

TSGS#27(05)0375



Text report in SP-050208

SA1 Status Report to SA#28 SP-050375

**Michele Zarri, T-Mobile
SA1 Chairman**

**Paul Carpenter, RIM; Chris Sachno, NTT DoCoMo
SA1 vice chairmen**

...T...Mobile...

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SA1 Leadership

- **Chairman: Michele Zarri (T-Mobile)**
- **Secretary: Michael Clayton (MCC)**
- **Vice-chairs:**
- **Paul Carpenter (RIM),**
 - Elected at SA1#28
- **Chris Sachno (NTT DoCoMo),**
 - Elected at SA1#23

NEW!

SA1 Sub Working Groups

- **LoCation Services (LCS)**
- **Wireless LAN (I-WLAN)**
- **Priority Services**
- **AIPN (All-IP Network)**
- **CSICS (CS and IMS Combinational Services)**
- **Multi-system terminals**
- **Network Protection**

Meetings Held

- **SA1 Plenary**
 - SA1#28: 04 – 08 April 2005
 - Beijing, China
 - Hosted by Huawei
- **SA1 SWGs**
 - 02 – 04 May 2005
 - Kista, Sweden
 - Hosted by Ericsson

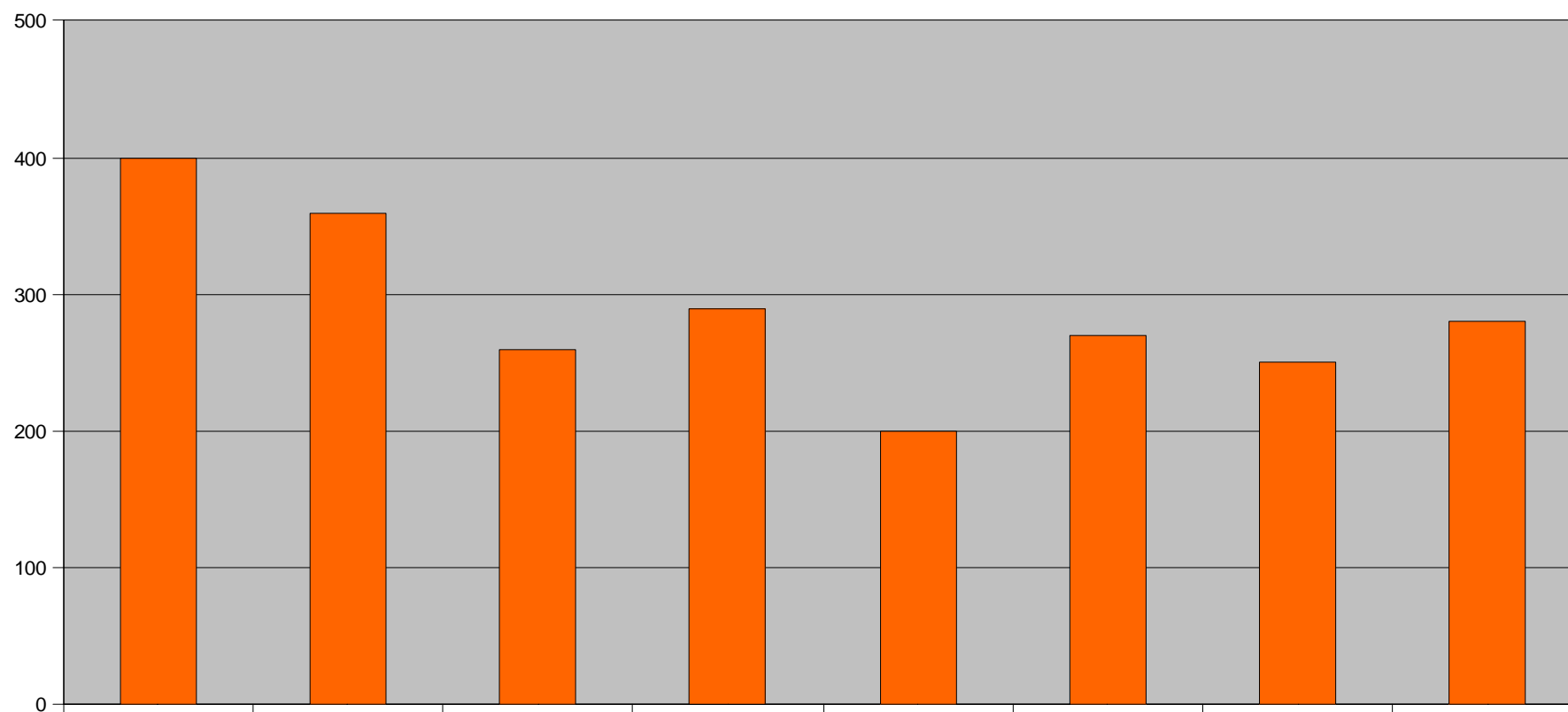
SA1 General Progress

- **Work progressing on Rel-7 work items particularly AIPN, CSICS, Network selection principles**
- **4 new WID's agreed**
- **Fulfilled most of the requests for action coming from SA plenary**
- **Paul Carpenter from RIM elected Vice Chairman of SA1 for the second time**
- **The chairman would like to thank Paul for chairing the second part of the last meeting**

SA1 General Progress stats

- Received **29** Liaison statements
- Agreed **42** Change requests
- Agreed **5** new work items or revised WIDs
- Sent **9** liaison statements
- Agreed **3** TS and/or TR for information or approval
- Handled 283 documents

SA1 Documents



Sub working groups, Ad hocs summaries

- **Priority** (chaired by James Garrahan from Telcordia)
- **LCS** (chaired by David Williams from Qualcomm)
- **CSICS** (chaired by John Watson from Vodafone)
- **AIPN** (chaired by Chris Sachno from NTT DoCoMo)
- **Network selection principles** (chaired by Paul Carpenter from RIM)
- **Voice continuity ad-hoc** (chaired by Luisa Marchetto from Cingular)

The Chairman would like to thank the SWG chairs for their hard work during the meeting

Priority SWG

- **7** participants from **6** companies
- **4** input documents, **2** output documents
- The meeting **agreed in principle** to additional text for Directed Retry Handover for TR 22.952.
- The meeting **noted** the draft of the MPS Feasibility Study TR 22.953 (v 0.5.0).
- The meeting **agreed** to additional Use Cases (to support Priority Service for VoIP and PoC) for TR 22.953 (Annex A).
- The meeting **agreed in principle** to a revised draft of the MPS Feasibility Study TR 22.953 (v 0.6.0) as a basis for future contribution.

LCS SWG

- **LCS in I-WLAN feasibility study**
 - TR 22.935 v1.1.0 was prepared based on contributions
 - Request to send it to SA#28 for approval.
 - New clause 5 on Technical Service Requirements.
 - Annex B on implementation removed.
 - References to OMA SUPL included.
- **LCS in I-WLAN requirements**
 - Long discussion on whether Access Point identity should be sent to LCS client.
 - LCS SWG agreed in principle that there will be requirements for LCS in I-WLAN in TS 22.071 but the CR (S1-050371) is not ready yet.
 - The CR to TS 22.234 is OK from an LCS point of view but outside the scope of LCS SWG (S1-050372).
- **Privacy**
 - CR to TS 22.071 to allow a subscriber to decide whether to give up his privacy in certain circumstances.
 - CR revised to say that the operator shall be able to determine the location of the target UE.
 - Revised CR agreed (S1-050432).

CSICS SWG (I/II)

- This was the 5th Circuit Switched IMS Combinational Service SWG Meeting - The 'XIX' Club
- TR22.979 has been successfully approved by SA
- Drafting of TS22.279 'Combined CS Calls and IMS Sessions' is now complete.
- **Combinational Services:**
 - Promote the uptake of IMS services
 - Make best use of existing CS infrastructure
 - Fast set-up by predicting the users need to add an IMS session to an ongoing CS call or vice-versa

CSICS SWG (II/II)

- **SA1 XIX and SA2 CSI achieved complete alignment of the Stage 1 requirement and Stage 2 architecture timescales during our joint meeting**
- **Revised WID agreed by both SA1 and SA1 SWGs**
- **No further significant changes to TS22.279 are envisaged and the TS is considered ready for sending to SA#28**
- **It would be highly beneficial to align the TS 22.279 and TS 23.279 approval timescales to enable early deployment of combinational services and stimulate uptake of IMS services.**

AIPN SWG (I/II)

- The AIPN SWG met for three quarter days during SA1#27 in Beijing
- 32 contributions were handled (one partially handled)
- The topics covered included
 - Corrections to the AIPN Feasibility Study
 - Improvements to the AIPN Feasibility Study
 - Multicast and group communication
 - Service Adaptation
 - Multiple user roles and identities/addresses
 - Integrated rich services
 - Content based charging

continued...

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AIPN SWG (II/II)

continued...

- **Start of work on the AIPN Stage 1**
 - Introduction and general description
 - Mobility Management requirements
- **Actions from the SA1#28 Plenary**
 - » Timeline for the AIPN Stage 1 → no changes necessary to the timescales for the AIPN Stage 1
 - » Inclusion of chapter to capture service requirements for Evolved UTRA and UTRAN within the AIPN Stage 1 in TS 22.258
- **Other issues**
 - Decided that work on the AIPN Feasibility Study is frozen from SA1#28 onwards.
 - » Future work of the AIPN SWG will be production of the AIPN Stage 1 in TS 22.258

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Network selection principles (I/III)

- The inaugural meeting of the NSP SWG was well attended (26 participants) featuring contributions from 5 companies.
- In line with the approved Network Selection Principles WID (SP-050184) the SWG began work on the development of a new .8xx series TR to review the principles on which Network Selection is based.
- It was agreed that the TR will document known limitations of the current 3GPP procedures as well as new requirements arising from the development of new features within 3GPP.

Network selection principles (II/III)

- The TR will conclude on whether there is a need for additional standardisation and if so in which areas this is required.
- There was good early progress on the TR, with initial material agreed in the sections on Scope, Limitations of Current Specifications and Requirements of Future Developments.
- It was agreed that in order to progress this work within the Rel-7 timescale an additional meeting should be held prior to the next SA1 meeting.

Network selection principles (III/III)

- **Kista SWG made further progress on TR22.811**
 - 13 Input contributions all from operators.
 - New material covering Operator Controlled Blacklists, RAT Preferences, Manual Network Selection was agreed.
 - The intention is to send the TR to SA#29 for Information and it should then be distributed to other Working Groups.
 - The latest version (V.0.4.1) is available in S1-050590
- **The schedule is to send TR22.811 to SA#30 for approval and complete any necessary work in Rel-7. The WID has been updated to reflect this.**

Voice Continuity ad-hoc (I/II)

- SA1 held an ad hoc meeting during SA1#28 in April to continue discussions on the requirements for VCC.
 - This fulfills the **action item** from SA to begin considering the requirements for the VCC WID.
- 26 participants from 21 companies participated.
- The meeting included participants from SA2 to introduce the WID and answer any questions on the scope of the WID.
- WID in SP-050177 reviewed and following aspects clarified:
 - Scope not limited to voice call continuity between CS domain & I-WLAN
 - No overlap with I-WLAN Scenario 6
 - No new NW selection procedures needed

Voice Continuity ad-hoc (II/II)

- **Discussions and definition of high level requirements continued at the SA1 SWGs in May.**
 - A CR to 22.101 with high level requirements and an LS to SA2 & SA3 informing them of the SA1 status were agreed.
 - The CR (**S1-050581**) and LS (**S1-050582**) were **approved** by email approval.
- **Further requirements definition to address charging, etc. expected at SA1#29.**

Videotelephony

- Inaugural VideoTelephony (VT) SWG meeting took place during the SA1 SWGs meeting in Kista, Sweden on Monday 2nd May 2005.
- There were 5 input contributions - all handled.
- The following topics were covered during the meeting
 - Review of TR 22.903 v0.1.0 'Study on Videotelephony Teleservice' baseline
 - GSMA PRD SE.34 'V-Services: 3G Video Telephony'
 - Overview of Videotelephony in 3GPP up to Rel-6
 - Videotelephony user service requirements
 - Work Plan
 - No modifications needed to the schedule in the WID
- 1 output document
 - TR 22.903 v0.2.0 in S1-050572

New & updated Work Items

UPDATES

- **Network Selection Principles**
- **Combinational services**

NEW

- **Personal Network Management**
- **Multimedia Telephony Capabilities for IMS**
- **Transferring of emergency Call data**
- **MBMS enhancements**

Network selection principles

WID update

- **SA1 is now in a position to identify the deliverables hence timescales in the WID have been updated.**

Combinational Services WID update

- **SA1 decided to produce a stage 1 TS for Combinational services (TS22.279), rather than just CRs to existing specifications**
- **The update also references the new CSI WID recently approved by CT**
- **References to the new Stage 1 have been added**
- **The expected timescale has been revised**

Personal Network Management WID

- During the AIPN work some areas have been identified which may be progressed with different timescales and for this reason a new WID has been created
- The WID will investigate requirements for the following:
 - *Personal Network*
 - *Personal Area Network*

Multimedia Telephony Capabilities for IMS (MITE)

- **TISPAN is defining an IMS based Multimedia Telephony service, that is similar but not identical to the CS based Telephony service provided by traditional ISDNs and PSTNs. TISPAN has named this service PSTN/ISDN simulation Service.**
- **A similar service, defined by 3GPP, is needed for wireless access to IMS, in order to be able to define services to the end-users, and to support interoperability in multi-vendor and multi-operator environment and to provide the user with the same experience across the different IP based accesses and domains.**

NEW!!

Transferring of emergency Call data WID

- **Within the context of the eSafety initiative of the Commission for the European Community (CEC) eCall was defined as a means to transfer emergency call data. In order to achieve a globally acceptable solution SA1 has agreed to start a work item to capture the requirements on the 3GPP system.**

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MBMS Enhancements WID

- Although the basic functionality already exists in Rel-6 MBMS, additional requirements are necessary to enhance the current MBMS in Rel-7 to enable services such as
 - E-learning
 - PoC enhancements
 - Digital TV distribution
- Also access via WLAN, transport of IMS based services, requirements for generating MBMS content will be addressed

Release 7 status

- Based on the status of the currently active WIDs it is expected that **most of the Release 7 stage 1 work will be completed by TSG SA #29 (September 2005)**
- Some allowances may need to be made for major work items where there are clear dependencies of work carried out in other groups (e.g. Network selection, AIPN)
- New work items provided for approval at this meeting are not scheduled for completion by TSG SA #29 (September 2005)

Other issues/highlights

- **Joint meeting with SA2 on AIPN/SAE**
 - SA1 gave an overview of the AIPN technical report and of the future work on the AIPN technical specification to SA2
 - Agreed to exchange information regularly by means of LSs between the groups so that the work can be synchronised
 - Still not clear how the AIPN requirements will be mapped into the SAE
 - Possible additional meeting in February 2006 (exploiting the co-location)

Actions on WG1 allocated during SA#27 (I/XIV)

- **A27-01 I-WLAN CR clarification**
 - CR13 in SP-050061 sent back to SA1: there is a need to clarify what the term “based” means as well as to consider the SA2 report indicating that SMS and MMS will not be supported in Release 6. The Release 7 version of the same CR was approved. SA1
- **Status:**
 - CR updated accordingly at SA1#28 and provided to this meeting for approval. Completed.

Actions on WG1 allocated during SA#27 (II/XIV)

- **A27-02 OSA service broker CR**
 - CR 76 in SP-050065 sent back to SA1 as it was not clear if the service broker concepts applies also to IMS. The corresponding work item description was approved at SA.
- **Status:**
 - CR updated accordingly at SA1#28 and provided to this meeting for approval. Completed.

Actions on WG1 allocated during SA#27 (III/XIV)

- **A27-03 VGCS (action 1 of 2)**
 - CR 8 in SP-050067 was approved with a small editorial modification (“respectively” instead of “resp.” in the first paragraph. However, TSG SA asked SA1 to improve the text on addressing of SMS in order to avoid confusion in the technical realisation of the requirement.
- **Status:**
 - CR updated accordingly at SA1#28 and provided to this meeting for approval. Completed.

Actions on WG1 allocated during SA#27 (IV/XIV)

- **A27-04 VGCS (action 2 of 2)**
 - As the new work item may have significant impact on the GERAN work, TSG SA asked that the draft requirements prepared in SA1 for the “Improvements to the VGCS” WID (SP-050075) are sent immediately to GERAN1 for comments.
- **Status:**
 - No CRs produced for this work item at SA1#28. However, CRs will be provided to GERAN when produced. Ongoing.

Actions on WG1 allocated during SA#27 (V/XIV)

- **A27-05 Closure of TSG T WG2 consequences**
 - As T2 was closed, two documents have been transferred under the responsibility of SA1. Although they are both in dormant state, it would be beneficial to find an editor for these documents as well as evaluating the need to create later releases for these documents.
 - TR 34.907: Report on electrical safety requirements and regulations (Current Release: REL-99)
 - TR 34.925: Specific Absorption Rate (SAR) requirements and regulations in different regions (Current Release: REL-99)
- **Status:**
 - Paul Carpenter (RIM) volunteered to act as Rapporteur for these TRs. Completed.

Actions on WG1 allocated during SA#27 (VI/XIV)

- **A27-06 RAN evolution study item**
 - TSG newRAN is asking SA1 to state what the service requirements would be for the RAN evolution in particular with regards to the throughput. It was suggested to capture these requirements in a liaison statement to the newRAN TSG rather than creating change requests to existing specifications.
- **Status:**
 - LS containing guidance and feedback on the service requirements (including throughput requirements) for EUTRA(N) produced and sent to TSG RAN WGs. Service Requirements for EUTRA(N) will also be captured in the AIPN Stage 1 (TS 22.258). Completed.

Actions on WG1 allocated during SA#27 (VII/XIV)

- **A27-07 Voice continuity WID**
 - SA1 has been asked to provide input to SA2 as soon as possible on the new WID in SP-050177. In particular user requirements are needed for the work to progress.
- **Status:**
 - CR to capture high level requirements provided to this meeting for approval. LS on this subject also produced and sent to SA2 (Copy: SA). Completed.

Actions on WG1 allocated during SA#27 (VIII/XIV)

- **A27-08 Emergency calls in PS domain**
 - As the stage 2 and stage 3 have not been completed on time, TSG SA asked SA1 to delete the requirements for the support of emergency calls in PS domain from TS 22.228 release 6. It should also be evaluated if the requirement should remain in Release 7 or if instead companies should reintroduce the requirement with a subsequent CR so that the need for this requirement could be reassessed.
- **Status:**
 - CRs to remove requirements from Rel-6 produced and provided to this meeting for approval. Requirements in Rel-7 unaffected. Completed.

Actions on WG1 allocated during SA#27 (IX/XIV)

- **A27-09 Wrong definition**
 - The vocabulary document contains the wrong definition of OSA (A stands for Access not Architecture). It was recommended to correct this.
- **Status:**
 - CR produced at SA1#28 and provided to this meeting for approval. Completed.

Actions on WG1 allocated during SA#27 (X/XIV)

- **A27-10 Release 7 stage 1 freezing date estimation**
 - TSG SA agreed to fix September 2005 as a tentative freeze date for the stage 1 requirements of Release 7, however the progress will be assessed at the following meeting and SA1 is invited to provide an estimation on the feasibility of freezing the stage 1 requirements by this date.
- **Status:**
 - Provided in slide 28 of this status report. Completed.

Actions on WG1 allocated during SA#27 (XI/XIV)

- **A27-11 Selective capabilities disabling (action 1 of 2)**
 - As a consequence of the recent activity on this WID, SA2 will need to take a look at an architecture that fulfils the requirements. TSG SA requested to update the WID or alternatively to link the SA1 WID with a corresponding SA2 WID.
- **Status:**
 - Completed during SA#27 hence no action in SA1 needed. Completed.

Actions on WG1 allocated during SA#27 (XII/XIV)

- **A27-12 Selective capabilities disabling (action 2 of 2)**
 - As some concerns were raised on the list of services contained in the approved CR, TSG SA invited SA1 to further study this issue.
- **Status:**
 - No input provided to SA1#28. Input from interested companies needed to complete this action. Ongoing.

Actions on WG1 allocated during SA#27 (XIII/XIV)

- **A27-13 Network selection principles review**
 - TSG SA asked SA1 to cooperate with the relevant groups before agreeing any requirement on this topic. As the technical report is concluded, there may be the need to organise a workshop on this subject.
- **Status:**
 - TR is currently being developed. Will be provided to relevant groups after SA1#29. Ongoing.

Actions on WG1 allocated during SA#27 (XIV/XIV)

- **A27-14 Combinational services**
 - The TSG SA chairman invited member companies to contribute to the stage 1 work in order to stage 2 and stage 3 reworking in the case where the requirements are not met.
- **Status:**
 - Cooperation between SA1 and SA2 on combinational services at SA1#28. TS finalised based on this work and provided to this meeting for approval. Completed.

Future SA1 Plenary Meetings

SA1#29 **11 July – 15 July 2005 Povo de Varzim, Portugal**

SA1#30 **24 October – 28 October 2005 Vancouver, Canada**

SA1#31* **13 – 17 February 2006 Newcastle, UK.**

SA1#32* **03 April – 07 April 2006** **TBD, Asia**

*** Co-located with SA2**

Documents and Issues for discussion, information and approval

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Documents from SA1 to SA (I/III)

- SP-050207 Presentation of SA1 to SA #28
- SP-050208 Status Report of SA1 to SA #28
- SP-050209 CRs to 02.68 and 42.068 on Correction on the use of calling subscriber and destination subscriber (R99, Rel-4 Rel-5, Rel-6, Rel-7)
- SP-050210 CRs to 02.69 and 42.069 on Correction on the use of calling subscriber and destination subscriber (R99, Rel-4 Rel-5, Rel-6)
- SP-050211 CRs to 22.024 on AoC in SCUDIF (Rel-5, Rel-6)
- SP-050212 CRs to 22.086 on AoC in SCUDIF (Rel-5, Rel-6)
- SP-050213 CRs 21.905 on Correction of abbreviation of OSA (Rel-6, Rel-7)
- SP-050214 CRs to 22.078 on Correction to interworking between CAMEL and SCUDIF calls (Rel-6, Rel-7)
- SP-050215 CRs to 22.101 and 22.234 on Removal of requirements for emergency calls for IMS and PS (Rel-6)
- SP-050216 CRs to 22.101 on Service Provider Name (Rel-6, Rel-7)
- SP-050217 CR to 22.228 on Requirements for the handling of SIP URIs with Presence or IM prefixes (Rel-6)

Colour coding

Information

Technical specification/report

Change request

Work Item Description

Documents from SA1 to SA (I/III)

- SP-050218 CR to 22.234 on support of 3GPP PS services (Rel-6)
- SP-050219 CRs to 22.127 on Additional requirements for OSA service broker (Rel-6)
- SP-050220 CR 22.038 on Correction of WLAN into I-WLAN (Rel-7)
- SP-050221 CR to 22.071 on Introducing notification based on current location of target UE (Rel 7)
- SP-050222 CRs to 22.234 on Clarification of LCS in I-WLAN and corrections (Rel-7)
- SP-050223 CRs to 22.978 with various subjects (Rel-7)
- SP-050224 CRs to 42.068 with various subjects (Rel-7)
- SP-050225 CRs to 22.101 to include Voice Call Continuity requirements (Rel-7)
- SP-050226 **TS 22.279 (v1.0.0) - Combined CS Calls and IMS Sessions**

Colour coding

Information

Technical specification/report

Change request

Work Item Description

Documents from SA1 to SA (I/III)



- SP-050227 Update of Network Selection Principles WID
- SP-050228 Update of WI for Combined CS Calls and IMS Sessions
- SP-050229 New WI for Personal Network (PN) and Personal Area Network (PAN)
- SP-050230 New WI for Multimedia Telephony Capabilities for IMS
- SP-050231 New WI for Transferring of emergency Call data
- SP-050232 New WI for MBMS Enhancements

Colour coding

Information

Technical specification/report

Change request

Work Item Description