



SP-000281

TSG-S2 Status Report at TSG-SA#8 Meeting
Agenda point 6.2.1 26-28.06.2000

3GPP TSG S2 Report



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SA2 Status Report Plan

- ▼ General aspects (events since SA#7, statistics, next meetings)
- ▼ Main technical discussions and decisions for R99
- ▼ Main technical discussions and decisions for R00
- ▼ Actions expected from SA#8 by S2



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General aspects (1/4)

▼ Events since last TSG-SA plenary

□ Between SA#7 and SA#8 (14 weeks), SA2 has met **FIVE** times, once as “plenary”, four times as “drafting” (but actually covering several subjects and followed by S2 e-mail approval):

⇒ SA2 drafting 1 (partly join with N1): 10th to 14th of April in, Finland (Nokia)

⇒ SA2 drafting 2: 25th to 27th of April, UK (Nortel)

⇒ SA2 drafting 3: 9th to 11th of May, Sweden (Ericsson)

⇒ SA2#13: 22th to 26th of May, in Germany (Siemens)

⇒ SA2 drafting 4 (partly join with CN and N1): 12th to 15th of June, in Sophia Antipolis (ETSI)



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General aspects (2/4)

□ Activities of the S2 ad-hocs

In addition to the meetings mentioned on previous slide, dedicated sessions were handled on specific subjects:

⇒ VHE/OSA, chaired by A. Milinski (Siemens) and C. Gourraud (Ericsson)

⇒ QoS, chaired by M. Greis (Nokia)

⇒ LCS, chaired by J. Kall (Nokia)

⇒ 3GPP Project Planning, chaired by T. Jarvela (Nokia) and A. Sultan (ETSI)

– Separate presentation in agenda point 6.6 (SP-000316, SP-000329, SP-000330)

⇒ Several late night and early morning sessions, chaired mainly by M. Olsson (Ericsson) and L. Daniel (Lucent)

□ Lot of work handled by e-mail, monitored by Y. Hiramatsu (TSG-S2 Vice-Chairman)

GREAT THANKS TO ALL OF THEM !!



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General aspects (3/4)

▼ **Next S2 meeting dates**

- ❑ TSG-S2 drafting, August 15-18, 2000 (tentative)
- ❑ TSG-S2#14, September 4-8, 2000 - consortium of UK companies, Bristol
- ❑ TSG-S2 drafting, October 2-6, 2000 (tentative)
- ❑ TSG-S2 drafting, October 30 Oct. - 3 Sept. (tentative)
- ❑ TSG-S2#15, November 13-17, 2000 - host needed



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General aspects (4/4): SA2 statistics

- ▼ **The number of participants at each meeting is close to 100.**
- ▼ **In addition, nearly 800 people are registered on the SA2 e-mail list.**
- ▼ **Since the beginning of the year:**
 - **SA2 has handled some 1200 temporary documents**
 - **Liaison Statements:**
 - ⇒ **SA2 has received 143 LSs (40 since SA#7)**
 - ⇒ **SA2 has sent 72 LSs (18 since SA#7)**



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Main technical discussions and decisions for R99

▼ Stabilisation of the R99 TSs:

A lot of corrective CRs have been provided on R99 TSs and are submitted to SA approval:

- ❑ On 23.060 (GPRS/PS domain stage 2): *CR list in SP-000282*
- ❑ On 03.32 (Geographical Area Description, under SMG responsibility): *CR list in SP-000283*
- ❑ On 03.71 (R98) and 23.171 (R99) (LCS stage 2): *CR list in SP-000284*
- ❑ On 23.107 (QoS): *CR list in SP-000285*
- ❑ On 23.127 (VHE/OSA): *CR list in SP-000286*



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Main technical discussions and decisions for R00 (1/3)

- ▼ **On Multimedia Call Control Protocol (S2-000426):**
 - **The single protocol applied between the UE and CSCF (over the Gm reference point) within the R00 architecture will be based on SIP (as defined by RFC 2543, other relevant RFC's, and additional 3GPP enhancements).**



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Main technical discussions and decisions for R00 (2/3)

▼ IP version issues (S2-000766):

- Both IPv4 / IPv6 can be supported for IP transport between RNC, SGSN and GGSN and IP transport for the CS Domain (no change from R99).
- The R00 IM CN subsystem shall exclusively support IPv6 and the R00 UE shall exclusively support IPv6 for the connection to R00 IM services, but the exact set of IPv6 functions (such as IPSec, IP multicast etc.) that will be mandated in R00 standards is FFS.
- The UE shall be able to access IPv4 and IPv6 based services (as to support existing data services on Intranet, Internet, ...).



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Main technical discussions and decisions for R00 (3/3)

- ▼ **The Reference Architecture shown in 23.821 is consolidated.**
- ▼ **On Roaming (S2-000769 and S2-001156):**
 - **The HSS in the home network shall designate which Call Control entity the roaming user shall use: the CSCF in the Home network or the CSCF in the visited network.**
- ▼ **Some flows on Registration procedure have been agreed (S2-001175)**
- ▼ **ALL THESE CONCLUSIONS ARE REFLECTED IN 23.821, PRESENTED FOR INFORMATION (IN VERSION 1.0) IN TDOC S2-000287.**



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**Summary of the work performed by SA2
between SA#7 and SA#8**

- ▼ **With 23.821 v.1.0.0, work concentrated on the following identified key issues:**
 - ❑ **Domain definitions**
 - ❑ **Call Control and Roaming**
 - ❑ **Addressing Identifiers and Routing**
- ▼ **Next targets:**
 - ❑ **Work will continue on identified key issues (S2-000279 and S2-001016)**
 - ❑ **Transfer the content of TR23.821 as CRs to**
 - ➡ **Existing relevant TSs (23.002, 23.060, etc)**
 - ➡ **Newly created TS to describe Stage 2 for IM CN Subsystem**



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▼ S2 Schedule

- ❑ Work 80% complete in September, 2000 (earlier June, 2000)
- ❑ Work 100% complete in December, 2000 (earlier September, 2000)

▼ Work transferred to TSG-CN or agreed to be done in TSG-CN:

- ❑ MSC-server work

⇒ Details will be sorted out shortly by email

- ❑ Interworking with PSTN/ISDN and with Internet



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Actions expected from SA#8 by SA2 (1/4)

Presentation for information:

- ▼ TS 23.821 v.1.0.0 on “Architecture Principles for Release 2000” in SP-000287



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Actions expected from SA#8 by SA2 (2/4)

▼ **Revision of two existing Work Items:**

- ❑ **Revised WI: Enable bearer independent circuit-switched network architecture in SP-000288 (Tdoc S2-001017, previously agreed in SP-000106)**
- ❑ **Revised WI: An architecture for Call control and roaming to support IP-based multimedia services in UMTS in SP-000289 (Tdoc S2-001018, previously agreed in SP-000107).**



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Actions expected from SA#8 by SA2 (3/4)

▼ **Approval of new Work Items:**

- ❑ **Proposed WI: Global Text Telephony in SP-000290 (S2-001055)**
- ❑ **Proposed WI: A feasibility study of an architecture for network requested PDP context activation with User-ID in SP-000291 (S2-001180)**
- ❑ **Proposed WI: Support of Location Services in UMTS, System and Core Network aspects in SP-000292 (S2-001057)**
- ❑ **Proposed WI: Feasibility Study for Transport and Control separation in the PS CN domain in SP-000293 (S2-001134, revised to S2-001200)**



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Actions expected from SA#8 by SA2 (4/4)

▼ **Approval of the following CRs:**

- ❑ On 23.060 (GPRS/PS domain stage 2): *CR list in SP-000282*
- ❑ On 03.32 (Geographical Area Description, under SMG responsibility): *CR list in SP-000283*
- ❑ On 03.71 (R98) and 23.171 (R99) (LCS stage 2): *CR list in SP-000284*
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