

Title:

APPROVED SUMMARY OF ALL IP ADHOC MEETING
for the period of 23-24 August 2000 in San Francisco, CA

Source:

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SECRETARY

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Abstract:

This document is a summary of the discussions from the 3GPP2 ALL IP AdHoc meetings held at the Hyatt Fisherman's Wharf in San Francisco, CA during the period of 23-24 August 2000.

Recommendation:

For review and approval.

Notice:

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NOTES:

- *During the course of the meeting, based on the total number of contributions to be addressed (counted 39 at the beginning of the meeting) and the total time available for discussion, the participants was split into two (2) focus groups (Requirements and NAM), both of which met simultaneously. Those meetings are not documented in this report. Many of the contributions listed in the attached contribution log were discussed only in those focus groups.*
- *The discussions in this meeting jumped back and forth between agenda items. For readability purposes, this report summarizes all discussions for a single agenda item under a single section of this document regardless of the order of discussion.*

During the period of 23-24 August 2000, a meeting of 3GPP2 All IP AdHoc was held at the Hyatt Fisherman's Wharf in San Francisco, CA. This report is intended to summarize those discussions.

- **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on 23 August 2000 at 8:20 AM local time by All IP AdHoc Co-Chair Mark Lipford (Sprint PCS). The sign-in sheets indicate that approximately 75 persons were in attendance.

The Chair referred the participants to the copyright statement on the agenda and noted that submission of a contribution at this meeting would be assumed as commitment to that copyright statement.

- **ATTENDANCE REGISTRATION:** An electronic sign-in sheet was distributed to for the registration of attendees.
- **AGENDA REVIEW AND APPROVAL:** The agenda was presented and approved without objection as modified by the discussion (ALLIP-20000823-001R1).
- **CONTRIBUTION ASSIGNMENT TO AGENDA ITEMS:** Contributions (ALLIP-20000823-000R1) were assigned to agenda items - all in soft copy format only.
- **APPROVAL OF PREVIOUS MEETING SUMMARY:** The meeting summary for the July 2000 meeting in Boulder, CO (ALLIP-20000823-002) was presented and approved without objection as submitted.
- **CORRESPONDENCE:** None.
- **REPORTS:**
 - **3GPP2**
 - An unofficial summary of the July 2000 3GPP2 OP meeting (ALLIP-20000823-005) was presented by the Secretary as FYI.
 - An unofficial summary of the July 2000 3GPP2 SC meeting (ALLIP-20000823-006) was presented by the Secretary as FYI.

- MWIF: A brief verbal summary of MWIF status was provided by Mike Dolan (Lucent).
- CDG: No report.
- 3GPP: A brief verbal summary of 3GPP status was provided by Mike Dolan (Lucent).
- OTHER: None.
- OLD BUSINESS
 - STAGE 1 REQUIREMENTS
 - The cdma2000 All IP Requirements v0.6.0 (ALLIP-20000823-024) was presented by the Editor, Phil Brown (Ericsson), and all changes from the last version were reviewed in detail. There were only a minimal number of requirements added from the Open Requirements List.
 - The Open Items List v9 (ALLIP-20000823-025) was presented by the Editor and reviewed in detail. Actions taken during that discussion included the following:
 - Item 27: Accepted as modified.
 - Item 49: Editor will merge with requirement 6.2.2a
 - Item 53: Accepted.
 - Item 54: Dropped. Same as 6.1.2a.
 - Item 59: Dropped. Same as 58.
 - Item 61: Dropped.
 - Item 62: Dropped.
 - Item 2: Accepted with minor rewording.
 - Item 40: Withdrawn.
 - Item 69: Accepted.
 - The Requirements FG group met off-line and made some progress on the Open Item List. A summary of the Requirements FG activities and the updated Open Items List (ALLIP-20000823-025R2) was presented and reviewed by the Requirements FG Chair, Phil Brown (Ericsson). He advised that consensus was reached regarding disposition on several items, reached agreements in principle on several other items pending review of final text, and approximately 10-12 items remain “truly open” on which little or no progress was made. All of these “truly open” items on the list will be re-launched for e-mail discussion.
 - Based on the results of the Requirements FG progress, the Requirement document v0.6.1 (ALLIP-20000823-024R1) was presented and all changes reviewed by the Requirements Editor.

- The Requirement FG Chair requested the initial four (4) hours of the upcoming meeting in Vancouver (i.e., 6 September 2000, 8:00 AM to NOON) exclusively dedicated for the Requirements FG and up to an additional 8 hours as necessary in parallel with the NAM FG with the intent to reach consensus on action on all remaining items on the Open Item List.
 - The status of the Evolution FG (the group working on the specific group of requirements relating to system evolution) was briefly summarized by the Evolution FG Chair, Betsy Kidwell (Lucent). She noted that the FG now has consensus on the network evolution strategies to be assumed when reviewing the specific requirements text.
 - NAM
 - A contribution on “Why the local SCM Proxy is not Useful.” (ALLIP-20000823-041) was presented and review by Sun Microsystems.
 - A contribution on the use of the SIP Proxy (ALLIP-20000823-042) was presented and reviewed by Lucent.
 - The Chair directed the combination of the NAM FG and the Layering FG under Co-Chairs Mike Dolan (Lucent) and Henrik Basiler (Ericsson).
 - The bulk of the discussions on the All IP NAM were handled off-line in the NAM FG meeting.
 - NEW BUSINESS:
 - Details for the hotel for the NAM/Requirements FG meeting to be held in Vancouver, BC on 6-8 September 2000 (ALLIP-20000823-040) was presented by NAM FG Co-Chair, Mike Dolan (Lucent), as FYI.
 - A contribution on proposed organization and workplan for All IP (ALLIP-20000823-003) was presented by Sprint PCS. This contribution proposed the following:
 - Establish a new TSG to develop the core network for the “next generation” system (TSG-NG). The new TSG was proposed based on different skill set requirements as compared to TSG-P. Responsibilities would include the following:
 - Edge/gateway entities that connect to legacy networks and services
 - Core system
 - Services implementations based on TSG-S Stage 1 requirements
- First meeting would be January 2001 with Convener. Target initial specification release to SDOs by year end.
- Division of labor as follows:

• Project Management/Stage 1/Architecture	TSG-S
• Air-interface	TSG-C
• Access network	TSG-A
• Core network	TSG-NG

- TSG-P would be dissolved after completion of its Release B responsibilities.
- TSG-N would remain active only to the extent required for on-going maintenance of ANSI-41.
- A concern does exist regarding the lack of a “sister” subcommittee in TR45 to be responsible for TIA ballot activities.

Concerns in response to this proposal included the following:

- The proposal implies a “capping” of capabilities for ANSI-41 when customers are requesting additional capabilities (i.e., location services). In addition, on-going support of the All IP ANSI-41 domain would be required.
- Another TSG would dilute the resources of participating companies, dilute the activities of TSG-P and TSG-N during TSG-NG start-up, and tax the persons whose expertise is required by all of three (3) of these groups.
- The interactions between TSG-S, TSG-NG, TSG-A, TSG-P, and TSG-N as well as their respective roles must be very well defined.
- A proposed organization of 3GPP2 for All IP Standard Development (ALLIP-20000823-028) was presented by TSG-P. This proposal basically recommends that the All IP activities are absorbed into the existing 3GPP2 structure. To accommodate this strategy, TSG-P would need to support the following working groups:
 - Service architecture
 - IP call control and MRF
 - QoS
 - Core Network including MIP routing, AAA, and IPv6

Concerns in response to this proposal included the following:

- Distribution of labor will lead to diffusion of the focus of the All IP development effort and may lack required coordination.
- Service architecture may be beyond the expertise of TSG-P and be more work than that group can handle.
- Some confusion exists regarding whether o TSG-S or TSG-P actually drives the work when TSG-S has that charter for 3GPP2.
- There may also be some gray areas between the responsibilities between TSG-N and TSG-P.
- TSG-N expressed concerns that there might be too much focus on the project management activities that have not worked in 3GPP2 and that company internal coordination activities will be sufficient.

- The Co-Chairs decided that the discussion on this topic would be deferred until the next meeting to allow time for the participants to socialize the proposals within their organizations and to have off-line discussions with other members. A specific agenda item will be established for the Seoul meeting and contributions on this topic were encouraged.
- REVIEW OF ASSIGNMENTS:
 - The three (3) focus groups were directed to continue their deliberations in preparation for the meeting in Seoul including the following:
 - Requirements FG
 - Evolution FG
 - NAM FG
 - Participants were directed to review organization and project plan issues related to actual development the All IP network by 3GPP2.
- FUTURE MEETINGS:
 - 6-8 September 2000 NAM FG and Requirements FG at the Vancouver Hotel in Vancouver, BC.
 - 20-21 September 2000 Sheraton Walker Hill Hotel in Seoul, Korea
 - 3-5 October 2000 Final meeting - Chicago, IL

The meeting was adjourned at 2:35 PM local time on 24 August 2000.

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

NUMBER	SUBJECT	SOURCE
ALLIP-20000823-		
000	CONTRIBUTION REGISTER	SECRETARY
001	AGENDA	CHAIR
002	Meeting summary - 7/00 - Boulder, CO	SECRETARY
003	All IP Workplan proposal	SPRINT PCS
004	Architectural changes to support legacy circuit switch data and fax services	SPRINT PCS
005	3GPP2 OP unofficial meeting summary - July 2000	SECRETARY
006	3GPP2 SC unofficial meeting summary - July 2000	SECRETARY
007	What is the best way to support Mobile IPv4 in ALL-IP IPv6 network?	HYUNDAI
008	Proposed figure modification and Text for SCE and SMS	LUCENT
009	WITHDRAWN	
010	Proposed text for SCM	ERICSSON
011	Proposed text for planar view	ERICSSON
012	Service and application: where can they be controlled from and how can they work?	ERICSSON
013	Service creation: why is the Service Creation Environment part of the 3GPP2 All IP NAM	ERICSSON
014	NRM for location services	QUALCOMM
015	NAM FG meeting summary - 8-10 August 2000	NAM FG CHAIR
016	NAM FG document register - 8-10 August 2000	NAM FG CHAIR
017	Improvements to text for Location Server - rev 1	LUCENT
018	Example handling radio link failure	LUCENT
019	Improvements to text in NAM for Non-IP Terminal Support	SIEMENS
020	MS entity	LGIC
021	Non-IP terminal support network entities	LGIC
022	Unified layer 2 control	LGIC
023	NAM Modifications	SPRINT PCS
024	Requirements Document v0.6.0	EDITOR
025	Requirements Open Item List v9	EDITOR
026	All IP NAM v0.5.1	EDITOR
027	SCM Issues	SUN
028	Proposed organization of 3GPP2 for All IP standard development	TSG-P
029	Additional text for Core BWM, MM, and AG	ERICSSON
030	Proposed changes to HLR and R-SGW	ERICSSON

ALLIP-20000823-		
031	New Planar view of authentication for both circuit based and IP-based access and services	MOTOROLA
032	Proposal to add the NAM's position on "Internet PDN" fraudulent defense	MOTOROLA
033	Proposal to add "Roaming Signaling Gateway" to MAP reference point	MOTOROLA
034	New Planar view of handoff and mobility management of Mobile IP	MOTOROLA
035	New Reference Point for Location PDE to Access Network	MOTOROLA
036	New Planar view of authentication and authorization for both circuit based and IP-based access and services	MOTOROLA
037	Security and privacy issues	3COM
038	New reference between CBM and MGW	SAMSUNG
039	Proposed changes to the NAM	HYUNDAI
040	Hotel details for NAM FG meeting in Vancouver, BC on 6-8 September 2000	NAM FG CHAIR
041	Why the local SCM Proxy is not useful	SUN