

**Title:** Report of the 3GPP SA WG5 (Telecom Management) meeting #15  
hosted by 3GPP North American friends in Girdwood, Alaska, USA, 16 - 20 October 2000

**Source:** Secretary: [Adrian.ZOICAS@etsi.fr](mailto:Adrian.ZOICAS@etsi.fr) (3GPP Mobile Competence Centre)

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**Chairman:** Albert YUHAN (VoiceStream Wireless)  
**Vice-Chairman:** Michael TRUSS (Motorola)  
**Secretary:** Adrian.ZOICAS@etsi.fr (3GPP Mobile Competence Centre)  
**Host:** 3GPP North American friends

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## 1 Call to order

Albert H. YUHAN (VoiceStream Wireless), SA5 chairman, called the meeting to order at 14:04 hrs local time on Tuesday 17 October 2000. The Rapporteur Group (RG) meetings commenced on Monday 16 October 2000. The chairman thanked the 3GPP North American friends for hosting the meeting.

On behalf of the hosts, the 3GPP North American friends, Albert H. YUHAN warmly welcomed the delegates to Girdwood, at 50 miles South from Anchorage in ALASKA, USA. The SA5 delegates were cordially invited on Tuesday evening to USA's Committee T1 "Team Building" gathering.

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## 2 Participant registration

37 delegates attended the meeting. The list of participants can be found in Annex A. The updated list of registered SA5 delegates, maintained by the Chairman, which records the Voting right status of the SA5 member companies and their delegates, can be found at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_15/Docs/s5MemLst.zip](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Docs/s5MemLst.zip)

### 2.1 IPR (Intellectual Property Rights) declarations

The Chairman reminded the "Article 55: Intellectual Property Rights (IPR) Policy" of the 3GPP Working Procedures:

- Individual Members shall be bound by the IPR Policy of their respective Organizational Partner.
- Individual Members should declare at the earliest opportunity, any IPRs, which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.
- Organizational Partners should encourage their respective members to grant licences on fair, reasonable terms and conditions and on a non-discriminatory basis.
- The PCG shall maintain a register of IPR declarations relevant to 3GPP, received by the Organizational Partners.

The Chairman invited the delegates to declare IPRs - relevant to the 3GPP - they are aware of and there were no declarations received.

The List of IPR declarations sorted by Organizational Partners can be found at:  
[http://www.3gpp.org/PCG/IPR\\_declarations.htm](http://www.3gpp.org/PCG/IPR_declarations.htm)

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## 3 Agenda approval

The draft agenda proposed by the Chairman was approved without modification and can be found in annex B of this report.

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## 4 Document registration and attribution

New documents were registered. More discipline was requested for submitting meeting contributions at least five (5) working days before the respective meeting starts. The list of meeting documents can be found in Annex C of this report.

NOTE: Document \_S5DocLst.doc contains the Year 2000 Document List, which is continuously updated. The latest version can be found at [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/\\_s5DocLst.doc](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/_s5DocLst.doc)

## 5 Meetings and activities reports

### 5.1 Last SA5 meeting report

S5-000424	DRAFT Report of the 3GPP SA WG5 (Telecom Management) meeting #14 hosted by Siemens in Milan, ITALY, 11-15 Sep 2000	SA5 Secretary (Adrian ZOICAS)
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Document S5-000424, containing the draft report of the SA5#14 meeting, was approved without change. The approved report is contained in S5-000430, which can be found also at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_14/Report/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Report/)

S5-000430	Report of the 3GPP SA WG5 (Telecom Management) meeting #14 hosted by Siemens in Milan, ITALY, 11-15 Sep 2000	SA5
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### 5.2 TSG-SA and PCG/OP meetings reports

As the draft report from the last 3GPP TSG SA meeting (SA#9) on 25-28 September 2000 held in Hawaii, USA was not available yet, the SA5 Chairman and Secretary gave a verbal report as follows:

1. **SA5's CRs** 10 out of 13 were approved (rejected CRs: 2 FM, 1 CM)

It was made clear that there should be far more emphasis on providing the correct category for a CR and an analysis of backward compatibility and more generally on filling correctly the CR front sheet with a real effort on the information provided in the 'Consequences if not approved' part.

Quality of documents (specifically CRs) delivered to SA plenary needs to be improved. Mainly the reason for change in the cover sheet of the CRs and to be written from a SA delegate's perspective

2. **SA5's WIs & WP**

Four (4) provisionally approved WIs will need to be reviewed in line with the Work Plan.

3. **Contents list of Release 4/5**

will be defined / approved at the next SA meeting (SA#10) in December 2000.

4. **Target deadlines for delivery of Release 4/5**

SA#9 decided on the dates for delivering Release 4 (March 2001) and Release 5 (December 2001) respectively. IP Multimedia implementation shall be possible.

5. **More dialogue** is needed between SA5 and the other 3GPP WG (joint meetings) e.g. with S1/S2. The actual SA5 Liaison rapporteurs arrangement does not seem to have sufficient impact.

SA5 asked Dave MILHAM (BT) to convene an ad-doc group in order to make proposals to the SA5 plenary. First results were presented in S5-000489 under agenda item 10.

S5-000489	SA5 communication and liaison programme	BT (Dave MILHAM)
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The draft report from the SA#9 meeting being available after the present SA5 meeting, the SA5-related parts are reproduced below:

[TD SP-000432](#): Status report from SA WG5 to SA#9. The SA WG5 Chairman presented the report using the presentation slides provided in [TD SP-000431](#). TMF is the telecommunication Management forum (used to be MMF). This is an influential group in telecommunication Management. This group is attempting to capture the 3rd Generation industry requirements and have informed SA WG5 of the requirements.

[TD SP-000440](#): Proposed Work-plan for SA5. This document was **noted**.

#### Approval of contributions from TSG-SA WG5

#### Approval of CRs:

[TD SP-000433](#): CRs to Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain (32.015). These CRs were **approved**.

**TD SP-000434:** CRs to 3G Performance Management (32.104). It was noted that the front page of the CR indicates “R00” in error, and this CR was **approved as a Release 1999 CR**.

**TD SP-000435:** CRs to Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set version 1:1 (32.106-3). This CR was marked as editorial (Category D) which is not normally accepted for Release 1999. The CR is also an instruction on how to change the document to implement the CR.

The instruction was not considered clear enough for sure implementation (i.e. the use of “etc.” for where to implement the change). After consideration, the SA WG5 Chairman decided to **withdraw** this CR at this time for further elaboration in SA WG5 and re-presentation for approval at TSG SA#10.

**TD SP-000437:** CRs to Telecommunications Management; Fault Management; Part 1: 3G fault management requirements (32.111-1). These CRs were **approved** (as Category F CRs).

**TD SP-000438:** CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2). These CRs were **approved** (as Category F CRs).

**TD SP-000439:** CRs to Telecommunications Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (32.111-3). It was noted that two of the CRs were marked as category D (Editorial) CRs. It was also noted that the corresponding CRs to 32.106 had not been produced for consistency with these CRs. **CRs 003 and 004** were **approved** and **CRs 001 and 002** were **postponed** in order to allow clarification on related changes and their categories.

### Specifications and Reports:

**TD SP-000436:** 32.106-5 (v1.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model version 1 (Release 1999). This specification was presented for information and was **noted**. Comments to SA WG5 are welcomed for the further elaboration of the document towards approval.

### Work Items:

**TD SP-000441:** Work Item Descriptions for Release 2000 (R4/R5):.

**Principles, high level Requirements and Architecture:** The completion date of Rel5 was questioned. It was clarified that the TMN work lags the other specification work and this was intended for Release 2000 (Rel4) in the Rel5 time frame. The existence of related work items in SA WG1/SA WG2 were questioned. It was explained that these are building blocks which continuously update the management architecture. It was also pointed out that some of the “linked work items” do not exist.

This WI was **approved** with the **conditions** given below. It was **noted** that this WI would require completion in advance of the stated Rel5 date to allow other groups to complete their work and OAM aspects. An updated WI description should be presented to SA#10.

**3G Telecom Management: Fault Management:** This WI description was **approved** with the **conditions** given below.

**UTRAN Operations and Maintenance procedures:** This WI description was **approved** with the **conditions** given below.

**Subscription Management:** This was explained by the presentation of **TD SP-000479**. This WI description was **approved** with the **conditions** given below.

### *Conditions for approval:*

MCC were asked to ensure that proper guidance is provided to SA WG5 on the use of Work Items and completion of Work Item Descriptions.

The affected areas (ME, USIM, etc.), were unclear and this should be reviewed to localise the affected areas. **The updated work items should be updated and presented to SA#10 in the correct format.**

**TD SP-000479:** Overview of the Subscription Management. SA WG5 proposed a new feature-level work item for the subscription management (see above) and this contribution was provided to clarify the subscription management’s importance within the overall service operation management area. This document was discussed and **noted**.

## 5.3 Liaison Rapporteurs' reports

Once again no written contributions had been provided under this agenda item. Very short verbal reports were given by:

- John MUDGE (on RAN3 meeting);
- Michael TRUSS (on TMF; no meeting since last SA5 plenary, next meeting mid Nov 2000);
  - SA5's comment taken on board by TMF & revised version submitted to S5.AR.
  - Motorola's Presentation for TMF to be made at TeleManagement World Chicago, 16 Nov 2000 was submitted to SA5 for information in [S5-000460](#).
- Albert YUHAN (on T1M1)
  - T1M1 meeting attended as SA5 representative.
  - CORBA alignment between ITU, T1, 3GPP & 3GPP2.
  - Work started on TML, Telecom version of XML.
- Jörg SCHMIDT from Motorola (on 3GPP2).  
Dec 00 is the target date to finish R99 of 3GPP2's O&M specifications.
- Edwin TSE (on T1M1)
  - CORBA alignment with T1M1 is the right think to do but on a long-term basis only.
  - T1M1 will send their draft specifications to ITU SG4 for alignment.

## 5.4 Other reports

There were no other reports, either written or verbal.

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# 6 Discussions and decisions on inter-organisational issues

## 6.1 Use of CORBA in the TMN by ITU-T SG4, T1M1 and 3GPP

<a href="#">S5-000425</a>	TMN CORBA Standards Contributions: draft ITU-T SG4 standards Q.816, the TMN CORBA framework services, and X.780, the TMN CORBA framework object modelling	Geoff CARYER (BT), Keith ALLEN (SBC Technology Resources)
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SA5 forwarded the document to [CM 9.3](#) & [FM 9.4](#) RGs for consideration. No action was expected from SA5 for the time being.

## 6.2 T2 (MExE) on UE / Terminal Management

<a href="#">S5-000467</a>	MExE presentation	MExE Rapporteur in SA1, T2 Mark CATALDO (Motorola)
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Mark CATALDO (Motorola), MExE Rapporteur in SA1 and T2, made a very comprehensive and clear presentation on the Mobile Execution Environment (MExE). SA5 asked [AR 9.1](#) RG to propose to the SA5 closing plenary a reply to T2 (MExE).

## 6.3 IP Multimedia

<a href="#">S5-000468</a>	IP Multimedia presentation	Mark CATALDO (Motorola) SA1 IP AH member
<a href="#">S5-000461</a>	LS from S1 R00 ad-hoc on "Operation, Administration & Maintenance regarding IM CN subsystem"	S1 R00 (IP) ad-hoc

Mark CATALDO (Motorola), made a very clear presentation on IP Multimedia. SA5 asked [AR 9.1](#) RG to propose to the SA5 closing plenary a reply to S1.

## 6.4 S1 (OSA)

S5-000439	Report from S1 OSA ad hoc	Chairman
S5-000440	LS from S1 (OSA) to CN5 [cc: S1 (VHE), S2 (VHE), S5] on "connectivity management and virtual operator concept"	S1 (OSA)

SA5 asked AR 9.1 RG to propose to the SA5 closing plenary a reply to S1.

# 7 Discussions and decisions on administration issues

## 7.1 Work plan

S5-000431	Draft Principles of 3GPP Work Planning - Release Mechanisms (AHR00-0028)	SA Ad-Hoc "R00 Planning"
S5-000432	3GPP Work Planning for IM SubSystem (AHR00-0031)	SA Ad-Hoc "R00 Planning"
S5-000433	Framework for planned content of next Release (AHR00-0029)	SA Ad-Hoc "R00 Planning" (Vodafone Group)
S5-000435	Work Item Description template customised for SA5	Secretary
S5-000436	Attributes applicable to the object "WI" as used for the 3GPP Project Plan	MCC
S5-000437	SA5 Work Item Descriptions for Release 2000 (R4/R5) - latest situation	Secretary
S5-000438	3G TR 21.900 V3.4.0 (2000-09): 3GPP Working Methods (R99)	MCC
S5-000458	3GPP Work Plan Version 10 Oct 2000, output of TSG#9	MCC

The Secretary introduced the above documents and explained in detail the processes and procedures for Work Item Descriptions (WIDs - S5-000435) and Change Requests (CRs - S5-000438).

The Secretary presented the latest version of the 3GPP Work Plan (S5-000458) with special emphasis on the SA5-related Work Items. The need for alignment between the existing SA5's WIDs and the actual Work Plan content was pointed out.

The Secretary presented the latest situation of SA5's Work Item Descriptions for Release 2000 (R4/R5) in (S5-000437).

SA5 asked the RGs to review and update their WIDs and the relevant part of the 3GPP Work Plan.

## 7.2 3GPP documentation process

S5-000438	3GPP TR 21.900 V3.4.0 (2000-09): 3GPP Working Methods (R99)	MCC
S5-000448	3GPP TR 21.801 V4.0.0 (2000-06) 3GPP Specification drafting rules (Release 2000)	MCC
S5-000447	3GPP TS 21.102 V1.0.0 (2000-06) 3GPP Release 2000 Specifications	MCC

As requested by the SA5 Chairman, the Secretary presented various 3GPP basic documentation on processes and procedures.

## 7.3 Other administrative issues

SA5 decided that:

- Reports from RGs to the SA5 closing plenary (at least an executive summary of 1-2 pages containing issues for decision by the SA5 plenary) should be provided to the SA5 Secretary on Thursday by COB (05.00 pm) at the latest.
- RG meeting report (detailed minutes) – if not already provided at the closing SA5 plenary - should be made available within one (1) week of the meeting close date.
- The SA5 closing plenary should start on the last day, i.e. Friday, morning at 08.00 hours sharp.
- Social events on Thursday evening, before the SA5 closing plenary, should be avoided.
- SA5 management team (Chair, Vice-Chair, Rapporteurs, Secretary) meetings should be held at least once during the SA5 plenary meetings as early as possible during the respective week (e.g. on Monday at 6 pm sharp).
- The RGs and the SA5 plenary should regularly review the Work Plan & the WID at each and every SA5 plenary.



SA5 **considered** the creation of a new RG on any Service Management issue (Subscription Management / SOM). The decision was deferred to the next SA5 plenary meeting (SA5#16 in Tokyo).

The SA5 **re-endorsed** the already **agreed** SA5 Working Procedures in **S5-99112**, which are reproduced below for reference:

1. Any document that is to be presented at the next meeting for information or review must be made available via the SA5 e-mail five (5) working days before the meeting.
2. Baseline documents, which have changes agreed during a meeting, are to be updated by the Rapporteur with revision bars and made available via the SA5 e-mail list within two (2) weeks of the meeting close date.
3. New contributions for existing baseline documents should not contain any previous revision bars.
4. Meeting Reports are to be made available via the SA5 e-mail list within two (2) weeks of the meeting close date.
5. If a document is provisionally agreed during a meeting and approval is required before the next meeting, the document Rapporteur should :
  - Make the necessary updates to reflect the agreement.
  - Make the document available via the SA5 e-mail list.
  - Allow a five-day review period before requesting final approval via an e-mail poll.
6. All documents for a meeting complying to rules 1 & 2 above are to be made available on a local server by the meeting host.
7. Documents are to be made available to the meeting host on floppy disk in sufficient time to guarantee availability on the local server prior to meeting start time. This is the responsibility of the document presenter.
8. Any new documents (including amendments to already distributed documents) which have been agreed and made available at the meeting, will be made available via the SA5 e-mail list within 2 weeks of the meeting close date. This is the responsibility of the SA5 Chair.

Notes:

1. Documents submitted to SA5 not complying to rules 1&2 above will not be guaranteed discussion at the next meeting except at the Chairman's discretion.
2. If documents do not comply to rule 1 above and hard copies of the document are required at the meeting the responsibility for providing hard copies will lie with the document presenter.
3. Documents submitted to SA5 not complying to rule 1 above, but which are discussed and agreed at the meeting cannot be finally agreed except by following rule 5 (provisional agreements).

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## 8 Cross-work item technical discussions

### 8.1 OID definition and registration

S5-000459	OID definition and registration	Siemens (Gaetano CICCHITTO)
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#### Document Summary:

This contribution proposes a common way to define the Object Identifiers (OID) of all the objects defined, for the CMIP solution sets, within the SA5 RGs. This involves all the 32-series of 3GPP TSs containing GDMO/ASN1 object definitions.

In order to complete and to release the 3GPP TSs containing GDMO/ASN1 object definitions, it is necessary to assign Object Identifiers (OID) to such objects.

On this subject, Gaetano CICCHITTO has contacted John MEREDITH who is responsible in ETSI (MCC) for the 3GPP Object registration and ASN1 Object identifier directory. By taking in consideration:

- ETS 300 351 (ETSI object identifier tree; Rules and registration procedures)
- ETR 091 (ETSI object identifier tree; Common domain - Mobile domain)



- GSM 12.30 (for the structure of the "umts-Operation-Maintenance " subtree)
- GSM 12.00/12.20 (as examples)

S5-000459 proposes object definitions with the objective to:

- a) define the position, within the global tree, where to put SA5's OIDs;
- b) define a common rule, in the scope of SA5, for the definition of OIDs.

#### Discussion:

SA5 **noted** that this was only relevant for CMIP but not for CORBA.

Another question was whether to put these OIDs under the GSM-tree or not. SA may need to recommend a solution agreeable to all the SDOs in the 3GPP.

#### Decision:

SA5 asked Gaetano CICCHITTO to lead a short-term ad-hoc activity in order to address the CMIP OID with the objective to identify the open issues & to propose a solution to the SA5 plenary. The deadlines set are: SA5#16 (for R99) and 1Q2001 (for Release R4/5).

## 8.2 Different CORBA versions used in SA5's R99 TSs

#### Discussion:

David SIDOR pointed out that different CORBA versions were used in SA5's Release 99 specifications (32.106-3&6 and 32.111-2). It was also noted that 32.101 refers to CORBA 2.3 and to earlier versions.

SA5 **considered** that a consistent use of the same CORBA version would be desirable.

#### Decision:

SA5 asked Michael TRUSS and David SIDOR to lead an e-mail discussion and to propose a solution to the next SA5 plenary meeting (SA5#16). This may result in CR proposals for 32.101, 32.106 and 32.111.

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## 9 Work item Rapporteur Group reports and actions

### 9.1 S5.AR/PR (32.101, 32.102, 32.140, 32.800)

Rapporteur: Michael TRUSS (MOTOROLA)

S5-000442	AR-PR Meeting Report	AR/PR
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SA5 **noted** the above report. The following new or revised Work Item Descriptions (WIDs) were **provisionally approved** subject to a post-meeting consultation process by e-mail. The formal approval of the WIDs will be made at the next SA5 plenary meeting (SA5#16).

S5-000443	Draft Revised Work Item Description: <b>Principles, high level Requirements and Architecture</b> (Building Block = BB)
S5-000444	Draft Revised Work Item Description: <b>Subscription Management</b> (Building Block = BB)
S5-000445	Draft Revised Work Item Description: <b>UTRAN Operations and Maintenance procedures</b> (Building Block = BB)
S5-000446	Draft Work Item Description: <b>OAM&amp;P (Operations, Administration, Maintenance &amp; Provisioning) Enhancements</b> (Feature)

SA5 **decided** to change the responsibility for the Security-related (Sub-)Work Tasks under SA5's BB "Principles, high level Requirements and Architecture" and inform the actually responsible body (SA3) as follows:

Work Item Name	Resource (old)	Resource (new)
<b>BB: Principles, high level Requirements and Architecture</b>	WG SA5	WG SA5
WT: Security Management (Key Administration and Distribution for MAP)	<b>WG SA5</b>	<b>WG SA3</b>
SWT: Stage 2	<b>WG SA5</b>	<b>WG SA3</b>
SWT: Stage 3	WG SA3	WG SA3
WT: Key Administration & Distribution	<b>WG SA5</b>	<b>WG SA3</b>

SA5 **decided** to DELETE from the Work Plan the following SA5 BBs under SA5's OAM&P Feature:

Work Item Name	Reason	Resource
<b>DELETE BB: Call Cell Trace</b>	no interest	WG SA5
<b>DELETE BB: GSM LCS O&amp;M Project</b>	completed in R99	WG SA5
<b>DELETE BB: Service Management</b>	covered by BB: Subscription Management	WG SA5

SA5 **approved** the following outgoing Liaison Statements:

<b>S5-000462</b>	LS from S5 to GERAN3 (cc: RAN3) on Co-ordination of GERAN-specific O&M specification
<b>S5-000464</b>	LS from S5 to S1 (cc: S2, T2, T3) on provisionally approved SA5 Work Item Description (BB): "Subscription Management"
<b>S5-000465</b>	LS from S5 to S1 ad-hoc R00 on Operation, Administration, Maintenance & Charging regarding IM CN subsystem
<b>S5-000466</b>	LS from S5 to T2 on MExE and User Equipment Management

The following R99 CR was withdrawn. SA5 considered it as editorial to be implemented by MCC at the next opportunity:

<b>S5-000463</b>	32.101 CR Correction of text in clause 8.8
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## 9.1.1 User Equipment (UE) / Terminal Management

A MExE presentation was given by the T2 (MExE) chairman (Mark CATALDO of Motorola) which was very much appreciated by SA5. A discussion followed and some initial conclusions were drawn on how SA5 could use MExE to achieve Terminal Management and software upgrade. The output from the TMF, SDR forum and the TRUST project on Software upgrade/update in the terminal need also to be considered by SA5.

In line with the PCG, the SA5 Chairman urged the group to do this WI inside the 3GPP and not elsewhere.

## 9.2 S5.CH Charging (32.005, 32.015, 32.105)

Temporary Rapporteur: Karl-Heinz NENNER (T-Mobil)

New Rapporteur after SA5#15 meeting: Thaddeus KOBYLARZ (AT&T Wireless Services)

<b>S5-000477</b>	Charging Group Report	CH Rapporteur (Karl-Heinz NENNER)
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SA5 **noted** the above report and **approved** the following outgoing Liaison Statement:

<b>S5-000490</b>	LS from S5 to S2 (cc: S1, IGC): Impact on Charging of Release 4 architecture	CH
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SA5 **provisionally agreed** for submission to SA#10 for approval the following R99 CR to 32.015, which may get final agreement at SA5#16:

<b>S5-000476</b>	Draft 32.015 CR: Triggers for S-CDR closure	CH
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The agreement of the Charging Work Item Description for Release 4/5 was **postponed** to the next meeting (SA5#16).

At the end of this CH RG meeting, the rapporteurship was handed over from Karl-Heinz NENNER (T-Mobil) to Thaddeus KOBYLARZ (AT&T Wireless). SA5 warmly thanked Karl-Heinz and T-Mobil for providing the temporary rapporteurship resource during the last half a year.

## 9.3 S5.CM Configuration Management (32.106-x)

Rapporteur: Thomas TOVINGER (Ericsson)

S5-000491	Report of CM (32.106) RG Session	CM Rapporteur (Thomas TOVINGER)
S5-000492	Revised Executive Summary of CM (32.106) RG Session	CM Rapporteur (Thomas TOVINGER)

SA5 **noted** the above reports and **provisionally agreed** for submission to SA#10 for approval the following R99 CRs, subject to a post-meeting consultation process by e-mail closing on 10 November 2000:

S5-000484	32.106-2 CR: Ensure consistency of description of event types and extended event types	CM
S5-000482	32.106-3 CR: Correct IDL Errors	CM
S5-000483	32.106-3 CR: Identified Spelling Errors	CM
S5-000485	32.106-3 CR: Ensure consistency of text with IDL exception	CM
S5-000486	32.106-3 CR: Add pragma statement to Notification IRP IDL	CM

SA5 **noted** a draft CM Work Item Description for Release 4/5, which was subsequently submitted to a post-meeting SA5 consultation process by e-mail. This WID needs to be aligned with the other SA5 WIDs, which may get final agreement at SA5#16 for submission to SA#10 for approval.

S5-000488	CM Work Item Description and Work Plan	CM
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SA5 **decided** that the missing parts of 32.106 (Parts 5, 6 and 7) shall be submitted to SA#10 for approval and placement under change control.

SA5 **agreed** to distribute the editing responsibility for the 32.106-family among various members of the CM.RG as follows:

Type	Number	Rapporteur
TS	32.106-1	Trevor PIRT, Motorola
TS	32.106-2	Edwin TSE, Ericsson
TS	32.106-3	Randall SCHEER, Lucent Technologies
TS	32.106-4	Di ZHOU, Siemens
TS	32.106-5	TOVINGER, Thomas
TS	32.106-6	TOVINGER, Thomas
TS	32.106-7	Di ZHOU, Siemens
TS	32.106-8	TOVINGER, Thomas

### Decision process for R99 version of Basic CM IRP

The CM group together with the SA5 chairman discussed the possibility of securing as much as possible the approval of 32.106 Parts 5, 6 and 7 at SA5#16 in December 2000. The SA5 chairman concluded to announce at the SA5 closing plenary that a vote on these specifications may take place SA5#16.

SA5 **noted** that, in order to make progress, the Chairman will call for a vote to take place at the next meeting on unresolved issues.

### 9.3.1 Progress of CM work

CM.RG agreed that there is a need for a three-day ad-hoc meeting before SA5#16, to focus on finalising Basic CM IRP Information Model and Solution Sets for Release 99.

As the same need was identified by FM.RG as well, SA5 **decided** that an SA5 ad-hoc meeting (SA5#15bis) should be convened and co-chaired by the FM/CM Rapporteurs:

CM Rapporteur	TOVINGER Thomas	Ericsson	Thomas.Tovinger@ericsson.com
FM Rapporteur	JURÉ Patrick	Lucent Technologies	pjure@lucent.com

The meeting will be held from **7 - 9 November 2000** in Orlando, FLORIDA, USA in parallel with a TIM1 meeting hosted by Siemens ICN in Boca Raton, FL, who has been gracious enough to host the SA5#15bis meeting as well.

## 9.4 S5.FM Fault Management (32.111-x)

Rapporteur: JURÉ Patrick (Lucent Technologies)

S5-000493	Revised SA5#15 FM meeting report	FM Rapporteur (Patrick JURÉ)
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SA5 **noted** the above report and **provisionally agreed** for submission to SA#10 for approval the following R99 CRs, subject to a post-meeting consultation process by e-mail closing on 10 November 2000:

S5-000469	32.111-2 CR: AlarmId is indicated as changeable but it shall not be possible to change AlarmId	FM
S5-000470	32.111-2 CR: The IRPAgent shall use notifyClearedAlarm to notify the IRPManager about cleared alarms, notifyChangedAlarm shall not be used	FM
S5-000471	32.111-3 CR: Update TS 32.111-3 Iterator	FM
S5-000472	32.111-3 CR: Allow Structured Event Filterable Body Fields to be absent if parameters are not used	FM
S5-000473	32.111-2 CR: Clarify use of event types and extended event types within notifications	FM

SA5 **noted** the revised CM Work Item Description for Release 4/5, which was subsequently submitted to a post-meeting SA5 consultation process by e-mail. This WID needs to be aligned with the other SA5 WIDs, which may get final agreement at SA5#16 for submission to SA#10 for approval.

S5-000475	SA5 FM draft work item for R4/R5	FM
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### 9.4.1 Progress of FM work

FM.RG agreed that there is a need for a three-day ad-hoc meeting before SA5#16, to progress the work on the use of new concepts and structures by alarm FM IRP IS Release 4.

As the same need was identified by CM.RG as well, SA5 **decided** that a joint ad-hoc FM/CM Rapporteurs' Groups meeting (SA5#15bis) should be convened and co-chaired by the FM/CM Rapporteurs:

CM Rapporteur	TOVINGER Thomas	Ericsson	Thomas.Tovinger@ericsson.com
FM Rapporteur	JURÉ Patrick	Lucent Technologies	pjure@lucent.com

The meeting will be held from **7 - 9 November 2000** in Orlando, FLORIDA, USA in parallel with a T1M1 meeting hosted by Siemens ICN in Boca Raton, FL, who has been gracious enough to host the SA5#15bis meeting as well.

## 9.5 S5.PM Performance Management (32.104)

Rapporteur: Karl-Heinz NENNER (T-Mobil)

S5-000480	Performance Management (32.104) Rapporteur Session Report	PM Rapporteur (Karl-Heinz NENNER)
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SA5 **noted** the above report and **provisionally agreed** for submission to SA#10 for approval the following R99 CR, which may get final agreement at SA5#16:

S5-000479	Draft 32.104 CR: Clarification of measurement definition template	PM
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SA5 **noted** the revised PM Work Item Description for Release 4/5, which was subsequently submitted to a post-meeting SA5 consultation process by e-mail. This WID needs to be aligned with the other SA5 WIDs, which may get final agreement at SA5#16 for submission to SA#10 for approval.

S5-000478	Draft Work Item Description: Performance Management	PM
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### 9.5.1 Performance Measurement Definition Methodology

SA5 **noted** the Motorola proposal for a new TR - under the PM WID – on Performance Measurement Definition Methodology.

Motorola proposes a measurement specification methodology in S5P000047 and S5P000037 respectively.

PM.RG considered the proposed methodology as a promising approach. However, it would be a significant effort to apply this methodology to all possible measurements. Particularly for protocol oriented measurements, which are pretty straightforward,

it seemed an excessive work load. On the other hand, there are a lot of measurement candidates and phenomena to be observed in UMTS, particularly the RAN, where it is not so straightforward to come up with useful measurement proposals and to understand the real value of and the real need for a certain measurement, not to speak on how the measurements should be defined in order to obtain the required performance metrics.

Motorola committed to provide an initial draft of the TR together with a new WID or a revised PM WID.

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## 10 Any other business

It was noted that **more dialogue was needed** between SA5 and the other 3GPP WGs (joint meetings) e.g. with S1/S2. The actual SA5 Liaison Rapporteurs arrangement does not seem to have sufficient impact.

SA5 asked Dave MILHAM (BT) to convene an ad-doc group in order to make proposals to the SA5 plenary. First results were presented in **S5-000489**.

<b>S5-000489</b>	SA5 communication and liaison programme	BT (Dave MILHAM)
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## 11 Scheduling of future meetings

Meeting	Date	Location	Host
SA5 #15bis	7 - 9 Nov 2000	Orlando, FLORIDA, USA	Siemens ICN, Boca Raton, FL
SA5 #16	27 Nov - 1 Dec 2000	Tokyo, Japan	NTT DoCoMo
<b>SA5 #17</b>	<b>18 - 26 Jan 2001</b>	Sophia-Antipolis, France	ETSI
<b>SA5 #18</b>	<b>26 Feb - 2 Mar 2001</b>	Paris, France	Nortel Networks
<b>SA5 #19</b>	<b>2 - 6 Apr 2001</b>	Los Angeles, USA (tbc)	3GPP North American friends
<b>SA5 #20</b>	<b>28 May - 1 Jun 2001</b>	Oslo, Norway (tbc)	Telenor
SA5 #21			
SA5 #22			
SA5 #23			
SA5 #24			
<b>----- Related meetings (for information) -----</b>			
TSG#10	06 - 14 Dec 2000	Bangkok, Thailand	Unisys Deutschland
TSG#11	13 - 22 Mar 2001	Tbd, USA	3GPP North American friends
TSG#12	13 - 21 Jun 2001	Stockholm, Sweden	Ericsson
TSG#13	19 - 27 Sep 2001	Tbd, China	
TSG#14	12 - 20 Dec 2001	Tbd, Japan	
NOTE: The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: <a href="http://www.3gpp.org/Meetings/meetings.htm">http://www.3gpp.org/Meetings/meetings.htm</a>			

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## 12 Adjournment

The chairman adjourned the meeting on Friday 20 October 2000 at 12:03 hrs local time by thanking all delegates for their contributions. The attendees expressed gratitude to the "3GPP North American friends" for hosting the meeting.

## Annex A: List of Participants

Nr	Attendee Name	3GPP Individual Member	3GPP Partner Organisation
1)	Adrian Zoicas	ETSI	ETSI
2)	Albert H. Yuhan	VoiceStream Wireless	T1
3)	Andrea Pamio	TIM Telecom Italia	ETSI
4)	Auro Mukherjee	Telcordia Technology	T1
5)	Bob Engelhart	ATT	T1
6)	Christian Toche	Nortel Networks	ETSI
7)	Dave Milham	BT	ETSI
8)	David Sidor	Nortel Networks	T1
9)	Di Zhou	Siemens AG , Austria	ETSI
10)	Edwin Tse	Ericsson	ETSI
11)	Frank Korinek	Motorola	ETSI
12)	Gaetano Cicchitto	Siemens ICN SpA	ETSI
13)	Gerald Goermer	Siemens AG	ETSI
14)	Habib Noura	Alcatel France	ETSI
15)	Håkan Andersson	Ericsson	ETSI
16)	Jean François Maudoux	FTR&D France Telecom	ETSI
17)	John Molchan	ATT	T1
18)	John Mudge	Vodafone Group plc	ETSI
19)	John Wilber	ATT	T1
20)	Jörg Schmidt	Motorola	T1
21)	Karl-Heinz Nenner	T-Mobil	ETSI
22)	Mark Cataldo	Motorola	ETSI
23)	Martijn Hijdra	Mannesmann	ETSI
24)	Michael Truss	Motorola U.K.	ETSI
25)	Nicki Habluetzel	ATT	T1
26)	Patrick Juré	Lucent Technologies	ETSI
27)	Randall Scheer	Lucent Technologies	ETSI
28)	René Geers	Telenor	ETSI
29)	Taimoor Khan	Nortel Networks	T1
30)	Thaddeus Kobylarz	ATT	T1
31)	Thomas Tovingner	Ericsson	ETSI
32)	Tommy Berggren	Telia AB	ETSI
33)	Trevor Pirt	Motorola	ETSI
34)	Tsukasa Sasaki	Fujitsu	TTC
35)	Ulf Hubinette	Ericsson	ETSI
36)	Wim Snoeck	Siemens AG	ETSI
37)	Yutaka Takeuchi	NTT DoCoMo	TTC

### NOTE 1: On-line meeting registration

An on-line meeting registration tool allows the participants to register via a web interface. You are kindly requested to register at <http://webapp.etsi.org/3GPPRegistration>

NOTE 2: The List of 3GPP Individual Members can be consulted at [http://www.3gpp.org/Participation/3GPP\\_IM.htm](http://www.3gpp.org/Participation/3GPP_IM.htm)

NOTE 3: If you have an **ETSI Username/Password**, you may change yourself your old e-mail address

[anouch.chichmanian@rd.francetelecom.fr](mailto:anouch.chichmanian@rd.francetelecom.fr)

with your new one

[anouch.chichmanian@francetelecom.fr](mailto:anouch.chichmanian@francetelecom.fr)

directly on the **ETSI home page** <http://www.etsi.org> by clicking **Telephone Directory**

<http://webapp.etsi.org/teldir/>

& by ticking the case\* **Update your new email in all our exploder lists**

you will make this update on all ETSI/GPP exploder lists you have subscribed to.

## Annex B: Approved Agenda

Agenda item		Allocation of Meeting Documents: Input Documents, Output Documents
1	Call to order (Tuesday, 1:45 p.m.)	
2	Participant registration	s5MemLst
3	Agenda approval	s5_15agenda
4	Document registration and attribution	s5DocLst
5	Meetings and activities reports	
5.1	Last SA5 meeting report	424, 430,
5.2	TSG-SA meeting report	449 (Overview of the Subscription Management)
5.3	Liaison rapporteurs reports	
5.4	Other reports	
6	Discussions and decisions on inter-organizational issues	425 439, 440 (S1 OSA) 460, 461, 466 467, 468
7	Discussions and decisions on administration issues	
7.1	Work plan	431, 432, 433, 435, 436, 437, 458
7.2	3GPP documentation process	438 (TS 21.900 3GPP Working Methods), 447 (TS 21.102 3GPP Release 2000 Specifications) 448 (TR 21.801 3GPP Specification drafting rules)
7.3	Other administrative issues	S5-99112 (TSG-SA-WG5 Proposed Working Procedures)
8	Cross-work item technical discussions	459 (OID)
9	Work item rapporteur group reports and actions	
9.1	S5.AR/PR rapporteur group	439, 440 (S1 OSA) 449 (Overview of the Subscription Management) 442 (AR-PR Report), 443, 444, 445, 446, (WIDs) 462, 464, 461, 465, 466 (LSs)
9.2	S5.CH rapporteur group	450, 451, 452 (specs) 477 (AR-PR Meeting Report), 477 (CR), 490 (LS),
9.3	S5.CM rapporteur group	425 (ITU-T CORBA), 454 (32.106-5 V1.0.1), 459 (OID) 492 (revised CM Executive Summary), 491 (CM Report), 482, 483, 484, 485, 486 (CRs) 488 (WID),
9.4	S5.FM rapporteur group	425 (ITU-T CORBA), 455, 456, 457 493 (revised FM Report) 469, 470, 471, 472, 473 (CRs) 475 (WID)
9.5	S5.PM rapporteur group	453 (32.104 V3.3.0) 480 (PM Report), 478 (WID), 479 (CR)
9.6	S5.Ad Hoc groups (if any)	
10	Discussions and decisions on other business	489 (SA5 communication and liaison programme)
11	Scheduling of future meetings	
12	Adjournment (target time: Friday, 12:30 p.m.)	



## Annex C: List of documents

Legend: Documents highlighted in **red** are not available yet; e.g. **S5-000xyz**  
 Documents highlighted in **green** are replaced / superseded by a Revised Version; e.g. **S5-000xyz**  
 Documents highlighted in **blue** had been sent out by SA5 & the action is discharged; e.g. **S5-000xyz** **Sent on 1 Mar 2000**

Tdoc	Agenda	Title	Source	Status
		<b>Meeting #15, Girdwood, Alaska, USA, 16- 20 October 2000</b>		
S5-000424	5.1	DRAFT Report of the 3GPP SA WG5 (Telecom Management) meeting #14 hosted by Siemens in Milan, ITALY, 11-15 Sep 2000	SA5 Secretary (Adrian ZOICAS)	Approved.
S5-000425	6, <b>CM 9.3</b> <b>FM 9.4</b>	TMN CORBA Standards Contributions: draft ITU-T SG4 standards Q.816, the TMN CORBA framework services, and X.780, the TMN CORBA framework object modelling	Geoff CARYER (BT), Keith ALLEN (SBC Technology Resources)	<b>Dispatched 22 Sep 00</b> Discussed.
<b>S5-000426</b>	7.2	3G TR 21.900 V3.3.0 (2000-06): 3GPP Working Methods (R99)	MCC	Revised - see S5-000438
<b>S5-000427</b>	<b>CH 9.2</b>	3G TS 32.005 V3.2.0 (2000-09) GSM call and event data for the Circuit Switched (CS) domain (Release 1999)	MCC	Revised - see S5-000450
<b>S5-000428</b>	<b>CH 9.2</b>	3G TS 32.105 V0.0.3 (2000-09) 3G Charging and Accounting; Stage 2 description (R99)	MCC	Revised - see S5-000452
S5-000429		Reply to T1M1 LS (S5-000423) on: Proposal to Align T1M1 and 3GPP CORBA Specifications	SA5	<b>Dispatched 27 Sep 00</b> Not for SA#15.
S5-000430	5.1	Report of the 3GPP SA WG5 (Telecom Management) meeting #14 hosted by Siemens in Milan, ITALY, 11-15 Sep 2000	SA5	Approved.
S5-000431	7.1	Draft Principles of 3GPP Work Planning - Release Mechanisms (AHR00-0028)	SA Ad-Hoc "R00 Planning"	Discussed.
S5-000432	7.1	3GPP Work Planning for IM SubSystem (AHR00-0031)	SA Ad-Hoc "R00 Planning"	Discussed.
S5-000433	7.1	Framework for planned content of next Release (AHR00-0029)	SA Ad-Hoc "R00 Planning" (Vodafone Group)	Discussed.
<b>S5-000434</b>	7.1	3GPP Work Plan Version 14 Sept 2000, input to TSG#9	MCC	Revised - see S5-000458
<b>S5-000435</b>	7.1	Work Item Description template customised for SA5	Secretary	Discussed.
S5-000436	7.1	Attributes applicable to the object "WI" as used for the 3GPP Project Plan	MCC	Discussed.
S5-000437	7.1	SA5 Work Item Descriptions for Release 2000 (R4/R5) - latest situation	Secretary	Discussed.
S5-000438	7.1	3G TR 21.900 V3.4.0 (2000-09): 3GPP Working Methods (R99)	MCC	Replaces S5-000426. Discussed.
S5-000439	6, <b>AR 9.1</b>	Report from S1 OSA ad hoc	Chairman	Discussed.
S5-000440	6, <b>AR 9.1</b>	LS from S1 (OSA) to CN5 [cc: S1 (VHE), S2 (VHE), S5] on "connectivity management and virtual operator concept"	S1 (OSA)	Discussed.
<b>S5-000441</b>	6	Motorola Presentation for TMF to be made at TeleManagement World Chicago, 16 Nov 2000	Motorola (Michael TRUSS)	Revised - see S5-000460
S5-000442	<b>AR 9.1</b>	AR-PR Meeting Report	AR/PR	Noted.
S5-000443	<b>AR 9.1</b>	Draft Revised Work Item Description: <b>Principles, high level Requirements and Architecture</b> (Building Block = BB)	AR/PR	Post-meeting approval
S5-000444	<b>AR 9.1</b>	Draft Revised Work Item Description: Subscription Management (Building Block = BB)	AR/PR	Post-meeting approval
S5-000445	<b>AR 9.1</b>	Draft Revised Work Item Description: <b>UTRAN Operations and Maintenance procedures</b> (Building Block = BB)	AR/PR	Post-meeting approval
S5-000446	<b>AR 9.1</b>	Draft Work Item Description: <b>OAM&amp;P (Operations, Administration, Maintenance &amp; Provisioning) Enhancements</b> (Feature = F)	AR/PR	Post-meeting approval
S5-000447	7.2	3GPP TS 21.102 V1.0.0 (2000-06) 3GPP Release 2000 Specifications	MCC	Discussed.
S5-000448	7.2	3GPP TR 21.801 V4.0.0 (2000-06) 3GPP Specification drafting rules (Release 2000)	MCC	Discussed.
S5-000449	5.2, <b>AR 9.1</b>	Overview of the Subscription Management (SP-000479.doc)	Chairman	Discussed.
S5-000450	<b>CH 9.2</b>	3GPP TS 32.005 V3.2.0 (2000-09) 3G call and event data for the Circuit Switched (CS) domain (Release 1999)	MCC	Replaces S5-000427. Noted.
S5-000451	<b>CH 9.2</b>	3GPP TS 32.015 V3.3.0 (2000-09) 3G call and event data for the Packet Switched (PS) domain (Release 1999)	MCC	Noted.
S5-000452	<b>CH 9.2</b>	3GPP TS 32.105 V0.0.4 (2000-09) 3G Charging and Billing; Stage 2 description (R99)	MCC	Replaces S5-000428. Noted.
S5-000453	<b>PM 9.5</b>	3GPP TS 32.104 V3.3.0 (2000-09) 3G Performance Management (PM) (Release 1999)	MCC	Noted.
S5-000454	<b>CM 9.3</b>	3GPP TS 32.106-5 V1.0.1 (2000-09) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (Release 1999)	MCC	Noted.
S5-000455	<b>FM 9.4</b>	3GPP TS 32.111-1 V3.2.0 (2000-09) Fault Management; Part 1: 3G fault management requirements (Release 1999)	MCC	Noted.
S5-000456	<b>FM 9.4</b>	3GPP TS 32.111-2 V3.2.0 (2000-09) Fault Management; Part 2: Alarm Integration Reference Point: Information Service Version 1 (Release 1999)	MCC	Noted.
S5-000457	<b>FM 9.4</b>	3GPP TS 32.111-3 V3.2.0 (2000-09) Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (Release 1999)	MCC	Noted.

S5-000458	7.1 all RGs	3GPP Work Plan Version 10 Oct 2000, output of TSG#9	MCC	Replaces S5-000434. Discussed.
S5-000459	8 CM 9.3	OID definition and registration	Siemens (Gaetano Cicchitto)	Discussed.
S5-000460	6	Motorola Presentation for TMF to be made at TeleManagement World Chicago, 16 Nov 2000	Motorola (Michael TRUSS)	Replaces S5-000441. Noted.
S5-000461	6, AR 9.1	LS from S1 R00 ad-hoc on "Operation, Administration & Maintenance regarding IM CN subsystem"	S1 R00 (IP) ad-hoc	Discussed.
S5-000462	AR 9.1	LS from S5 to GERAN3 (cc: RAN3) on Co-ordination of GERAN-specific O&M specification	AR	Approved. Dispatched 22 Oct 00
S5-000463	AR 9.1	32.101 CR: Reason: editorial to be done by MCC.	AR	Withdrawn.
S5-000464	AR 9.1	LS from S5 to S1 (cc: S2, T2, T3) on provisionally approved SA5 Work Item Description (BB): "Subscription Management"	AR	Approved. Dispatched 22 Oct 00
S5-000465	AR 9.1	Draft LS to S1 ad-hoc R00 on Operation, Administration, Maintenance & Charging regarding IM CN subsystem	AR	Approved. Dispatched 22 Oct 00
S5-000466	AR 9.1	LS from S5 to T2 on MExE and User Equipment Management	AR	Approved. Dispatched 22 Oct 00
S5-000467		MExE presentation	MExE Rapporteur in SA1, T2 Mark CATALDO (Motorola)	Discussed.
S5-000468		IP Multimedia presentation	Mark CATALDO (Motorola) SA1 IP AH member	Discussed.
S5-000469	FM 9.4	32.111-2 CR: AlarmId is indicated as changeable but it shall not be possible to change AlarmId	FM	Post-meeting approval
S5-000470	FM 9.4	32.111-2 CR: The IRPAgent shall use notifyClearedAlarm to notify the IRPManager about cleared alarms, notifyChangedAlarm shall not be used	FM	Post-meeting approval
S5-000471	FM 9.4	32.111-3 CR: Update TS 32.111-3 Iterator	FM	Post-meeting approval
S5-000472	FM 9.4	32.111-3 CR: Allow Structured Event Filterable Body Fields to be absent if parameters are not used	FM	Post-meeting approval
S5-000473	FM 9.4	32.111-2 CR: Clarify use of event types and extended event types within notifications	FM	Post-meeting approval
S5-000474	FM 9.4	SA5#15 FM meeting report	FM Rapporteur (Patrick JURÉ)	Revised - see S5-000493
S5-000475	FM 9.4	SA5 FM draft work item for R4/R5	FM	Post-meeting approval
S5-000476	CH 9.2	Draft 32.015 CR: Triggers for S-CDR closure	CH	Provisionally approved.
S5-000477	CH 9.2	Charging Group Report	CH Rapporteur (Karl-Heinz NENNER)	Noted.
S5-000478	PM 9.5	Draft Work Item Description: Performance Management	PM	Post-meeting approval
S5-000479	PM 9.5	Draft 32.104 CR: Clarification of measurement definition template	PM	Provisionally approved.
S5-000480	PM 9.5	Performance Management (32.104) Rapporteur Session Report	PM Rapporteur (Karl-Heinz NENNER)	Noted.
S5-000481	CM 9.3	Executive Summary of CM (32.106) Rapporteur Group Session	CM Rapporteur (Thomas TOVINGER)	Revised - see S5-000492
S5-000482	CM 9.3	32.106-3 CR: Correct IDL Errors	CM	Post-meeting approval
S5-000483	CM 9.3	32.106-3 CR: Identified Spelling Errors	CM	Post-meeting approval
S5-000484	CM 9.3	32.106-2 CR: Ensure consistency of description of event types and extended event types	CM	Post-meeting approval
S5-000485	CM 9.3	32.106-3 CR: Ensure consistency of text with IDL exception	CM	Post-meeting approval
S5-000486	CM 9.3	32.106-3 CR: Add pragma statement to Notification IRP IDL	CM	Post-meeting approval
S5-000487	CM 9.3	Withdrawn. Reason: Identical with S5-000459	CM	Withdrawn.
S5-000488	CM 9.3	CM Work Item Description and Work Plan	CM	Post-meeting approval
S5-000489	10	SA5 communication and liaison programme	BT (Dave MILHAM)	Noted.
S5-000490	CH 9.2	LS from S5 to S2 (cc: S1, IGC): Impact on Charging of Release 4 architecture	CH	Approved. Dispatched 22 Oct 00
S5-000491	CM 9.3	Report of CM (32.106) RG Session	CM Rapporteur (Thomas TOVINGER)	Noted.
S5-000492	CM 9.3	Revised Executive Summary of CM (32.106) RG Session	CM Rapporteur (Thomas TOVINGER)	Replaces S5-000481. Noted.
S5-000493	FM 9.4	Revised SA5#15 FM meeting report	FM Rapporteur (Patrick JURÉ)	Replaces S5-000474. Noted.
<b>Post-Meeting #15 Documents</b>				
S5-000494		Liaison from ITU Experts Meeting of Q14,15,19/4 to ETSI for forwarding to 3GPP (SA5) on the use of CORBA in the TMN	ITU Q14,15,19/4 (dlmatthews@att.com)	Dispatched 26 Oct 00
S5-000495		Reply from SA2 to SA5 (cc: CN1) to "LS on 2G/3G QoS profiles" (S2-001566)	SA2	Dispatched 26 Oct 00
S5-000496	CH	Proposal for WID on Charging Management (Feature)	SA5 Secretary	Dispatched 30 Oct 00
S5-000497	CH	Proposal for WID on Accounting Management (Building Block)	SA5 Secretary	Dispatched 30 Oct 00
S5-000498	AR	Proposal for WID on UE Management (Building Block)	SA5 Secretary	Dispatched 30 Oct 00
S5-000499	AR	Proposal for WID on Security Management (Building Block)	SA5 Secretary	Dispatched 30 Oct 00
S5-000500		SA5 Work Item Descriptions for Release R4/R5 - update	SA5 Secretary	Dispatched 30 Oct 00

NOTE: This document list is continuously updated. The latest version can be found at:  
[ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/S5DocLst.doc](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/S5DocLst.doc)

## Annex D: Documents to be provided to SA#10

NUMBER	TITLE	AGENDA ITEM	Document For
SP-000xy1	Status report from SA WG5 to SA#10 (presentation)	7.5.1	Information
SP-000xy2	Status report from SA WG5 to SA#10 (Word)	7.5.1	Information
SP-000xy3	32.106-5 (v1.2.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model version 1 (Release 1999)	7.5.3	Decision
SP-000xy4	32.106-6 (v1.0.0) Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	7.5.3	Decision
SP-000xy5	32.106-7 (v1.0.0) Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	7.5.3	Decision
SP-000xy6	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015)	7.5.3	Decision
SP-000xy7	CRs to 3G Performance Management (32.104)	7.5.3	Decision
SP-000xy8	CRs to Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1 (32.106-2)	7.5.3	Decision
SP-000xy9	CRs to Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set version 1:1 (32.106-3)	7.5.3	Decision
SP-000xz0	CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2)	7.5.3	Decision
SP-000xz1	CRs to Telecommunications Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (32.111-3)	7.5.3	Decision
SP-000xz2	Release 4/5 Work-Plan for SA5	7.5.3	Decision
SP-000xz3	Work Item Descriptions (WID) for SA5's Release 4/5 Feature: Charging and OAM&P (Operations, Administration, Maintenance & Provisioning) (S5-000510 to 514 and S5- 000516)	7.5.3	Decision
SP-000xz4	Work Item Description (WID) for SA5's Release 4 Feature: Subscription Management (S5-000517)	7.5.3	Decision
SP-000xz5	Work Item Description (WID) for SA5's Release 4 Feature: UTRAN OAM (S5-000515)	7.5.3	Decision
NOTE: Draft CRs after SA5#15: AR/PR 0 CH 1 CM 5 FM 5 PM 1			

## Annex E: CRs to be provided to SA#10

### E.1 SA WG5 Release 99 CRs at SA#10

Doc-1st-Level	Doc-2nd-Level	Spec	CR	Rev	Phase	Cat	Subject	Version-Current	Version-New	Work item
SP-000516	S5-000476	32.015	013		R99	F	Triggers for S-CDR closure	3.3.0	3.4.0	OAM-CH
SP-000517	S5-000479	32.104	008		R99	F	Clarification of measurement definition template	3.3.0	3.4.0	OAM-PM
SP-000518	S5-000484	32.106-2	001		R99	F	Consistent description of Event types and Extended event types	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000486	32.106-3	001	1	R99	F	Add pragma statement to Notification IRP IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000482	32.106-3	002		R99	F	Correction of IDL Errors	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000483	32.106-3	003		R99	F	Spelling Errors in the CORBA IDL	3.1.0	3.2.0	OAM-CM
SP-000519	S5-000485	32.106-3	004		R99	F	Ensure consistency with IDL exception	3.1.0	3.2.0	OAM-CM
SP-000520	S5-000469	32.111-2	003		R99	F	AlarmId shall not be changeable	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000470	32.111-2	004		R99	F	IRPAgent shall use notifyClearedAlarm (and not notifyChangedAlarm) to notify IRPManager about cleared alarms	3.2.0	3.3.0	OAM-FM
SP-000520	S5-000473	32.111-2	005		R99	F	Identification of valid Event Types and Extended Event Types within Notifications	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000472	32.111-3	001	1	R99	F	Allow "Structured Event Filterable Body Fields" to be absent if parameters are not used	3.2.0	3.3.0	OAM-FM
SP-000521	S5-000471	32.111-3	002	1	R99	F	Specific behaviour of the Iterator	3.2.0	3.3.0	OAM-FM

## Annex F: Specifications and Reports under SA5 responsibility

### F.1: SA WG5 Specifications and Reports

Type	Number	Title	Rel	current vers	frozen	WG prime	Rapporteur
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	R1999	3.2.0	Jun 00	S5	NENNER, Karl Heinz
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	R1999	3.3.0	Jun 00	S5	NENNER, Karl Heinz
TS	32.101	3G Telecom Management principles and high level requirements	R1999	3.2.0	Mar 00	S5	TRUSS, Michael
TS	32.102	3G Telecom Management Architecture	R1999	3.2.0	Mar 00	S5	BERGGREN, Tommy
TS	32.104	3G Performance Management	R1999	3.3.0	Mar 00	S5	NENNER, Karl Heinz
TS	32.105	3G Charging and Billing; Stage 2 description	R1999	0.0.4	Mar 01	S5	NENNER, Karl Heinz
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	R1999	3.1.0	Mar 00	S5	Trevor PIRT, Motorola
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	R1999	3.1.0	Mar 00	S5	Edwin TSE, Ericsson
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	R1999	3.1.0	Mar 00	S5	Randall SCHEER, Lucent Technologies
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	R1999	3.1.0	Mar 00	S5	Di ZHOU, Siemens
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	R1999	1.0.0	Dec 00	S5	TOVINGER, Thomas
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	R1999	0.1.0	Dec 00	S5	TOVINGER, Thomas
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	R1999	0.1.0	Dec 00	S5	Di ZHOU, Siemens
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	R1999	3.1.0	Mar 00	S5	TOVINGER, Thomas
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	R1999	3.2.0	Jun 00	S5	JURE, Patrick
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.2.0	Jun 00	S5	JURE, Patrick
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	R1999	3.2.0	Jun 00	S5	JURE, Patrick
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	R1999	3.2.0	Jun 00	S5	JURE, Patrick
TS	32.140	3G Service Management Requirements & Framework	Rel4	0.1.0	Mar 01	S5	CARYER, Geoffrey
TR	32.800	Management Level Procedures and Interaction with UTRAN	Rel4	0.1.0	Mar 01	S5	HIJDRA, Martijn

## Annex X: List of 3GPP WG SA5 office holders

Lastname	Firstname	Representing Organisation	Role	Start Date	End Date	Notes
Cabrera	Inaki	AIRTEL Movil SA	Convenor	1998/12/07	1999/03/01	
Yuhan	Albert	VoiceStream Wireless Corp.	Chairman	1999/03/01		
Truss	Michael	MOTOROLA Ltd	ViceChairman	1999/06/04		
Pope	Maurice	ETSI Secretariat	SECRETARY	1998/12/07	1999/03/01	
Sanders	Michael	ETSI Secretariat	SECRETARY	1999/03/01	2000/01/24	
Zoicas	Adrian	ETSI Secretariat	SECRETARY	2000/01/26		

### List of Rapporteurs

SA5 RG	Lastname	Firstname	Representing Organisation	Start Date	End Date	Notes
AR	Truss	Michael	MOTOROLA Ltd	1999/06/04		
PR	Berggren	Tommy	TELIA AB	1999/06/04		
CH	Deakin	Ian	MOTOROLA Ltd	1999/07/22	2000/07/24	
CH	Nenner	Karl-Heinz	Deutsche Telekom MobilNet	2000/07/25	2000/10/20	
CH	Kobylarz	Thaddeus	AT&T Corp.	2000/10/20		
CM	Tovinger	Thomas	ERICSSON L.M.	1999/07/22		
FM	Cicchitto	Gaetano	SIEMENS ICN S.p.A	1999/07/22	2000/07/28	
FM	Jure	Patrick	Lucent Technologies France	2000/07/29		
PM	Nenner	Karl-Heinz	Deutsche Telekom MobilNet	1999/07/22		

## Annex Y: List of incoming & outgoing Liaison Statements

Tdoc	Agenda	Title	Source	Status
<b>List of incoming Liaison Statements</b>				
S5-000425	6, CM 9.3 FM 9.4	TMN CORBA Standards Contributions: draft ITU-T SG4 standards Q.816, the TMN CORBA framework services, and X.780, the TMN CORBA framework object modelling	ITU Q14,15,19/4, Geoff CARYER (BT), Keith ALLEN (SBC Technology Resources)	Dispatched 22 Sep 00 Discussed.
S5-000440	6, AR 9.1	LS from S1 (OSA) to CN5 [cc: S1 (VHE), S2 (VHE), S5] on "connectivity management and virtual operator concept"	S1 (OSA)	Discussed.
S5-000461	6, AR 9.1	LS from S1 R00 ad-hoc on "Operation, Administration & Maintenance regarding IM CN subsystem"	S1 R00 (IP) ad-hoc	Discussed.
<b>List of outgoing Liaison Statements</b>				
S5-000462	AR 9.1	LS from S5 to GERAN3 (cc: RAN3) on Co-ordination of GERAN-specific O&M specification	AR	Approved. Dispatched 22 Oct 00
S5-000464	AR 9.1	LS from S5 to S1 (cc: S2, T2, T3) on provisionally approved SA5 Work Item Description (BB): "Subscription Management"	AR	Approved. Dispatched 22 Oct 00
S5-000465	AR 9.1	LS from S5 to S1 ad-hoc R00 on Operation, Administration, Maintenance & Charging regarding IM CN subsystem	AR	Approved. Dispatched 22 Oct 00
S5-000466	AR 9.1	LS from S5 to T2 on MExE and User Equipment Management	AR	Approved. Dispatched 22 Oct 00
S5-000490	CH 9.2	LS from S5 to S2 (cc: S1, IGC): Impact on Charging of Release 4 architecture	CH	Approved. Dispatched 22 Oct 00



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## Annex Z: Access to 3GPP documents

This annex briefly outlines some of the more important locations of information that all SA5 members should be aware of.

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### Z.1 3GPP email lists

To receive information about SA5 issues, all delegates and other interested parties MUST register for email list 3GPP\_TSG\_SA\_WG5. This can be done by sending an email to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) with the following single line of text in the body of the message:

```
subscribe 3GPP_TSG_SA_WG5 YourFirstName YourLastName
```

There are many other 3GPP email lists that may also be of interest.

Go to [http://www.3gpp.org/Discussion\\_Lists/e-mail.htm](http://www.3gpp.org/Discussion_Lists/e-mail.htm) for further information.

If at any time you would like to confirm which lists you are currently a member of, just sent a message to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) with the following single line of text in the body of the message:

QUERY \*

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### Z.2 Email archives

All 3GPP lists have an associated **archive of every email sent** via that list. Information on how to access the archive are sent to you when you subscribe to the list. This means that if you have temporary email problems, or have just joined the group, you can check to see if you have missed any messages. The easiest way to search the archive is first to request a list of all messages sent to the particular group you are interested in. For example, to get a list of messages sent via the 3GPP\_TSG\_SA\_WG5 list between 1 May 2000 and the current date, send the following command to [listserv@list.3gpp.org](mailto:listserv@list.3gpp.org) :

```
search * in 3GPP_TSG_SA_WG5 since May 2000
```

As well as a list of emails sent, you receive instructions about how to retrieve the emails.

3GPP archives are also available via a WWW interface. For SA5, go to: [http://list.3gpp.org/archives/3gpp\\_tsg\\_sa\\_wg5.html](http://list.3gpp.org/archives/3gpp_tsg_sa_wg5.html)

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### Z.3 Meeting calendar, invitations and registration

The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: <http://www.3gpp.org/Meetings/meetings.htm>

In particular, the invitations to WG5 meetings are made available under the directory:

[ftp://ftp.3gpp.org/tsg\\_sa/wg5\\_tm/invitations/](ftp://ftp.3gpp.org/tsg_sa/wg5_tm/invitations/); and also in the subdirectory of the individual meeting; e.g. for SA5 meeting #15 it can be found on the server at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_15/Invitation/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Invitation/)

#### On-line meeting registration

An on-line meeting registration tool allows the participants to register via a web interface. You are kindly requested to register at <http://webapp.etsi.org/3GPPRegistration>

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### Z.4 Meeting documents on the server

Document **S5DocLst.doc** contains the Year 2000 Document List, which is continuously updated. The latest version can be found at [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/S5DocLst.doc](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/S5DocLst.doc)

All documents submitted to SA5 meetings are available on the 3GPP server in a directory (related to the number of the meeting) under: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/)

E.g. all the documents for SA5 meeting #14 can be found on the server either individually at:  
[ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_14/Docs/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/) or altogether, including the final list of documents ([\\_s5DocLst.doc](#)) in a zip archive at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/TSGS5\\_14/Docs/zip/s5-14.zip](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_14/Docs/zip/s5-14.zip)

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## Z.5 Specifications (TSs/TRs) on the Server

### Z.5.1 Locations of 3GPP specifications

The 3GPP-specifications "Status List" can be found at: [http://www.3gpp.org/3G\\_Specs/3G\\_Specs.htm](http://www.3gpp.org/3G_Specs/3G_Specs.htm)

After each and every TSG SA meeting the updated 3GPP Specifications set is made available on the 3GPP server at:  
<ftp://ftp.3gpp.org/Specs/>

E.g. the September 2000 Specifications set can be found at: <ftp://ftp.3gpp.org/Specs/2000-09/>  
& the SA5-produced R99 specifications can be found at: [ftp://ftp.3gpp.org/Specs/2000-09/R1999/32\\_series/](ftp://ftp.3gpp.org/Specs/2000-09/R1999/32_series/)

- The SA5-produced specifications are also copied in the SA5 meeting directory at:  
[ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/specs/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/specs/)  
E.g. for TS 32.101 at: [ftp://ftp.3gpp.org/TSG\\_SA/WG5\\_TM/specs/32101/](ftp://ftp.3gpp.org/TSG_SA/WG5_TM/specs/32101/)  
Previous versions of these specifications can be found in the same subdirectories.

#### Z.5.1.1 Location of Latest drafts of 3GPP specifications

Latest drafts of 3GPP specifications can be found at: [ftp://ftp.3gpp.org/Specs/Latest\\_drafts/](ftp://ftp.3gpp.org/Specs/Latest_drafts/)

E.g. the latest SA5 drafts can be found at: [ftp://ftp.3gpp.org/Specs/Latest\\_drafts/32\\_series/](ftp://ftp.3gpp.org/Specs/Latest_drafts/32_series/)

### Z.5.2 Location of GSM specifications

With the closure of the ETSI TC SMG, the GSM specifications had been moved to their new home at:  
<http://www.3gpp.org/ftp/Specs/GSM/>  
<ftp://ftp.3gpp.org/Specs/GSM/>

## History

Document history		
Ver. 1.0	10 November 2000	DRAFT Report (S5-000501) submitted to SA5 for comment & approval at SA5#16 in Tokyo, JAPAN on 1 December 2000 and posted at: <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Report/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Report/</a> and <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_16/Docs/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_16/Docs/</a>
	1 Dec 2000	Approved without change at SA5#16 in Tokyo, JAPAN as S5-000555 and posted at: <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Report/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_15/Report/</a> and <a href="ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_16/Docs/">ftp://ftp.3gpp.org/TSG_SA/WG5_TM/TSGS5_16/Docs/</a>