

Title:

APPROVED SUMMARY OF TSG-S MEETING
for the period of 22-25 August 2000 in San Francisco, CA

Source:

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SECRETARY

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Abstract:

This document provides the summary of the 3GPP2 TSG-S meetings held at the Sheraton Fisherman's Wharf in San Francisco, CA during the period of 22-25 August 2000.

Recommendation:

For review and approval.

Notice:

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During the period of 22-25 August 2000, a meeting of 3GPP2 TSG-S was held at the Sheraton Fisherman's Wharf in San Francisco, CA. This report is intended to summarize those discussions.

OPENING PLENARY

- **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on 22 August 2000 at 8:50 AM local time by TSG-S Chair, Hideo Okinaka (DDI).

The Chair noted the following:

- The 3GPP2 SC approved expanded charter of TSG-S to include provisions for Stage 2 and Stage 3 descriptions for OAM&P.
- 1xEV-DV completion is a priority for this meeting.
- **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of TSG-S active companies indicated 14 companies in attendance out of 21 active companies (67% participation). Thus, meeting quorum was achieved.
- **DISTRIBUTION AND NUMBERING OF AGENDA:** Contributions were documented in S00-20000822-000R1. All contributions were distributed as soft copy only.
- **ADOPTION OF AGENDA:** The proposed agenda (S00-20000822-001R1) was reviewed and approved without objection as submitted. The contributions were numbered and assigned to agenda items. However, based on a request for a joint meeting between TSG-C WG1 and the TSG-S PMT at 7:00 AM on Thursday 24 August 2000, the detailed meeting schedule in the agenda was modified (S00-20000822-001R2).
- **ASSIGNMENT OF CONTRIBUTIONS TO AGENDA ITEMS:** Previously completed.
- **REVIEW AND APPROVAL OF PREVIOUS MEETING SUMMARY:** The meeting summary for July 2000 in Kohala Coast, HI (S00-20000822-002) was presented and approved without objection as submitted.
- **CORRESPONDENCE**
 - Correspondence from ITU-T from their 24 January - 2 February 2000 meeting requesting information and response on IMT-2000 Security Management systems (S00-20000822-003) was presented. This correspondence was remanded to WG2 for review and response by the end of the September 2000 meeting.
- **LIAISON REPORTS**
 - **3GPP2 OP/SC**
 - An unofficial summary of the OP meeting which was held on 24 July 2000 in Beijing, China (S00-20000822-014) was presented by the Secretary as FYI.
 - An unofficial summary of the SC meeting which was held on 25 July 2000 in Beijing, China (S00-20000822-015) was presented by the Secretary as FYI.

- China's position on evolution of cdma2000 1x (S00-20000822-013) was presented. This document was remanded by the SC for consideration in the TSG-S 1x enhancement development activities. This document was noted as FYI.
- The confirmation announcement of official approval of S.R0023, the 1xEV-DO Stage 1, from the 3GPP2 Secretariat (S00-20000822-024) was presented as FYI.
- The confirmation announcement of official approval of P.R0001, the Wireless IP Architecture Based on IETF Protocols, and P.S001-A, the Wireless IP Network Standard, from the 3GPP2 Secretariat (S00-20000822-025) was presented as FYI.
- TSG-A:
 - The approved meeting summary from the TSG-A June 2000 meeting (S00-20000822-006) was noted as FYI. The Secretary noted that there will be some action required by TSG-A on the IOS documents in support of 1xEV-DO. A joint meeting between TSG-A and TSG-C is scheduled for Thursday 24 August 2000 to discuss these issues.

WG1 was remanded the task of clarifying the intent of the requirement specified in S.R0023 section 5.5. Based on that clarification from WG1, WG2 is remanded the task to review the capability of the NRM to support that existing or modified requirement.
 - The draft meeting summary from the TSG-A July 2000 meeting (S00-20000822-016) was noted as FYI.
- TSG-C:
 - The TSG-C Liaison Report (S00-20000822-017) was presented by the TSG-C Liaison as FYI. In addition to the official report, the following comments were also noted:
 - TSG-C is discussing proposals related to the IS-2000-A Addendum which relate to changing the optional/mandatory status of features in that document. These changes are specifically disallowed by the "bug fix" rules that TSG-S adopted last month.
 - A joint meeting between TSG-C WG1 and the PMT was previously approved.
 - TSG-S has been requested to present the status and current documents related to the 1xEV-DV Stage 1 requirements at the opening Plenary of TSG-C in Seoul in September 2000. The TSG-C Liaison recommended that the TSG Chair, the WG1 Chair, and the PMT Chair also be in attendance.

- TSG-N: No report.
- TSG-P: No report.
- All IP AdHoc:
 - NAM FG met in Vancouver, BC during the period 8-10 August 2000.
 - Remaining meetings for this group are scheduled as follows:
 - All IP AdHoc 23-24 August 2000 San Francisco, CA
 - NAM FG 6-8 September 2000 TBD
 - All IP AdHoc 20-21 September 2000 Seoul, Korea
 - All IP AdHoc 3-5 October 2000 Chicago, IL
 - Some concern was expressed over the AdHoc's ability to fully define high level requirements and architecture within the given schedule.
 - TSG-S participants were encouraged to participate in the AdHoc meeting scheduled for 23-24 August 2000 to get their own look at the AdHoc's activities. TSG-S will assume a substantial workload in the program management and definition of additional system and feature requirements in the development of an All IP Network when the All IP AdHoc completes its charter.
- TR45: No report. The next meeting will be held in San Francisco (at this hotel) on 30-31 August 2000.
- TR45 ISD ADHOC: No report.
- TR45.7: No report
- TR45 NAG: Postponed until closing Plenary.
- TR45 AHAG: The TR45 AHAG Report (S00-20000822-023) was presented as FYI. Specific comments included the following:
 - Still attempting to select one (1) of the three (3) ESP candidates. Made presentations to TSG-C this week.
 - Met with 3GPP S3 to discuss joint coordination of AKA.

The Chair directed that all participants consider the value of a harmonized ESP between 3GPP and 3GPP2 and provide comments by the next meeting.

- TR45 UIM-ESN ADHOC: All TR45 subcommittees have responded at least preliminarily regarding the proposal to use IMEI as the MEID but additional review is still required by TR45.5. A TR45 UIM-ESN AdHoc conference call will be held on Monday 28 August 2000 to prepare their report to the TR45 meeting next week.

- 3GPP TSG-SA5: A draft summary of the 3GPP TSG-SA5 meeting which was held in Washington, DC during the period of 24-28 July 2000 (S00-20000822-030) was presented by the 3GPP-SA5 Liaison as FYI.
- T1M1: A summary of the T1M1 meeting which was held in Torrance, CA on 11 August 2000 (S00-20000822-031) was presented by the T1M1 Liaison as FYI.
- ITU-T: An e-mail correspondence from the 3GPP2 primary ITU-T contact, John Visser (Nortel Networks) regarding an invitation to the next Rapporteurs meeting in Chicago during the period of 11-14 September 2000 (S00-20000822-021) was presented as FYI.
- WAP FORUM: No report.
- JOINT TSG-S3-TR45 MEETING: No report.
- OLD BUSINESS:
 - WG1 ISSUES
 - A summary of the recent CWTS meetings where an LAS-CDMA AdHoc has been activated (S00-20000822-027 and S00-20000822-029) were presented by CWTS as FYI.
 - Correspondence from TSG-N dated 14 July 2000 presented revised Stage 1 documents on AH, USCF, and Pre-Paid Charging (S00-20000822-009). These documents were remanded to WG1 for review and comment as appropriate.
 - Proposed changes to the LBSS Stage 1 description (S00-20000822-033) was presented by Nortel Networks. These changes were defined based on the use of Use Case Maps. This document was remanded to WG1 for review and comment as appropriate.
 - W2 ISSUES
 - TSG-A correspondence dated 19 July 2000 regarding OAM&P technical specifications (S00-20000822-011) was presented. This contribution was remanded to WG2 for review and response as required.
 - Correspondence to 3GPP TSG-SA5 dated 16 August 2000 from T1M1 regarding a proposal to align T1M1 and 3GPP specifications (S00-20000822-026) was presented. This contribution was remanded to WG2 as FYI.
 - PMT ISSUES
 - Correspondence from TSG-A dated 19 May 2000 regarding support of assured mode packet data service (S00-20000822-005) was presented. This document was remanded to the PMT for review and comment as appropriate.

- The TSG-C Release A Features and Functions List v0.3 (S00-20000822-018) was presented. This document was remanded to the PMT as FYI.
- Correspondence from TSG-A dated 20 July 2000 regarding Release B features and the next IOS release (S00-20000822-007) was presented. This contribution defined the features that TSG-A was planning to develop as a part of Release B to be verified by all other TSGs. This document was remanded to the PMT for review and action as appropriate.
- Correspondence from TSG-C dated 14 July 2000 regarding their proposed strategy for criteria, test, and process for classification of “bug fixes” (S00-20000822-004) was presented. This contribution was remanded to the PMT for consideration of the TSG-S position on this topic.
- Correspondence from TSG-A dated 20 July 2000 regarding their review of the proposed bug fix plan proposed by TSG-C (S00-20000822-008) was presented. This contribution was remanded to the PMT for consideration of the TSG-S position on this topic.
- Correspondence from TSG-N dated 13 July 2000 regarding their comments on v18 of the 3GPP2 Workplan (S00-20000822-010) was presented. This contribution was remanded to PMT for review and action as appropriate.
- TSG-C scheduling on Release B activities and 1xEV-DV specification development (S00-20000822-019) was presented. This contribution was remanded to PMT for review and action as appropriate.
- The TSG-C approved document numbering scheme was included the removal of note 3 as requested by TSG-S (S00-20000822-020) was presented as FYI.
- 2001 MEETING CALENDAR: The update TSG-S 2001 meeting calendar (S00-20000822-012) was presented by the Chair as FYI.
- NEW BUSINESS:
 - Proposed Stage 1 text for Broadcast/Multicast Services (S00-20000822-032) was presented by Sprint PCS. This contribution was remanded to WG1 for review and action as appropriate.

The Plenary was recessed on 22 August 2000 at approximately 12:40 PM local time.

CLOSING PLENARY

The Plenary was reconvened at 12:30 PM local time on 25 August 2000 by TSG-S Chair, Hideo Okinaka (DDI).

- Quorum had been established at the opening Plenary and was not challenged at this session.
- LIAISON REPORTS
 - A verbal TSG-C Liaison report was presented by TSG-C Liaison, Clif Barber (Oki Network Technologies). The following items were noted:
 - Attempts to change the mandatory/optional status of some of the Release A features in the Release A addendum were defeated. The rules defined in the “bug fix” classification procedures approved by the TSG at the last meeting were upheld.
 - A call for proposals for 1xEV-DV candidate technologies has been issued. These candidate technologies will be presented at the September meeting. Companies who want to submit proposals are required to contact the Chair for scheduling of presentation time.
 - A new WG will be empowered at the next meeting. This will be WG5 - Technology Assessment.

The objectives of this new WG are summarized as follows:

- Develop assessment details for candidate proposals
- Develop comparison methods for evaluation of candidate proposals
- Do detailed technical reviews of candidate proposals including simulations
- Consolidate proposals into a single technology basis for 1xEV-DV

The following individual were assigned as Co-Chairs:

- Krister Raith (Ericsson) (pending his acceptance of the assignment)
- Ed Tiedemann (QUALCOMM)

This group will develop their detailed terms of reference for approval by the TSG.

The Chair indicated that both 1xEV-DO and Release B will take priority over WG5 activities.

- Updated list of cdma2000 reference documents in ITU-R M.1457 (IMT.RSPC)
- Reviewed and updated TSG-C Release B Workplan based both on SWG1.5 review and comments derived from a joint meeting between WG1 and TSG-S PMT.

- Approved baseline text for C.P0016-A (TIA/EIA-683-B)
- Scheduled baseline text for SMV algorithm in March 2001 and baseline text for the SMV minimum performance specification (including fixed-point code) in June 2001.
- Identified bugs related to TTY support that will mandate addenda to IS-127-2 and IS-736-1.
- The WG has confirmed that C.S0017-A will include support for both IS-99 and IS-657.
- Approved 1xEV-DO physical layer and signaling documents as baseline text.
- Approved cdma2000 Release A Addendum documents, including physical layer, MAC, LAC, and Layer 3 Signaling, as baseline text.
- An interim Plenary conference call for TSG-C and TR45.5 will be held on 12 September 2000 to approve the 1xEV-DO and cdma2000 specifications for TSG publication and then for TIA ballot.
- At the September 2000 meeting in Seoul, Korea, the opening Plenaries for both TR45.5 and TSG-C on 18 September 2000 will be an all day session including presentations on the following topics:
 - AHAG presentations on ESP alternatives
 - Presentation of the TSG-S status of 1xEV-DV requirements
 - 1xEV-DV new candidate proposal presentations

The following documents were also liaised from TSG-C:

- Correspondence from TSG-C to the 3GPP2 SC Chair and CWTS regarding the 1xEV-DV status report (S00-20000822-052) was presented and reviewed in detail. This document was remanded to PMT as FYI.
- The revised TSG-C Release B Workplan (S00-20000822-053) was presented. This document was remanded to PMT for action as appropriate.
- A contribution entitled “cdma2000 reference documents for the revision of ITU-R recommendation M.1457 (IMT.RSPC)” (S00-20000822-054) was presented. This contribution requested input on this specification list from all TSGs by 18 September 2000. This contribution was remanded to the PMT Chair for response to TSG-C within their requested schedule (i.e., 18 September 2000). A copy will be provided to the opening Plenary at the next meeting.

- A summary of All IP AdHoc status (S00-20000822-047) was presented by the Secretary as FYI. The contribution summarized the two (2) strategies presented to date regarding 3GPP2 organizational and workplan issues with respect to development of the All IP Network after the All IP AdHoc has completed its charter. All TSG-S participants were directed to review these proposals with their colleagues at in their own organizations so that the positions of the organizations which participate in TSG-S can be discussed at the next meeting. *NOTE: A typo in this contribution was noted on page 3 where the responsibility for the access network under the "Division of labor as follows:" section of the Sprint PCS proposal should be noted as TSG-A instead of TSG-N.*
- **WORKING GROUP REPORTS**
 - WG1 Report (S00-20000822-041) was presented by WG1 Chair, Nick Mazzarella (Lucent) as FYI.
 - Began review of 1xEV-DV requirements. That review became superseded by the priority for Stage 1 descriptions related to Release B. There was substantial discussion on whether or not these requirements could be finalized by the end of the September 2000 meeting based on the priority and amount of work to be done on Release B related activities. There was also input from one (1) TSG-C member company who indicated that the September 2000 completion date was not required by TSG-C. However, the TSG-S target date (i.e., closing Plenary of September 2000 meeting) remained unchanged. Detailed discussion of the 1xEV-DV requirements will continue via e-mail.
 - Approved baseline text for S.P0029 Access Control Based on Call Type Stage 1.
 - Reviewed S.R0019 LBSS Stage 1. This review was augmented by Use Case Maps illustrations and several text modifications were recommended. This document will be further discussed on an upcoming conference call.
 - WG1 conference calls to do additional review and approval of Stage 1 documents for Release B have been scheduled as follows:
 - 5 September 2000 at 5:00 PM eastern time
 - 11 September 2000 at 5:00 PM eastern timeCall in details will be broadcast by e-mail.

The following WG1 documents were also presented:

- S.P0029 Access Control Based on Call Type (S00-20000822-049) was approved as baseline text and remanded to V&V.

- Editorial V&V has been completed on the S.P0024 WLL and S.P0025 WPP Stage 1 descriptions. Clean copies of those documents will be broadcast via e-mail. Those documents will be considered for publication at one (1) of the upcoming conference calls.
- S.P0026 1xEV-DV Stage 1 v0.0.3 (S00-20000822-045) and the 1xEV-DV Open Items List v04 (S00-20000822-046) were presented by the Editor, Clif Barber (Oki Network Technologies). Both documents were approved without objection for broadcast on the TSG-S e-mail exploder. The Editor will also begin the e-mail discussions again on each requirement using the most recently considered text as applicable.
- WG2 Report (S00-20000822-042) was presented by the WG2 Chair, Masaaki Yoshimura (Hitachi) as FYI.
 - The latest draft of TSB-100 was reviewed. The WG2 members will consider this document in preparation for detailed discussion at the next meeting.
 - Review of the OAM&P delta documents continued.
 - Reviewed the NRM to determine any changes required to support 1xEV-DO and determined that no change was required.
 - Generated correspondence in response to TSG-A regarding OAM&P issues (S00-20000822-048). This contribution was accepted for transmission without objection as modified by the discussion (S00-20000822-048R1)
- PMT Report (S00-20000822-043) was presented by PMT Chair, Bob Plunkett (Quicksilver).
 - Spent most of the time reviewing issues related to the 3GPP2 Workplan. The revised (v20) plan (S00-20000822-051R1) was approved without objection.
 - Agreed to transfer responsibility for the specification list to the 3GPP2 Secretariat but the PMT Chair will make sure the list is accurate.
 - Attempting to schedule a JEM on QoS for four (4) hours in Seoul and an additional four (4) hours in Kyoto.
 - Generated correspondence to all TSG Chairs on the approved specification list requesting the list of active projects from each (S00-20000822-050). This correspondence was approved without objection as submitted.
 - The issue of future development of the All IP Network was discussed. All participants were requested to consider their companies positions and to be prepared to evaluate whether or not TSG-S has a consensus on the direction on All IP work and if that position should be submitted as a contribution to the All IP AdHoc.
- V&V Report: No report.

- OLD BUSINESS (continued):
 - QUALCOMM presented an overview of ESA and ESA activities in AHAG (S00-20000822-055) as FYI.
 - NEW BUSINESS (continued): None.
 - ASSIGNMENTS:
 - All TSG-S participants are requested to consider their company's position related to 3GPP2 organizational and workplan issues for development of the All IP Network after the All IP AdHoc has been disbanded to see if a consensus position can be achieved within TSG-S.
 - The Chair directed that all participants consider the value of a harmonized ESP between 3GPP and 3GPP2 and provide comments by the next meeting.
 - FUTURE MEETINGS:
 - 18-21 September 2000 Sheraton Walker Hill Hotel in Seoul, Korea **
 - 30 October - 1 November 2000 Kyoto International Conference Hall in Kyoto, Japan
 - 5-7 December 2000 Kauai, HI
- ** This meeting will start one (1) day earlier than originally scheduled on Monday afternoon with a WG1 meeting and the opening Plenary will be at 8:00 AM on Tuesday.

This meeting was adjourned on 25 August 2000 at 3:35 PM local time.

A listing of the contributions for this meeting is itemized below:

NUMBER	SUBJECT	SOURCE
OPENING PLENARY - 3GPP2-S00-20000822-		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting Summary - July 2000 - Kohala Coast, HI	SECRETARY
003	Liaison on 3G Security Management	ITU-T SG4
004	Correspondence dated 14 July 2000 regarding "bug fix" plan	TSG-C
005	Correspondence dated 19 May 2000 regarding assured mode packet data	TSG-A
006	TSG-A summary of meeting #17	TSG-A
007	Correspondence dated 20 July 2000 on Release B features	TSG-A
008	Correspondence dated 19 July 2000 to TSG-C regarding "bug fix" plan	TSG-A
009	Correspondence dated 14 July 2000 regarding updated USCF, AH, and Prepaid Stage 1 descriptions	TSG-N
010	Correspondence dated 13 July 2000 on 3GPP2 Workplan v18 and approved specifications	TSG-N
011	Correspondence dated 19 July 2000 on OAM&P in the RAN	TSG-A
012	Year 2001 meeting schedule	CHAIR
013	Evolution of 1x (SC-20000725-025)	CWTS
014	3GPP2 OP Meeting Summary - July 2000	SECRETARY
015	3GPP2 SC Meeting Summary - July 2000	SECRETARY
016	TSG-A summary of meeting #18	TSG-A
017	TSG-C Liaison Report - July 2000	TSG-C LIAISON
018	TSG-C Release A Functions and Features	TSG-C
019	TSG-C IxEV-DV scheduling	TSG-C
020	TSG-C approved document numbering scheme	TSG-C
021	Invitation to IMT-2000 Rapporteurs meeting in Chicago - 11-14 September 2000	ITU-T LIAISON
022	NAG Liaison Report	NAG LIAISON
023	AHAG Liaison Report	AHAG LIAISON
024	Approval of S.R0023 "High-Speed Data Enhancements for cdma2000 1x - Data Only"	3GPP2 SECRETARIAT
025	Approval of P.R0001 "Wireless IP Architecture based on IETF protocols" and P.S0001-A "Wireless IP Network Standard"	3GPP2 SECRETARIAT
026	Proposal to align T1M1 and 3GPP specifications dated 16 August 2000	T1M1
027	Meeting summary of CWTS LAS-CDMA AdHoc #6	CWTS
028	China's position on evolution of cdma2000 1x	CWTS
029	Meeting summary of LAS-CDMA AdHoc in CWTS	CWTS

030	3GPP SA 5 meeting report	3GPP SA 5 LIAISON
031	T1M1 meeting report	T1M1 LIAISON
032	Broadcast/multicast Stage 1	SPRINT PCS
033	Proposed changes to LBSS Stage 1	NORTEL NETWORKS
WG1: FEATURE/SERVICE REQUIREMENTS - 3GPP2-S10-20000822-		
001	AGENDA	CHAIR
002	WLL-Stage 1 V&V	V & V CHAIR
003	Access Control based on Call Type Stage 1 version 0.1.0	EDITOR
004	WPP Stage 1 V&V	V & V CHAIR
005	HS Data Enhancement Integrated Data and Voice Stage1 v0.2	EDITOR
006	1xEV-DV Open Requirements v03	EDITOR
007	Pre-Paid Packet Charging Stage1 v0.0.1	EDITOR
WG2: OAM&P AND NRM - 3GPP2-S20-20000822-		
001	Agenda	CHAIR
002	Summary of Meeting on 12 July 2000	CHAIR
003	1xEV-DO and IOS	QUALCOMM
004	Draft Correspondence to TSG-A regarding OAM&P	MOTOROLA
PMT: PROJECT MANAGEMENT TEAM - 3GPP2-S30-20000822-		
001	Agenda	CHAIR
002	Draft Meeting Minutes from Hawaii	CHAIR
003	Correspondence dated 14 July 2000 regarding "bug fix" plan (S00-20000822-004)	TSG-C
004	Correspondence dated 19 May 2000 regarding assured mode packet data (S00-20000822-005)	TSG-A
005	Correspondence dated 20 July 2000 on Release B features (S00-20000822-006)	TSG-A
006	Correspondence dated 19 July 2000 to TSG-C regarding "bug fix" plan (S00-20000822-008)	TSG-A
007	Correspondence dated 14 July 2000 regarding updated USCF, AH, and Prepaid Stage 1 descriptions (S00-20000822-009)	TSG-N
008	Correspondence dated 13 July 2000 on 3GPP2 Workplan v18 and approved specifications (S00-20000822-010)	TSG-N
009	TSG-C Release A Functions and Features	TSG-C
010	TSG-C IxEV-DV scheduling	TSG-C
011	TSG-C Workplan Updates	TSG-C
012	TSG-C Revised Rel. B workplan	TSG-C
013	TSG-P Work Items	TSG-P
014	E-mail from TSG-P Chair on Workplan	TSG-P
015	3GPP2 Workplan V19 Markup	CHAIR

CLOSING PLENARY - 3GPP2-S00-20000822-		
041	WG1 Report	WG1
042	WG2 Report	WG2
043	PMT Report	PMT
044	V&V Report (no report)	V&V CHAIR
045	S.P0023 v0.0.3 High-Speed Data Enhancements for cdma2000 1x - Integrated Data and Voice	EDITOR
046	1xEV-DV Open Items List v04	EDITOR
047	All IP AdHoc Status	SECRETARY
048	Proposed correspondence to TSG-A regarding OAM&P	WG2
049	Access control based call type Stage 1 baseline	WG1
050	Proposed correspondence to TSG Chairs regarding specification list	PMT
051	3GPP2 Workplan v20	PMT
052	1xEV-DV Status Report	TSG-C
053	Release B workplan	TSG-C
054	cdma2000 reference documents for the revision of ITU-R recommendation M.1457 (IMT.RSPC)	TSG-C
055	ESA & ESP Status	QUALCOMM

STATUS OF APPROVED TSG-S SPECIFICATIONS AND REPORTS

NUMBER	TITLE
S.R0003	3GPP2 System Capability Guide
S.R0004	3GPP2 Service Implementation Guide
S.R0005-A	3GPP2 Network Reference Model (Rev. A)
S.R0006	Cellular Features Description (TIA/EIA-664-A Rev A)
S.R0007	User Selective Call Forwarding (Stage 1) (PN-4551)
S.R0008	Answer Hold (Stage 1) (PN-4550)
S.R0009	User Identity Module (Stage 1) (PN-4582)
S.R0010	Preferred Language Enhancement (Stage 1) (PN-4289) (Note 1)
S.R0011	Advice of Charge (Stage 1) (PN-4289)
S.R0012	Rejection of Undesired Annoying Calls (Stage 1) (PN-4289)
S.R0013	Global Emergency Call Origination (Stage 1) (Note 2)
S.R0014	Tandem Free Operation (Stage 1)
S.R0015	ISDN Interworking (Stage 1)
S.R0016	Automatic Code Gapping (Stage 1) (Note 3)
S.R0017	3G Wireless Network Management System High Level Requirements (Stage 1) (Note 4)
S.R0018	Prepaid Services (Stage 1) (PN-4287) (Note 4)
S.R0021	Video Streaming Stage 1
S.R0022	Video Conferencing Stage 1
S.R0023	High Speed Data Enhancements for cdma2000 1x Stage 1 - Data Only

STATUS OF TSG-S PROJECTS IN PROCESS

NUMBER	TITLE	STATUS
S.P0019	Location Based System Services (LBSS) Stage 1	V&V
S.P0020	Location Information Restriction (LIR) Stage 1	In development
S.P0024	WLL Stage 1	V&V
S.P0025	WPP Stage 1	V&V
S.P0026	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice	In development
S.P0027	Personal Mobility Stage 1	In development
S.P0028	OAM&P Stage 2/3 for cdma2000 (3GPP Delta Specification)	In development
S.P0029	Access control based on call type Stage 1	V&V

3GPP2 QUORUM ROLL CALL				
TSG-S (Systems and Services Aspects)				
August 27, 2000				
COMPANY	Attendance 08/22/00	Attendance 08/25/00	Consecutive Mtgs Missed	Quorum Status at Mtg Start
BELL MOBILITY	1		3	0
DDI	1		0	1
DOCOMO US LABORATORIES	1		1	1
ERICSSON			1	1
FUJITSU	1		0	1
HITACHI	1		0	1
HYUNDAI			3	0
IDO			0	1
INTEL			0	1
KDD			0	1
LG TELECOM			2	1
LGIC	1		0	1
LINKAIR COMMUNICATIONS	1		0	1
LUCENT	1		0	1
MOTOROLA	1		0	1
NEC		1	0	1
NOKIA	1		0	1
NORTEL NETWORKS	1		0	1
OKI NETWORK TECHNOLOGIES	1		0	1
PHILLIPS			3	0
QUALCOMM	1		0	1
QUICKSILVER TECHNOLOGY	1		0	1
SAMSUNG			0	1
SONY	1		0	0
SPRINT PCS	1		0	1
TELCORDIA			1	0
VERIZON WIRELESS			0	0
TOTALS	14	1		21
QUORUM CALCULATION	67%	5%		
ADDITIONS				
				0
				0
				0
				0
				0
OBSERVERS AND GUESTS				
				0
QUORUM STATUS NOTES:				
- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list				
- NON-HIGHLIGHTED ZERO = Will be added to quorum list next mtg if they attend				