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# Meetings

- SA5 #9
- - 18 - 21 January 2000 in Sophia Antipolis, France hosted by ETSI
  - Attended by 23 delegates
  - Full report in S5-000130

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## Meetings (cont.)

- SA5 Ad Hoc (#2) on Fault Management (FM) issues
- - 16 - 17 February 2000 in Milan, Italy, hosted by Siemens
  - Attended by 9 delegates
  - Full report in S5-000100

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## Meetings (cont.)

- SA5 #10
- - 28 February - 3 March 2000 in Luleå, Sweden hosted by EricssonI
  - Attended by 35 delegates
  - Full report to be prepared
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# Administrative and Organizational

- MCC support staff change  
(as of the SA5 #9 meeting)
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  - Mr. Michael Sanders left for T-Group
  - Mr. Adrian Zoicas, new Secretariat

# Inter-Organizational

- Highlights
  - Co-ordination with RAN3 on RAN O&M issues
  - Co-ordination with SA2, CN2, RAN3 on PS domain subscriber and equipment trace issues
  - Co-ordination with SA2, SA1, CN2 on roaming subscriber call CDR suppression issues
  - Contribution to SA1 of 3G management vocabularies

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## Inter-Organizational (cont.)

- Highlights (cont.)
  - Co-ordination with SA3, CN2 on MAP security key management and administration issues
  - Co-operation with TADIS, BARG, T1P1 on 3G and 2G charging issues
  - Co-operation with T1M1, 3GPP2, ITU-T on global management standards harmonization
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# Inter-Organizational (cont.)

- Liaison Statements received

- S5-000023 TIM1 Rp to S5 Establishment of cooperative relation
- S5-000024 TIM1 cc to S5 Unification of North American 3G wireless network management standards (3GPP2 TSG-S)
- S5-000070 N2 Trace specification for UMTS
- S5-000071 N2 cc to S5 On CDR creation for non-charging liable subscriptions (Rp to S2)
- S5-000072 R3 Rp to S5 On RAN3 I3.05 on "Node-B O&M functional Descriptions"
- S5-000073 N2 Rp to S5 CN deactivate trace functionality
- S5-000074 N2 Rp to S5 GSM LCS charging questions
- S5-000085 ITU-T SG4 also to 3GPP2 Q24/4 draft recommendation on roaming agreement establishment and fraud management
- S5-000112 BARG also to SMG6 Cooperation in 3G charging specifications
- S5-000113 S2 also to N2 CDR creation for non-charging liable subscriptions
- S5-000114 S2 also to R3, N2, SMG2-WPA Subscriber and equipment trace for PS domain
- S5-000117 N2 cc to S1 Charging impact due to introduction of CAMEL Phase 3
- S5-000137 S2 Rp to S5 Response to LS on CDR creation for non-charging liable subscriptions also to S1; cc to N2
- S5-000119 S3 cc N2 Functions of Key distribution and key administration for MAP security



# Inter-Organizational (cont.)

- Liaison Statements issued

S5-000030	BARG		3G charging cooperation
S5-000031	TADIG		3G charging cooperation
S5-000032	S1, S2	Rp to S2	Reply on CDR suppression
	cc to N2		
S5-000044	TIP1.5		Questions on GSM/LCS charging-charging
	cc to TIP1		
S5-000046	R3		RAN3 document I3.05
S5-000150	R3	Rp to R3	CN deactivate trace functionality
S5-000154	S3; cc to N2, SA	Rp to S3	on Functions of key distribution and key administration for MAP security
S5-000155	3GPP2 WG2		Establishment of co-operative relationship
S5-000162	S1		SA5 contribution of telecom management definitions and abbreviations to draft TR21.905
S5-000170	N2	Rp to N2	Subscriber and equipment trace for PS domain

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# Technical

- PR (Mngt Prncpl. & Req.) Rapporteur Group
  - Clarified use of X.25 as a network layer protocol (CR to TS 32.101)
  - Corrected IRP-related terminology (CR to TS 32.101)
  - Clarified software management (CR to TS 32.101)
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## Technical (cont.)

- PR (Mngt Prncpl. & Req.) Rapporteur Group (cont.)
  - Compiled 3G management vocabulary (LS to S1)
  - Assessed MAP security key administration work (LS to SA and S3 -- SA Advice requested)
  - Closed all open issues except the security key administration issue

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## Technical (cont.)

- AR (Architecture) Rapporteur Group
  - Resolved inconsistency with TS32.101 about valid network layer protocol (CR to TS 32.102)
  - Correction of IRP-related terminology (CR to TS 32.102)
  - Studied consistency of RAN O&M with overall 3G management architecture (Report to SA)
  - Closed all open issues except the security key administration issue

## Technical (cont.)

- PM (Performance Mngt) Rapporteur Group
  - Resolved the value for advance period for measurement job initialisation (CR to TS 32.104)
  - Resolved measurement report file format (CR to TS 32.104)
  - Resolved measurement minimum granularity period issue (no change)
  - Studied alternative measurement report file format (R00 study)
  - Closed all open issues

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## Technical (cont.)

- FM (Fault Mngt) Rapporteur Group
  - Completed TS 32.111 for SA approval (SA approval requested)
  - To work on remaining issues by SA #8:
    - merge Clauses 4 and 5, and some text correction due to the merger;
    - adjust the final R99 requirements (postpone some (e.g. test management) for R00 and add some;

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## Technical (cont.)

- FM (Fault Mngt) Rapporteur Group (cont.)
  - To work on remaining issues by SA #8: (cont.)
    - append 3 annexes:
      - Alarm IRP Information Service, containing the protocol independent information model (UML) of alarm management
      - CORBA Alarm IRP solution set, containing the detailed definitions (IDL) for CORBA based management interfaces
      - CMIP Alarm IRP solution set, containing the detailed definitions (GDMO and ASN1) for CMIP based management interfaces.

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## Technical (cont.)

- CM (Configuration Mngt) Rapporteur Group
  - Completed TS 32.106 for SA approval (SA approval requested)
  - To work on remaining issues by SA #8:
    - provide Annexes C to G that cover:
      - Notification IRP solution sets in CORBA and CMIP
      - Protocol-neutral basic Conf. Mngt IRP information model
      - CMIP Alarm IRP solution set for basic Conf. Mngt IRP.



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## Technical (cont.)

- CH (Charging) Rapporteur Group
  - Studied charging requirements related to various issues: non-liaible subscribers, CAMEL Phase 3, GSM LCS, etc.
  - Analyzed the impact to charging specs of the recent change to the GTP header length (in GSM 09.60 & 3G TS 29.060) (CRs to 32.105 & 12.15).

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## Technical (cont.)

- CH (Charging) Rapporteur Group (cont.)
  - Studied the need of served MSISDN optionally included in GPRS S-CDR, G-CDR and M-CDR (CRs to 32.015 & 12.15).
  - Studied the need of GSN address information element in GTP supporting IPV6 (CRs to 32.015 & 12.15).

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## Technical (cont.)

- CH (Charging) Rapporteur Group (cont.)
  - Studied the need of the charging characteristics indicator in CDRs (CRs to 32.015 & 12.15 with T-Mobile's objection)
  - Progressed drafting TS 32.105 to umbrella TSs 32.005 and 32.015 (Completion by SA 8 highly unlikely)
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## SA Action Requested

- Approval of new TSs
  - TS 32.106: 3G configuration management v.2.0.0 (SP-000012)
  - TS 32.111: 3G fault management v.2.0.0 (SP-000013)
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## SA Action Requested (cont.)

- Approval of Change Requests
  - 3 CRs to TS 32.101 v.3.0.0 (SP-000014)
  - 2 CRs to TS 32.102 v.3.0.0 (SP-000015)
  - 2 CRs to TS 32.104 v.3.0.0 (SP-000016)
  - 4 CRs to TS 32.015 v.3.0.0 (SP-000016)
  - 2 CRs to GSM 12.15 v.7.4.0 (SP-000017)





## SA Action Requested (cont.)

- Request for CR approval
    - 3 CRs to TS 32.101 v.3.0.0 (SP-000014)
    - 2 CRs to TS 32.102 v.3.0.0 (SP-000015)
    - 2 CRs to TS 32.104 v.3.0.0 (SP-000016)
    - 4 CRs\* to TS 32.015 v.3.0.0 and  
2 CRs to GSM 12.15 v.7.4.0 (SP-000017)
- \* One CR submitted without a unanimous consensus





## SA Action Requested (cont.)

- Request for Plenary advice
  - Should the Functions of MAP security key distribution and administration be incorporated in R99 management specifications? (SP-000010)



# ISSUE status report

- X.25 decision: resolved
- Security management section: SA advice requested
- IRP framework: Largely resolved except in TSs 32.106 and 32.111
- Performance parameters: resolved



# ISSUE status report

- Performance measurement file format: resolved
- Charging (TS 32.105): Unlikely to be completed by SA #8
- Basic configuration management: resolved
- Basic fault management: resolved
- RAN O&M interoperability verification: resolved (in SP-000119)

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# R-00 Plan

(TBD)

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# Future SA5 Meetings

Meeting	Date	Place	Host	Remarks
Ad Hoc #3	27-31/3/2000	Montreal, Canada	Ericsson	on FM and CM issues
SA5 #11	10-14/4/2000	Paris, France	France Telecom	
SA5 #12	5-9/6/2000	Rome, Italy	TIM	
SA5 #13	24-28/7/2000	tbd, USA	T1P1	
SA5 #14	11/15/9/2000	tbd, Italy	Siemens	
SA5 #15	16-20/10/2000	tbd, USA	T1P1	
SA5 #16	27/11-1/12/2000	Yokohama, Japan	NTT DoCoMo	

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# Planned Meetings

3/15/00

SP-000011

