

# **TSG-SA WG5 (Telecom Management)**

## **Summary Report of WG Activities**

by A. Yuhan, TSG-SA WG5 Chair

- **Meeting(s)**

- SA5 #7 in Tampere, Finland hosted by Nokia on 26-29/10/1999; attended by 23 delegates  
Full report in [S5-99270](#).

- SA5 Ad Hoc on Fault Management in Milan, Italy hosted by Siemens (Italtel) on 18-19/11/1999; attended by 14 delegates  
Full report in [S5-99324](#).

- SA5 #8 in Bonn, Germany, hosted by T-Mobil on 7-10/12/1999; attended by 22 delegates  
Full report in [S5-99339](#) (to be ready).

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# **TSG-SA WG5 (Telecom Management)**

## **Summary Report (cont.)**

- **Administrative & Organizational**

(none particular)

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

## • Inter-Organizational

### - Incoming Liaisons

S5-99212	T1P1.5	GSM LCS Charging
S5-99228	RAN3	Call trace message contents and call trace deactivation
S5-99281	T1P1	Transfer of Location Services to 3GPP
S5-99295	T1M1	Re: Request for establishment of co-operative relation
S5-99296	T1M1	To TR45.7: Regarding the unification of North American 3G wireless network management standards
S5-99318	CN2	LS on Dialed Services in CAMEL Phase 3
S5-99319	SA2	LS on CDR Creation for non-liable subscription

### - Outgoing Liaisons

S5-99250	T1P1.5	GSM LCS charging
S5-99267	SA1	Comments on TS 22.115
S5-99305	RAN3	Response to TSG RAN WG3 Liaison on call trace message contents and call trace deactivation
S5-99323	T1M1	SA5 LS Reply to T1M1

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

## • Inter-Organizational (Cont.)

### - Highlights

- = RAN O&M work co-ordination with RAN TSG;
- = **Waiting for SA2 reply** on architectural questions regarding volume based charging for IP domain;
- = **Waiting for SA1 reply** about service requirements for chargeable events;
- = SA5 acceptance of GSM LCS Charging as suggested by T1P1.5;
- = Receipt from T1M1 of T1M1 work on CORBA TMN framework;
- = Information exchange with T1M1 on North American management standards unification across 3G wireless family members;
- = Notification from T1P1 of GSM LCS work handover to 3GPP;
- = Co-ordination to come with CN2 and SA2 on charging related to dialed services (in CAMEL Phase 3) and non-liable subscription.

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

## • Technical

- Technology determination for management framework
  - = IRP (Integrated Reference Point) concept adopted
    - + *Protocol independent MIM using UML;*
    - + *Solution set comprising multiple open protocols such as GDMO/CMIP, IDL/CORBA, etc.*

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

## • Technical (cont.)

- WI-PR (3G telecom management principles and requirements)
  - = 3G TS 32.101 version 2.0.0 for TSG-SA approval ([SP-99577](#))  
[\[TSG-SA Action Requested\]](#)
  - = Areas to be further worked for Release-99 (by SA #7):
    - + Enhance security management;
    - + Review IRP (Integrated Reference Point) framework issues;
    - + Resolve issue of consistency with TS 32.102 on X.25 as a network layer protocol.
  
- WI-AR (3G management system framework and architecture)
  - = 3G TS 32.102 version 2.0.0 for TSG-SA approval ([SP-99578](#))  
[\[TSG-SA Action Requested\]](#)
  - = Conformance conditions added
  - = Areas to be further worked for Release-99 (by SA #7):
    - + Review IRP framework issues;
    - + Resolve issue of consistency with TS 32.102 on X.25 as a network layer protocol.

# TSG-SA WG5 (Telecom Management)

## Summary Report (cont.)

### • Technical (cont.)

- WI-PM (3G performance management)
  - = submitting TS 32.104 (v. 2.0.0) for TSG-SA approval ([SP-99579](#))  
[\[TSG-SA Action Requested\]](#)
  - = Issues cleared in the current version:
    - + Roles of NM and EM clarified in PM area;
    - + Definitions of 3G performance measures;
  - = Areas to be further worked for Release-99 (*by SA #7*):
    - + Review some IRP framework issues;
    - + Granularity period starting and end point synchronization;
    - + Tune some 3G performance measurement parameters;
    - + Finalization of Annexes A and about performance measurement report files.

# TSG-SA WG5 (Telecom Management)

## Summary Report (cont.)

### • Technical (cont.)

- WI-CH (Charging)
  - = Maintaining 2G charging work (GSM 12.15)
    - + 1 CR (re: APN) submitted against GSM12.15 ([SP-99580](#))  
[\[TSG-SA Action Requested\]](#)
  - = Availing TS 32.105 for TSG-SA information ([SP-99596](#))  
planned for TSG-SA #8 approval
    - + TS 32.105 (3G charging and accounting stage 2 description) will
      - \_ address 3G new charging issues (e.g., MExE, QoS, etc.) (R-99), and
      - \_ provides pointers to TS 32.005 and TS 32.015;
  - = Preparing 3G TS 32.005 and TS 32.015 to be finalized for R99  
by TSG-SA #8 approval
    - + TS 32.005 (based on GSM12.05) to address circuit switch call events,
    - + TS 32.015 (based on GSM 12.15) to address packet switch call events.
  - = Areas to be further worked for Release-99:
    - + Charging aspect of bearer services specification of charging-sensitive QoS parameters related to TS 30.802 and 23.907.

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

## • **Technical (cont.)**

- WI-CM (3G configuration management)
  - = Availing TS 32.106 (v. 1.1.0) for to TSG-SA information ([SP-99597](#))
  - = Main text planned for TSG-SA #7
  - = Annexes planned for TSG-SA #8 approval
  - = Areas to be further worked for Release-99:
    - + Review some IRP framework issues;
    - + Clarification of management capability requirements over N-interface;
    - + Managed Object naming convention;
    - + Solution sets for notification IRP.

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

## • **Technical (cont.)**

- WI-FM (3G fault management)
  - = Availing TS 32.111 (v. 1.1.0) for to TSG-SA information ([SP-99598](#))  
planned for TSG-SA #8 approval
  - = Areas advanced in this version
    - + Alarm management;
    - + Fault management capability requirements over N-interface
  - = Areas to be further worked for Release-99:
    - + Review some IRP framework issues;
    - + Clarification of management capability requirements over N-interface;
    - + IRP alarm information service;
    - + Solution sets for notification IRP.

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

## • Technical (cont.)

- Work areas for year 2000 (including remaining work for R-1999)  
(Please refer to separate SA5 contribution in SP-99181)

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

## • Technical (cont.)

### - Highlights

Work Item	R99 deliv.	Tdoc	Approval	Status at #6	R99 work remaining
S5-PR	TS 32.101	SP-99577	TSG-SA#6	approval	listed on spec front cover
S5-AR	TS 32.102	SP-99578	TSG-SA#6	approval	listed on spec front cover
S5-PM	TS 32.104	SP-99579	TSG-SA#6	approval	listed on spec front cover
S5-CH	TS 32.105	SP-99596	TSG-SA#8	for information	
	TS 32.005		TSG-SA#8	not yet available	
	TS 32.015		TSG-SA#8	not yet available	
S5-CM	TS 32.106	SP-99597	TSG-SA#8	for information	listed on spec front cover
S5-FM	TS 32.111	SP-99598	TSG-SA#8	for information	listed on spec front cover

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

## • Future Meetings

No.	Date	Place	Host	Remarks
#9	18-21/1/2000	Sophia Antipolis, France	ETSI	
#10	29/2-3/3/2000	tbd	tbd	
#11	11-14/4/2000	Paris, France	France Telecom	
#12	6-9/6/2000	Rome, Italy	TIM	
#13	24-28/7/2000	tbd, USA	T1P1	
#14	12-15/9/2000	tbd	tbd	
#15	16-20/10/2000	tbd, USA	T1P1	
#16	28/11-1/12/2000	tbd	tbd	