

TSG-SA WG5 (Telecom Management)

Summary Report of WG Activities

by **A. Yuhan, TSG-SA WG5 Chair**

- **Meeting(s)**

- SA5 #5 in San Diego, CA, USA, hosted by Ericsson and T1P
on 20-22/7/1999; attended by 20 delegates

Full report of SA5 #5 in s5-99162

- SA5 #6 in Cork, Ireland, hosted by Motorola
on 31/8 - 3/9 /1999; attended by 24 delegates

Full report of SA5 #6 on the 3GPP server in the SA5 directory

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Summary Report (cont.)

- **Administrative & Organizational**

- Rapporteurs for Work Items identified

CH (Charging): Ian Deankin (Motorola)

PM (Performance Management): Karl-Heinz Nenner (T-Mobil)

CM (Configuration Management): Thomas Tovinger (Ericsson)

FM (Fault Management): Gaetano Cicchitto (Italtel)

PR (Principles and Requirements): Michael Truss (Motorola)

AR (Architecture): Tommy Berggren (Telia)

TSG-SA WG5 (Telecom Management) Summary Report (cont.)

• **Inter-Organizational**

- Incoming Liaisons

S5-99146	SA2	Technical project co-ordination within S2 and 3GPP
S5-99148	SA2	Request for contact person(s) for Location Services in UMTS
S5-99165	SA2	"Work distribution on charging & billing aspects
S5-99166	SA2	Conformance requirements for volume based charging for IP domain
S5-99117	RAN3	Cell Configuration and Management Philosophy
S5-99149	RAN3	Invitation to comment on I3.05 v0.2.1 – Node B O&M Functional Description
S5-99192	RAN3	On 25.442 UTRAN Implementation Specific O&M Transport
S5-99164	CN2	CSE controlled free format charging data for CAMEL3)
S5-99170	SMG1	Billing Requirements for GPRS
S5-99150	SMG6	ETSI SMG6 and 3GPP TSG SA5 Work Integration

- Outgoing Liaisons

S5-99207	SA1, SA2	Conformance requirements for volume based charging for IP domain
S5-99159	RAN3	Re: Cell Configuration and Management Philosophy
S5-99161	RAN3	On I3.05 – Node B O&M Functional Description
S5-99204	RAN3	Re: On TS 25.442: Implementation Specific O&M Transport
S5-99205	RAN3	Regarding I3.05: Node B O&M Functional Description
S5-99203	T1M1	Request for establishment of co-operative relation
S5-99158	SMG6	Re: SMG6 and 3GPP TSG SA5 Work Integration

TSG-SA WG5 (Telecom Management) Report Summary (cont.)

• **Inter-Organizational (Cont.)**

- Highlights

- = RAN O&M work coordination with RAN TSG
- = Charging requirement input from SA2
- = Transfer of Charging responsibility (i.e. GSM 12.05 & 12.15)
from SMG6 to SA5
- = Request for cooperation to T1M1

TSG-SA WG5 (Telecom Management) Summary Report (cont.)

• Technical

- WI-PR (3G telecom management principles and requirements)
 - = presently 3G TS 32.101 version 1.2.0
 - = planned to be delivered to TSG-SA #6 for approval
 - = areas to be further worked on after the 99-release:
 - Security Management;*
 - Customer profile management;*
 - Service deployment management;*
 - Accounting management.*

- WI-AR (3G management system framework and architecture)
 - = presently 3G TS 32.102 version 1.2.0
 - = planned to be delivered to TSG-SA #6 for approval
 - = some sections may be added/modified with later release feature addition

TSG-SA WG5 (Telecom Management) Summary Report (cont.)

• Technical (cont.)

- WI-CH (Charging)
 - = 3G charging requirements and architecture will be identified and included in 3G TS 32.101 and TS 32.102 for the Release-99;
 - = also maintaining the 2G (GPRS) charging work
 - 2 CRs submitted against GSM12.15 (Sp#5(99)381)*
 - [\[TSG-SA Action Requested\]](#)
 - = areas to be further worked on after the 99-release:
 - CDR specifications pertinent to many new 3G features such as*
 - Air interface impacts, FDD/TDD, Class mark, Codecs, New QoS values, volume counts due to LLC removal, Use of RLC/RLP and GTP/U, Anchor MSC Hand-over between 3G and GSM, RNC hand-over between SGSNs, Anchor SGSN concept, Location services, CAMEL 3, MExE, Multicall, Multimedia, Possible new PDP type 'IP Ext', etc.*

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Summary Report (cont.)

• Technical (cont.)

- WI-PM (3G performance management)
 - = submitting TS 32.104 (v. 1.0.0) for to TSG-SA #5 information (*Sp#5(99)382*)
[TSG-SA Action Requested]
 - = planned to be delivered to TSG-SA #6 for approval
 - = areas to be further worked on after the 99-release:
Detailed definition of 3G performance measures.

- WI-CM (3G configuration management)
 - = submitting TS 32.106 (v. 1.0.0) for to TSG-SA #5 information (*Sp#5(99)383*)
[TSG-SA Action Requested]
 - = planned to be delivered to TSG-SA #6 for approval (*A possibility exists that it may be delivered to TSG-SA #7*)
 - = areas to be further worked on after the 99-release:
Specification of management information model

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Summary Report (cont.)

• Technical (cont.)

- WI-FM (3G fault management)
 - = submitting TS 32.111 (v. 1.0.0) for to TSG-SA #5 information (*Sp#5(99)384*)
[TSG-SA Action Requested]
 - = planned to be delivered to TSG-SA #6 for approval (*A possibility exists that it may be delivered to TSG-SA #7*)
 - = areas to be further worked on after the 99-release:
Specification of management information model

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Summary Report (cont.)

• Technical (cont.)

- Work areas for next year under existing Work Items

- = Maintenance of TS 32.101 [WI SA5-PR]
- = Maintenance of TS 32.102 [WI SA5-AR]
- = Specification of 3G charging information (CDRs) [WI SA5-CH]
- = Specification of charging information for 2G features (e.g., LCS) [WI SA5-CH]
- = Specification of performance measures [WI SA5-PM]
- = Specification of configuration management information model [WI SA5-CM]
- = Specification of fault management information model [WI SA5-FM]

* *Question on the SA5 outputs of the charging information and management information model specification work for the 3G under the existing SA5 Work Items: Should those SA5 specifications (to come in 2000) be considered as a part of Release-99 or Release-2000? Those outputs, although delivered in 2000 due to the normal "O&M standards delay", will be based on the Release-99 package. For the sake of a logical synchronization, SA5 wishes them to be considered as a part of Release-99.*

[TSG-SA Direction Requested]

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Summary Report (cont.)

• Technical (cont.)

- Highlights

Work Item	R99 deliv.	Planned	Status	Post-99 work
S5-PR	TS32.101	TSG-SA#6	SA#4 info	Maintenance
S5-AR	TS32.102	TSG-SA#6	SA#4 info	Maintenance
S5-CH	Sec. In TS32.101	TSG-SA#6		Refined stage work
	Sec. In TS32.102	TSG-SA#6		
	(Detailed specification)	TSG-SA#8		
S5-PM	TS32.104	TSG-SA#6	SA#5 info	Refined stage work
S5-CM	TS32.106	TSG-SA#6/7	SA#5 info	Refined stage work
S5-FM	TS32.111	TSG-SA#6/7	SA#5 info	Refined stage work

TSG-SA WG5 (Telecom Management) Summary Report (cont.)

- Future Meetings

No.	Date	Place	Host	Remarks
#7	26-29/10/99	Tampere, Finland	Nokia	
#8	13-16/12/1999	Sophia Antipolis, France	ETSI	

* *Eight SA5 WG meetings will be scheduled for year 2000 in the Tampere meeting.*

TSG-SA WG5 (Telecom Management) Summary Report (cont.)

- TSG level action requested
 - Approve this summary report (Sp-#5(99)380)
 - Approve 2 CRs against GSM12.15 (Sp-#5(99)381)
 - Direct SA5 on the question of packaging SA5 specifications to come in year 2000 whether in Release-99 or in Release-2000
- Specifications submitted for information
 - 32.104 "Performance Management" in Sp-#5(99)382
 - 32.106 "Configuration Management" in Sp-#5(99)383
 - 32.111 "Fault Management" in Sp-#5(99)384