SA to specify a single solution, is observed.
- 32.296-100 OCS Applications and interfaces - for SA Information

Future SA5 Meetings

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	09-18 Mar 2004	Phoenix, USA	NAF	
SA5#37bis	29 March - 2 April 2004	SA, FRANCE	ETSI	No MCC support guaranteed
SA5#38	10-14 May 2004	Beijing, CHINA	Datang Mobile	
TSG#24	01-10 Jun 2004	Seoul, KOREA	TTA	
SA5#38bis	28 June - 2 Jul 2004	SA, FRANCE	ETSI	No MCC support guaranteed
SA5#39	16-20 Aug 2004	Montreal, CANADA	NAF	
TSG#25	07-16 Sep 2004	Palm Springs, USA	NAF	
SA5#39bis	27 Sep - 01 Oct 2004	SA, FRANCE	ETSI	No MCC support guaranteed
SA5#40	15-19 Nov 2004	Sanya, CHINA	China Mobile	
TSG#26	07-16 Dec 2004	Athens, GREECE	EF3	

NOTE:

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

19

Documents and issues for discussion, information and approval

SA5 Documents provided to this Plenary

SP-040105	Status report of SA5 to SA #23
SP-040106	LS out from SA5 to SA1, SA on Addition of Subscription Management (SuM) Definition and Abbreviation in 21.905
SP-040107	Rel-6 CR 21.905-650 (Add SuM Definition and Abbreviation)
SP-040108	2 Rel-6 CR 32.140/1 Subscription Management TS-family (32.14x and 32.17x) title alignment ('SM' becomes 'SuM' and delete 'Services operations management')
SP-040109	New Rel-6 TR 32.803-100 "Telecommunication management; Process Guide; Use Cases in Unified Modelling Language (UML)" - **For SA Information**
SP-040110	Rel-6 CR 32.140 Update the use cases in Subscription Management
SP-040111	2 Rel-4/5 CR 32.102 Correction of reference to invalid TS
SP-040112	Rel-6 CR 32.102 Deletion of clauses in 32.102 that have been moved to 32.150/1/2
SP-040113	New Rel-6 TS 32.150-200: "Telecommunication management; Integration Reference Point (IRP) Concept and definitions" - **for SA Approval**
SP-040114	New Rel-6 TS 32.151-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template" - **for SA Approval**
SP-040115	New Rel-6 TS 32.152-200: "Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire" - **for SA Approval**
SP-040116	Rel-6 CR 32.421 Correction in Trace high level architecture
SP-040117	New Rel-6 TS 32.422-100: "Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management" - **For SA Information**
SP-040118	Rel-6 CR 32.302-510 Update Notification IRP IS for new methodology
SP-040119	6 Rel-4/5 CR 32.602/612, Rel-5/6 32.662 System Context correction
SP-040120	2 Rel-6 CR 32.111-2/4 Abort GetAlarmList
SP-040121	Rel-6 CR 32.362 EP IRP IS correction
SP-040122	New Rel-6 TS 32.331-200 "Telecommunication management; Notification log Integration Reference Point (IRP): Requirements" - **For SA Approval**
SP-040123	New Rel-6 TS 32.332-100 "Telecommunication management; Notification log Integration Reference Point (IRP): Information Service (IS)" - **For SA Information**
SP-040124	New Rel-6 TS 32.341-200 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements" - **For SA Approval**
SP-040125	New Rel-6 TS 32.351-200 "Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements" - **For SA Approval**
SP-040126	New Rel-6 TS 32.371-100 "Telecommunication management; Security Management Concept and Requirements" - **For SA Information**
SP-040127	New Rel-6 TS 32.343-100 "Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)" - **For Information**
SP-040128	4 Rel-5/6 CR 32.622/623 Addition of missing attributes for the managementScope association
SP-040129	3 Rel-6 CR 32.641/2/3 Add enhancement for support of both FDD and TDD modes
SP-040130	2 Rel-5 CR 32.624/634 Alignment with the ISs 32.622/632
SP-040131	6 Rel-5 CR 32.615/25/35/45/55 & Rel-6 32.625 Addition of the capability to contain instances of VsDataContainer to some MOs - Alignment with the ISs 32.6x2
SP-040132	Rel-5 CR 32.644 Correction of OIDs for MOCs, packages, and attributes affected by the change of ura to uraList
SP-040133	R99 CR 32.104 Correction of XML Measurement Report File format example
SP-040134	3 Rel-4/5/6 CR 32.403 Radio link additions
SP-040135	Rel-6 CR 32.403 Iu connection release
SP-040136	New Rel-6 TS 32.413-200 "Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)" - **For SA Approval**
SP-040137	Rel-4 CR 32.215 Correction on SGSN PLMN identifier in G-CDR
SP-040138	Rel-5 CR 32.200 Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815
SP-040139	2 Rel-4/5 CR 32.205 Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005
SP-040140	New Rel-6 TS 32.250-200: "Telecommunication management; Charging management; Circuit Switched (CS) domain charging" - **for SA Approval**
SP-040141	New Rel-6 TS 32.296-100: "Telecommunication management; Charging management; On-line Charging System (OCS): Applications and interfaces" - **for SA Information**
SP-040142	New Rel-6 TS 32.297-200: "Telecommunication management; Charging management; Charging Data Records (CDR) file format and transfer" - **for SA Approval**
SP-040143	3 Rel-5 CR 32.225 IMS Charging
SP-040144	New Rel-6 TS 32.260-100: "Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging" - **for SA Information**
SP-040145	New Rel-6 TS 32.299-100: "Telecommunication management; Charging management; Diameter charging application" - **for SA Information**

Feature: Subscription Management (SuM)

For Information

SP-040106   **LS out from SA5 to SA1, SA on Addition of Subscription Management (SuM) Definition and Abbreviation in 21.905**

For Approval

SP-040107   **Rel-6 CR 21.905-650 (Add SuM Definition and Abbreviation)**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040107	21.905	056	-	Rel-6	Add Subscription Management (SuM) Definition and Abbreviation to SA1's 21.905 - Align with SA5's 32.140/1, 32.171/2/... & 3GPP Work Plan (WI Acronym)	F	6.5.0	S5-042112	SuM

SP-040108   **2 Rel-6 CR 32.140/1 Subscription Management TS-family (32.14x and 32.17x) title alignment**

Doc-1st-Level	Spec	CR	R	Phase	Subject	C	Vers.	Doc-2nd-Level	Work
SP-040108	32.141	001	-	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	F	6.0.0	S5-042115	SuM
SP-040108	32.140	002	-	Rel-6	Subscription Management TS-family (32.14x and 32.17x) title alignment ("SM" becomes "SuM" and delete "Services operations management")	F	6.1.0	S5-042114	SuM

For Information

SP-040109   New Rel-6 TR 32.803-100 Process Guide; Use Cases in Unified Modelling Language (UML)

For Approval

SP-040110   Rel-6 CR 32.140 Update the use cases in Subscription Management

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040110	32.140	003	-	Rel-6	Update the use cases in SuM	F	6.1.0	S5-042155	SuM

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

For Approval

SP-040111   **Rel-4/5 CR 32.102 Correction of reference to invalid TS**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040111	32.102	033	-	Rel-4	Correction of reference to invalid TS	F	4.4.0	S5-042199	OAM-AR
SP-040111	32.102	034	-	Rel-5	Correction of reference to invalid TS	A	5.5.1	S5-042119	OAM-AR

SP-040112   **Rel-6 CR 32.102 Deletion of clauses in 32.102 that have been moved to 32.150/1/2**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-Level	Workitem
SP-040112	32.102	035	-	Rel-6	Deletion of clauses in 32.102 that have been moved to new Rel-6 TSs 32.150/1/2	F	6.1.0	S5-042151	OAM-AR

SP-040113   **New Rel-6 TS 32.150-200: IRP Concept and definitions**

SP-040114   **New Rel-6 TS 32.151-200: IRP Information Service (IS) template**

SP-040115   **New Rel-6 TS 32.152-200: IRP Information Service (IS) UML repertoire**

BB: Trace Management (OAM-Trace)

For Approval

SP-040116   **Rel-6 CR 32.421 Correction in Trace high level architecture**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040116	32.421	003	-	Rel-6	Correction in Trace high level architecture	F	6.2.0	S5-042156	OAM-Trace

For Information

SP-040117   **New Rel-6 TS 32.422-100: Subscriber and equipment trace: Trace control and Configuration Management**

BB: Network Infrastructure Management (OAM-NIM) 1/6
For Approval

SP-040118   **Rel-6 CR 32.302-510 Update Notification IRP IS for new methodology**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040118	32.302	005	-	Rel-6	Update Ntf IRP IS using new Template and UML Repertoire	F	5.1.0	S5-046142	OAM-NIM

SP-040119   **6 Rel-4/5 CR 32.602/612, Rel-5/6 32.662 System Context correction**

Doc-1st-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Doc-2nd-Level	Workitem
SP-040119	32.602	006	-	Rel-4	Correction of System Context	F	4.2.0	S5-046143	OAM-CM
SP-040119	32.602	007	-	Rel-5	Correction of System Context	A	5.2.0	S5-046144	OAM-CM
SP-040119	32.612	009	-	Rel-4	Correction of System Context	F	4.5.0	S5-046145	OAM-CM
SP-040119	32.612	010	-	Rel-5	Correction of System Context	A	5.2.0	S5-046146	OAM-CM
SP-040119	32.662	004	-	Rel-5	Correction of System Context	F	5.1.0	S5-046147	OAM-NIM
SP-040119	32.662	005	-	Rel-6	Correction of System Context	A	6.1.0	S5-046148	OAM-NIM

For Approval

SP-040120 **2 Rel-6 CR 32.111-2/4 Abort GetAlarmList**

Doc-1st-Level	Spec	CR	R	Pha	Subject	C	Vers.	Doc-2nd-L	Workitem
SP-040120	32.111-2	029	-	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	B	6.0.1	S5-046153	OAM-NIM
SP-040120	32.111-4	026	-	Rel-6	Addition of a method to abort an ongoing alarm alignment process in the asynchronous mode of the operation getAlarmList	B	6.0.1	S5-046211	OAM-NIM

SP-040121 **Rel-6 CR 32.362 EP IRP IS correction**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Versi	Doc-2nd-Level	Workitem
SP-040121	32.362	001	-	Rel-6	Clarification on Entry Point (EP) Integration Reference Point (IRP) Information Service	F	6.0.0	S5-046210	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM) *3/6*

For Approval

SP-040122   New Rel-6 TS 32.331-200 Notification log IRP: Requirements

For Information

SP-040123   New Rel-6 TS 32.332-100 Notification log IRP: Information Service (IS)

For Approval

SP-040124   New Rel-6 TS 32.341-200 File Transfer (FT) IRP: Requirements

SP-040125   New Rel-6 TS 32.351-200 Communication Surveillance (CS) IRP: Requirements

For Information

SP-040126   New Rel-6 TS 32.371-100 Security Management Concept and Requirements

SP-040127   New Rel-6 TS 32.343-100 File Transfer (FT) IRP: CORBA Solution Set (SS)

For Approval

SP-040128   4 Rel-5/6 CR 32.622/623 Addition of missing attributes for the managementScope association

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-Level	Workite
SP-040128	32.622	013	-	Rel-5	Addition of missing attributes for the managementScope association	F	5.2.0	S5-048129	OAM-NIM
SP-040128	32.622	014	-	Rel-6	Addition of missing attributes for the managementScope association	A	6.0.0	S5-048130	OAM-NIM
SP-040128	32.623	008	-	Rel-5	Addition/correction of attributes for the managementScope association- Alignment with 32.623	F	5.1.0	S5-048131	OAM-NIM
SP-040128	32.623	009	-	Rel-6	Addition/correction of attributes for the managementScope association - Alignment with 32.623	A	6.0.0	S5-048132	OAM-NIM

SP-040129   3 Rel-6 CR 32.641/2/3 Add enhancement for support of both FDD and TDD modes

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040129	32.641	002	-	Rel-6	Add enhancement for support of both FDD and TDD modes	B	5.0.0	S5-038682	OAM-NIM
SP-040129	32.642	019	-	Rel-6	Addition of new attributes for support of both FDD and TDD modes	B	5.3.0	S5-048179	OAM-NIM
SP-040129	32.643	007	-	Rel-6	Enhancement of CORBA SS for support of both FDD and TDD modes	B	5.2.0	S5-048180	OAM-NIM

For Approval

SP-040130   2 Rel-5 CR 32.624/634 Alignment with the ISs 32.622/632

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-Lev	Workitem
SP-040130	32.624	013	-	Rel-5	Correction of OIDs and alignment of notification support with the IS 32.623	F	5.2.0	S5-048181	OAM-NIM
SP-040130	32.634	004	-	Rel-5	Removal of the attribute uraList from the MOC MscServerFunction – Alignment with the IS 32.632	F	5.1.0	S5-048148	OAM-NIM

SP-040131   6 Rel-5 CR 32.615/25/35/45/55 & Rel-6 32.625 Addition of the capability to contain instances of VsDataContainer to some MOs - Alignment with the ISs 32.6x2

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Versi.	Doc-2nd-Lev	Workitem
SP-040131	32.625	004	-	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.622	F	5.1.2	S5-048182	OAM-NIM
SP-040131	32.625	005	-	Rel-6	Add the capability to contain instances of VsDataContainer to some MOs - Align with IS 32.622	A	6.0.0	S5-048183	OAM-NIM
SP-040131	32.635	003	-	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.632	F	5.1.1	S5-048165	OAM-NIM
SP-040131	32.645	007	-	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.642	F	5.3.0	S5-048184	OAM-NIM
SP-040131	32.655	006	-	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.652	F	5.3.0	S5-048185	OAM-NIM
SP-040131	32.615	013	-	Rel-5	Add the capability to contain instances of VsDataContainer to some MOs - Align with the IS 32.612	F	5.3.0	S5-048187	OAM-NIM

BB: Network Infrastructure Management (OAM-NIM) 6/6

For Approval

SP-040132   **Rel-5 CR 32.644 Correction of OIDs for MOCs, packages, and attributes affected by the change of ura to uraList**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-Level	Workitem
SP-040132	32.644	011	-	Rel-5	Correction of OIDs of the MOCs, packages and attributes affected by the change from ura to uraList	F	5.3.0	S5-048192	OAM-NIM

List of Rel-5 TSs for "automatic" (no CR) upgrade to Rel-6:

32.301, 32.303, 32.304, 32.311, 32.312, 32.321,
32.600, 32.601, 32.602, 32.603, 32.604,
32.611, 32.612, 32.613, 32.614,
32.671, 32.672, 32.673, 32.674.

Withdraw in the Specs Database the never existing Drafts:

12.13   **Maintenance of the Mobile-services Switching Centre**
12.14   **Maintenance of Location Registers**

BB: Performance Management (OAM-PM)

For Approval

SP-040133   **R99 CR 32.104 Correction of XML Measurement Report File format example**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-Level	WI
SP-040133	32.104	012	-	R99	Correction of XML Measurement Report File format example	F	3.6.0	S5-048059	PM

SP-040134   **3 Rel-4/5/6 CR 32.403 Radio link additions**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040134	32.403	026	-	Rel-4	Correction of "Radio link addition" measurements	F	4.5.0	S5-048188	OAM-PM
SP-040134	32.403	027	-	Rel-5	Correction of "Radio link addition" measurements	A	5.5.0	S5-048189	OAM-PM
SP-040134	32.403	028	-	Rel-6	Correction of "Radio link addition" measurements	A	6.2.0	S5-048190	OAM-PM

BB: Performance Management (OAM-PM)

For Approval

SP-040135   **Rel-6 CR 32.403 Iu connection release**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040135	32.403	029	-	Rel-6	Add the measurements about Iu connection release	B	6.2.0	S5-048191	OAM-PM

SP-040136   **New Rel-6 TS 32.413-200 Performance Management (PM) IRP: CORBA Solution Set (SS)**

- **Although presented NOW for the 1st time to SA, SA5 asks SA#23 to approve draft TS 32.413 and place it under Change Control (CR-regime)**

Feature: Charging Management (CH) 1/3

For Approval

SP-040137   Rel-4 CR 32.215 Correction on SGSN PLMN identifier in G-CDR

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040137	32.215	032	-	Rel-4	Correction on SGSN PLMN identifier in G-CDR	F	4.6.0	S5-044043	OAM-CH

SP-040138   Rel-5 CR 32.200 Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040138	32.200	027	-	Rel-5	Fill-in the empty clauses with SA5-reviewed material from SA2's TR 23.815	F	5.5.0	S5-044109	OAM-CH

SP-040139   2 Rel-4/5 CR 32.205 Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005

Doc-1st-Le	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040139	32.205	024	-	Rel-4	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	F	4.6.0	S5-044110	OAM-CH
SP-040139	32.205	025	-	Rel-5	Correction to ASN.1 Charging Data Record (CDR) - Alignment with R99 32.005	A	5.5.0	S5-044111	OAM-CH

Feature: Charging Management (CH) 2/3

For Approval

SP-040140   **New Rel-6 TS 32.250-200: Charging management; Circuit Switched (CS) domain charging**

For Information

SP-040141   **New Rel-6 TS 32.296-100: Charging management; Online Charging System (OCS): Applications and interfaces**

For Approval

SP-040142   **New Rel-6 TS 32.297-200: Charging management; Charging Data Records (CDR) file format and transfer**

Feature: Charging Management (CH) 3/3

For Approval

SP-040143   **3 Rel-5 CR 32.225 IMS Charging**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040143	32.225	023	-	Rel-5	Correction of AVP Codes and Diameter protocol specific details	F	5.4.0	S5-044044	OAM-CH
SP-040143	32.225	024	-	Rel-5	Corrections on the Session Description Protocol (SDP) parameters	F	5.4.0	S5-044047	OAM-CH
SP-040143	32.225	025	-	Rel-5	Correction of reference to diameter base protocol	F	5.4.0	S5-044151	OAM-CH

For Information

SP-040144   **New Rel-6 TS 32.260-100: Charging management; IP Multimedia Subsystem (IMS) charging**

SP-040145   **New Rel-6 TS 32.299-100: Charging management; Diameter charging application**

The End

See you next time !