1   **Title:**

2   **APPROVED TSG-S ALL IP ADHOC MEETING SUMMARY - 13-15 FEBRUARY 2001**

3   **Source:**

4   Clif Barber

5   SECRETARY
6   Oki Network Technologies   70 Crestridge Drive   Suite 150   Suwanee, GA   30024
7   (678) 482-2669   (678) 482-841   cbarber@okint.com

8   **Abstract:**

9   This document summarizes the meetings of the 3GPP2 TSG-S All IP AdHoc that were held in Phoenix,
10 AZ during the period of 13-15 February 2001.

11 **Recommendation:**

12 For review and approval.

13

14 **Notice:**

1 During the period of 13-15 February 2001, a meeting of the 3GPP2 TSG-S All IP AdHoc was held at
2 the Sheraton San Marcos in Phoenix, AZ. This report is intended to summarize those discussions.

3 1. CALL TO ORDER AND OPENING REMARKS: The meeting was called to order on
4   13 February 2001 at 8:25 AM local time by All IP AdHoc Chair, Mark Lipford (Sprint PCS).

5 2. ATTENDANCE REGISTRATION: Attendance was taken using an electronic sign-in sheet
6   that was loaded onto the server. This sign-in sheet indicated approximately 20 persons in
7   attendance.

8 3. ADOPTION OF AGENDA: The proposed agenda (S00-ALLIP-20010213-001R2) was
9   presented and approved without objection as submitted.

10 4. ASSIGNMENT OF CONTRIBUTIONS TO AGENDA ITEMS: Contribution numbers were
11   listed in the Document Register (S00-ALLIP-20010213-000R2). Contribution numbers were
12   assigned to agenda items.

13 5. REVIEW/ACCEPTANCE OF PREVIOUS MEETING SUMMARY: The summary of
14   January 2001 meeting which was held in San Diego (S00-ALLIP-20010213-002) was
15   presented and approved without objection as submitted.

16 6. CORRESPONDENCE:

17   •   E-mail correspondence dated 4 February 2001 regarding the Network and Interop
18   Broadband Wireless Summit (S00-ALLIP-20010213-007) was presented. This was
19   correspondence requesting a speaker to represent 3GPP2 and give an overview of the
20   All IP activities in May 2001. Vice Chair, Mike Dolan (Lucent), has volunteered to do
21   this presentation.
22   •   An overview of the IETF-3GPP2 collaboration strategy that was approved by the
23   3GPP2 SC (S00-ALLIP-20010213-020) was presented as FYI.

24 7. JOINT MEETINGS FOR NEXT MONTH: There was general discussion on how to plan
25   meeting with the TSGs for the succeeding month and the exact role the adhoc should play in the
26   technical development activities. There was general consensus that these issues must be
27   discussed at the initial joint meetings this week.

28 8. JOINT MEETINGS WITH TSGs: A proposed generic agenda for the joint meetings with
29   TSGs (S00-ALLIP-20010213-021R1) was presented and reviewed by the Chair. The
30   agenda was approved without objection to be used as the basis of the meetings with TSGs this
31   week.

32 9. PROCEDURES: Proposed correspondence to all TSG Chairs regarding the procedure to
33   change the 3GPP2 All-IP Network Architecture (S00-ALLIP-20010213-005) was presented
34   by the Vice Chair. The contribution was approved without objection for transmission as
35   modified by the discussion (S00-ALLIP-20010213-005R2).

1   10.   OLD BUSINESS:

2   •   REQUIREMENTS, FEATURES, AND SERVICES

3   •   The updated All IP Requirements document v1.0.1
4   (S00-ALLIP-20010213-003) was presented and reviewed by the Editor. The
5   changes noted were accepted without objection. However, the Editor was
6   directed to make format corrections including headers and font sizes/styles.

7   •   The Open Items List v2.0 (S00-ALLIP-20010213-004) was presented as
8   FYI.

9   •   Proposed requirements for naming and addressing in the IP Multimedia Domain
10   (S00ALLIP-20010213-019) were presented and reviewed by Siemens.
11   These requirements were accepted without objection as modified by the
12   discussion (S00ALLIP-20010213-019R1).

13   •   Proposed text for requirements 25-35 (S00-ALLIP-20010213-012) was
14   presented by Nokia. This text was left open for consideration in the
15   development of Stage 1 descriptions with redline changes accepted
16   (S00-ALLIP-20010213- 012R1).

17   •   The current IS-664 Feature List (S00-ALLIP-20010213-014) was presented
18   by Sprint PCS. A legend for prioritization of these features was also provided.
19   During the discussion, participants noted that this list was not current. The
20   contributor agreed to revise and resubmit based on a more recent listing of
21   features.

22   Once this list is provided, the group needs to determine which features are
23   mandatory for the All IP network and then to prioritize those mandatory
24   features for Stage 1 development.

25   During this discussion, the group agreed that the features from the IS-664 list
26   which are determined to be mandatory must be included in Release C for the
27   legacy domain. The multimedia domain which is specified for Release C must
28   be capable of support all IS-664 mandatory features even if those features
29   themselves are cannot actually be completely specified.

30   •   Ericsson comments on the Feature Description document (S00-ALLIP-
31   20010213-015) were noted. This contribution was left open pending future
32   discussions on feature definitions.

33   •   ARCHITECTURE

34   •   A proposed clarification of the domain concepts for the continued All IP effort
35   within 3GPP2 (S00-ALLIP-20010213-009R1) was presented by Ericsson.
36   This contribution proposed new descriptions for the legacy and multimedia
37   domains in addition to other information. The definitions of legacy and
38   multimedia domains were adopted without objection as modified by the
39   discussion (S00-ALLIP-20010213-009R2). The balance of the contribution
40   was left open for further discussion.

1
2
3
4
5

- A contribution on Open Service Access (OSA) which had been previously discussed and adopted in TSG-N (S00-ALLIP-20010213-013) was presented by the TSG-N Liaison as FYI. The TSG-N Liaison was directed to solicit a contribution for TSG-N recommending specific changes to the All IP NAM.

6
7
8
9
10
11

- A proposal for the addition of a Proxy SCM (P-SCM) in place of the L-SCM and E-SCM in the visited network (S00-ALLIP-20010213-018) was presented by Siemens as a proposed change to the NAM. The group determined that this issue should be decided in TSG-N and that liaison correspondence should be prepared to solicit immediate response on this subject in preparation for message flow work to be started in Maui.

12
13
14
15
16
17
18
19

- A contribution on the gap between architecture and requirements which was carried over from last month (S00-ALLIP-20010116-017) was presented by LGE. There was some confusion on the intent of this document which was not resolved by the discussion and, as such, there was no support for the proposals therein from anyone else other than the contributor. This contribution was closed without acceptance by the group. The contributor was advised that specific recommendations could be submitted to specific TSGs as applicable for their consideration.

20   8.   JOINT MEETINGS WITH TSGs (continued):

21
22

- A joint meeting was held with TSG-N and TSG-P on 13 February 2001 at 8:00 PM local time.

23
24

- The agenda for this meeting (S00-ALLIP-20010213-021R3) was reviewed and adopted without objection.

25
26

- The Chair verbally reviewed processes planned for All IP coordination with the TSGs. During this discussion, the following documents were referenced:

27

- All IP Open Item List v1.2 (S00-ALLIP-20010213-004)

28

- NAM Message Flows (S00-ALLIP-20010213-022)

29

- NAM Change Procedures (S00-ALLIP-20010213-005)

30
31
32
33
34
35
36
37

- Regarding the distribution of work, the Open Items List v1.2 (S00-ALLIP-20010213004) was presented. This contribution included, as an attachment, correspondence dated 25 October 2000 from TSG-P regarding TSG-P comments on the All IP Workplan which was distributed prior to the release of the All IP development activities by the SC. That correspondence was presented by TSG-P. It indicated concerns regarding the distribution of responsibilities between TSG-P and TSG-N on 12 items on the All IP Workplan responsibility matrix.

1 • Correspondence dated 16 February 2001 from TSG-N in response to the
2 issues raised by TSG-P (S00-ALLIP-20010213-030) was presented by
3 TSG-N. TSG-N indicated that they agreed with the initial assignments detailed
4 in the All IP Workplan (i.e., disagreed with the TSG-P position) except for the
5 following:

6 • TSG-N should have prime responsibility for interface 33 between MRF
7 and MGW.

8 • TSG-N would also accept responsibility for the Advertising Agent.

9 • TSG-N and TSG-P agreed to meet together regularly at collocated meetings
10 when there are issues to discuss. The initial joint meeting time slot for Maui will
11 be two (2) hours but that time may be adjusted up or down for the following
12 month(s). TSG-N indicated that most of the joint activities would be handled
13 by TSG-N WG2, Stage 2 activities. Since TSG-N sets its meeting schedule
14 one (1) month in advance, TSG-P expressed concerns that this strategy might
15 not allow enough flexibility to address all issues. All participants were
16 encouraged to use e-mail distribution and conference calls to preview and
17 resolve all contributions in advance of the meeting. The Chairs of the two (2)
18 TSGs would also assist in coordinating the joint meeting schedule.

19 • The responsibility matrix will be modified as follows:

20 • The Adverting Agent will be added with TSG-N as prime responsibility

21 • Item 33 will also be assigned to TSG-N

22 This joint meeting was adjourned on 13 February 2001 at 9:00 PM.

23 • A joint meeting was held with TSG-C WG1 on 14 February 2001 at 3:30 PM.

24 • The agenda for this meeting (S00-ALLIP-20010213-021R3) was reviewed
25 and adopted without objection.

26 • The Chair verbally reviewed processes planned for All IP coordination with the
27 TSGs. During this discussion, the following documents were referenced:

28 • All IP Open Item List v1.2 (S00-ALLIP-20010213-004)

29 • NAM Message Flows (S00-ALLIP-20010213-022)

30 • NAM Change Procedures (S00-ALLIP-20010213-005)

31 • All IP Requirements v1.0.2 (S00-ALLIP-20010213-003)

32 • TSG-C noted that they should be involved in all QoS issues.

33 The joint meeting was adjourned on 14 February 2001 at 5:00 PM.

34 • A joint meeting was held with TSG-A on 15 February 2001 at 8:00 AM.

35 • The agenda for this meeting (S00-ALLIP-20010213-021R3) was reviewed
36 and adopted without objection.

37 • The Chair verbally reviewed processes planned for All IP coordination with the
38 TSGs. During this discussion, the following documents were referenced:

1   •   All IP Open Item List v1.2 (S00-ALLIP-20010213-004)

2   •   NAM Message Flows (S00-ALLIP-20010213-022)

3   •   NAM Change Procedures (S00-ALLIP-20010213-005)

4   •   All IP Requirements v1.0.2 (S00-ALLIP-20010213-003)

5   •   The following items were identified as targets for a high degree of coordination
6   across TSG boundaries:

7   •   QoS

8   •   Security

9   •   Mobility

10   •   End-to-end call flows

11   This joint meeting was adjourned on 15 February 2001 at 9:20 AM.

12   10.   OLD BUSINESS (continued):

13   •   PROJECT MANAGEMENT

14   •   A contribution on clarification of All IP requirements for the RAN (S00-
15   ALLIP-20010116-011) was presented by Ericsson. After some discussion,
16   the group agreed that the following items should be identified to TSG-A in the
17   joint meeting as the near-term priorities for all IP RAN development:

18   •   The cdma2000 RAN shall support the features and services of the MS
19   Legacy Domain and the IP Multimedia Domain

20   •   Note new requirements 6.1.4 (e) and (h) "The All-IP network shall
21   allow the use of IP transport for both user data and signaling within the
22   Radio Access Network (i.e., between the Access Gateway and the
23   BTS (Base Transceiver Station))" and "The All-IP Access Network
24   shall be able to transparently transport user IP packets from the Access
25   Gateway to the mobile station, using whatever format/framing that has
26   been defined for that specific access technology (e.g., PPP)."

27   •   Layer 2 RAN authentication is via AAA (no MSC server involvement)

28   •   FYI - In the IP multimedia domain there is no MSC (or MSC server)
29   involved in mobility management. Similarly there is none for inter-RAN
30   mobility either.

31   •   A contribution on input to the All IP release and project planning (S00-
32   ALLIP-20010116-008) was presented by Ericsson. This contribution
33   proposed a number of new work items and system level deliverables. This
34   contribution was left open for consideration at future discussions on the All IP
35   project plan.

1 • A contribution on proposed All IP project actions (S00-ALLIP-20010213-
2 016) was presented by Lucent. This contribution proposed that the following
3 actions be taken by the adhoc during this month:

4 • Develop a draft of the Release C feature list

5 • Begin development of Stage 1 descriptions required for All IP

6 • List the major All IP Release C features in a draft Project Plan

7 The group agreed that all of these actions were in process based on other
8 discussions and activities at this meeting.

9 • A proposal to add the "ii" reference point to the All IP Project Responsibility
10 Matrix between the MS and the Advertising Agent and note TSG-P as being
11 responsible for this interface (S00-ALLIP-20010213-017) was presented by
12 Lucent. During the discussion, it was noted that TSG-P and TSG-N have
13 agreed that this reference point should be the responsibility of TSG-N.
14 However, after review of the TSG-P/TSG-N agreement that interface 33
15 between the MRF and MGW should be the responsibility of TSG-N, the group
16 decided that the responsibility should belong to TSG-P. In addition, TSG-C
17 was also noted with consulting responsibility for AGW for QoS issues. This
18 contribution was approved as modified by the discussion (S00-ALLIP-
19 20010213-017R2).

20 **11.   NEW BUSINESS:**

21 • A QoS JEDI was held on 14 February 2001 at 10:00 AM.

22 • There was substantial concern expressed that this meeting had not been
23 properly communicated to the TSGs. The adhoc agreed to do a better job of
24 promoting these types of activities.

25 • A proposed unified framework for QoS support 3GPP2 All IP and legacy
26 networks (S00-ALLIP-20010213-010) was presented by Ericsson. This
27 contribution included a target QoS architecture, proposed terms/definitions, and
28 message flow diagrams indicating how QoS would work. This contribution was
29 adopted without objection. A summary liaison report on this issue will be
30 prepared by the contributor and the Vice Chair for consideration at the closing
31 Plenary.

32 • The QoS JEM Output Report from the TSG-S QoS JEM which was held in
33 Kansas City, MO during the period of 24-25 January 2001 (S00-ALLIP-
34 20010213-023) was reviewed as FYI. There was some concern that the All
35 IP AdHoc needs to have some input into the QoS activities on the legacy
36 network to insure consistency of approach. The group agreed that this input
37 could be made on the Stage 1 description being developed by TSG-S.

38 The QoS JEDI was adjourned on 14 February 2001 at NOON.

1 • A liaison from ITU on IMT-2000 management (S00-ALLIP-20010213-006) was
2 presented by Motorola as FYI. However, there were documents referenced in this
3 contribution which were not available for review by the group. Jörg Schmidt
4 (Motorola) took an action to provide the referenced documents at the March 2001
5 meeting.

6 • Proposed correspondence to TSG-N regarding All IP Stage 1 Feature descriptions
7 (S00-ALLIP-20010213-032) was presented. During the process of review,
8 volunteers were solicited for responsibility assignments. All volunteers were requested
9 to have preliminary descriptions of the feature at the next meeting when a Stage 1
10 template is expected from TSG-S WG1. During the discussion, the group also agreed
11 to restructure the correspondence so it was addressed to all TSGs. The
12 correspondence was approved without object as modified by the discussion
13 (S00-ALLIP-20010213-032R1) for transmission to all TSGs.

14 **12.   ASSIGNMENTS:**

15 • Release Document Editor: Draft of Release Document must be submitted for review at
16 the March 2001 meeting.

17 • TSG-N Liaison: Contribution on specific NAM changes to support OSA at the March
18 2001 meeting.

19 • Jörg Schmidt (Motorola): Documents referenced by the ITU liaison on IMT-2000
20 management should be provided at the March 2001 meeting.

21 • Project Plan Editor: Distribute draft Release C All IP Project Plan for review and
22 discussion as follows:

23 • Initial draft   19 February 2001

24 • Second draft   23 February 2001

25 • Stage 1 volunteers: Initial description of assigned features at the March 2001 meeting.

26 **13.   FUTURE MEETINGS:**

DATE	LOCATION
21 February 2001 5:00 PM CST	Conference call for initial review of Release C All IP Project Plan
5 March 2001 5:00 PM CST	Conference call for approval of draft Release C All IP Project Plan for transmission to all other TSGs
13-15 March 2001	Outrigger Wailea in Maui, HI
10-12 April 2001	Renaissance Waverly Hotel in Atlanta, GA
8-10 May 2001	Beijing, China

27

28 **14.   ADMINISTRATION AND OTHER BUSINESS:**

29 • The All IP Requirements document v1.0.3 (S00-ALLIP-20010213-003R2) was
30 presented. This contribution was approved without objection as modified by the
31 discussion (S00ALLIP-20010213-003R3) for liaison to all TSGs.

1   •   The proposed agenda for the March 2001 meeting (S00-ALLIP-20010213-024) was
2   presented. This agenda was approved without objection as modified by the discussion
3   (S00-ALLIP-20010213-024R1).

4   •   Proposed correspondence to TSG-N and TSG-P regarding All IP architecture issues
5   related to the Proxy SCM (S00-ALLIP-20010213-026) was presented. There was
6   no consensus for the intent of the correspondence so it was withdrawn by the
7   contributor.

8   •   Proposed correspondence to all TSGs regarding changes to the All IP NAM (S00-
9   ALLIP-20010213-026) was presented. The group agreed that the changes were
10   recommended to the Requirements document and not to the NAM. In addition, the
11   group agreed to simplify the correspondence substantially. This contribution was
12   approved without objection as modified by the discussion (S00-ALLIP-20010213-
13   026R2) for transmission with the All IP Requirements document v1.0.4 (S00-ALLIP-
14   20010213-003R2) attached.

15   •   A proposed liaison report to all TSGs regarding the QoS JEDI (S00-ALLIP-
16   20010213-028) was presented. This correspondence was approved without objection
17   as modified by the discussion (S00-ALLIP-20010213-028R1) for transmission.

18   •   Proposed correspondence to all TSGs regarding updates to the All IP Project
19   Responsibility Matrix (S00-ALLIP-20010213-031) was presented. This contribution
20   was approved without objection as modified by the discussion (S00-ALLIP-
21   20010213-031R1) for transmission.

22   •   A preliminary draft of the 3GPP2 year 2002 meeting schedule (S00-ALLIP-
23   20010213-026) was presented. This schedule noted the position of the TSG Chairs
24   that collocated meetings do not work and, as such, the schedule is a drastic departure
25   from the SC mandate for collocation of TSGs A, N, and P until further notice. There
26   was general consensus that collocated meetings are recommended to achieve the
27   workplan.

28   •   The TSG-S All IP AdHoc Status Report - 15 February 2001 (S00-ALLIP-
29   20010213-034) was presented by the Secretary. This contribution was approved
30   without objection as modified by the discussion (S00-ALLIP-20010213-034R1) for
31   transmission to all TSGs with the following attachments:

32   •   Open Items List v1.2.0 (S00-ALLIP-20010213-004R1)

33   •   All IP AdHoc agenda for March 2001 (S00-ALLIP-20010213-024R1)

34   •   NAM message flows (S00-ALLIP-20010213-022)

35   •   NAM change procedures (S00-ALLIP-20010213-005R2)

36   15.   ADJOURNMENT: The meeting was adjourned on 16 February 2001 at 4:30 PM local time.

37

38

1   **CONTACT LIST:**

POSITION	ASSIGNEE	E-MAIL
MANAGEMENT TEAM		
CHAIR	Mark Lipford (SPCS)	Mlipfo01@sprintspectrum.com
VICE CHAIR	Mike Dolan (Lucent)	mfdolan@lucent.com
SECRETARY	Clif Barber (OKI)	cbarber@okint.com
EDITORS		
REQUIREMENTS EDITOR	Michel Houde (Ericsson)	Michel.Houde@Ericsson.com
FEATURE LIST EDITOR	Mike Dolan (Lucent)	mfdolan@lucent.com
NAM EDITOR	Chuck Ishman (Motorola)	Qa0006@email.mot.com
PROJECT PLAN EDITOR	Mike Dolan (Lucent)	mfdolan@lucent.com
RELEASE DOCUMENT EDITOR	Clif Barber (OKI)	cbarber@okint.com
FAQ EDITOR	Henrik Basilier (Ericsson)	Henrik.basilier@ericsson.com
OPEN ITEMS LIST	Mike Dolan (Lucent)	mfdolan@lucent.com
EVOLUTION PLAN	Eileen McGrath Haduen	mcgrath.haduen@worlnet.att.net
TEAM/DISCUSSION LEADER		
CALL FLOW TEAM LEADER	Frank Alfano (Lucent)	falfano@lucent.com
LIAISONS		
TSG-A LIAISON	Tom Tansil (Alcatel)	Ttansil@usa.alcatel.com
TSG-C LIAISON	Clif Barber (OKI)	cbarber@okint.com
TSG-N LIAISON	Michel Houde (Ericsson)	Michel.Houde@Ericsson.com
TSG-P LIAISON	Henrik Basilier (Ericsson)	Henrik.basilier@ericsson.com
TSG-S LIAISON	All IP AdHoc Management Team	Mlipfo01@sprintspectrum.com mfdolan@lucent.com cbarber@okint.com
MWIF LIAISON	Mike Dolan (Lucent)	mfdolan@lucent.com
ADHOC E-MAIL EXPLODER		tsgsallip@3gpp2.org

2

3

4

3GPP2-S00-ALLIP-20010213-			
NUMBER	**TITLE**	**SOURCE**	**DISPOSITION**
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	FYI
002	Meeting summary - January 2001	SECRETARY	FYI
003	All IP Requirements v1.0.1	EDITOR	APPROVED
004	All-IP Open Issues List - Version 01.2.0	EDITOR	FYI
005	Procedures for Changes to the All-IP Architecture	CHAIR, VICE CHAIR	APPROVED
006	Liaison regarding IMT-2000 management	ITU-T SG4	FYI
007	Correspondence dated 29 January 2001 regarding the Network and Interop Broadband Wireless Summit	CHAIR	FYI
008	Input to the All-IP release and project planning	ERICSSON	OPEN
009	Clarification of the domain concepts for the continued All-IP effort within 3GPP2	ERICSSON	OPEN
010	Proposed unified framework for QoS support in 3GPP2 All-IP and legacy networks	ERICSSON	OPEN
011	Clarification of the All-IP requirement of the Radio Access Network within 3GPP2	ERICSSON	CLOSED
012	Proposed text for requirements 25-35	NOKIA	OPEN
013	Open Service Access	ERICSSON	FYI
014	Feature Descriptions Form	SPRINT PCS	REVISE AND RESUBMIT
015	Comments on the Feature Descriptions	ERICSSON	OPEN
016	Proposed All IP project actions	LUCENT	CLOSED
017	Addition of the "ii" reference point to the All IP project responsibility matrix	LUCENT	APPROVED
018	Proposed Addition of a Proxy SCM (P-SCM) to the NAM	SIEMENS	OPEN
019	Proposed Requirements for Naming and Addressing in the IP Multimedia Domain	SIEMENS	APPROVED
020	IETF-3GPP2 Collaboration Strategy	SC	FYI
021	Proposed joint meeting agenda	CHAIR	APPROVED
022	Message flows	VICE CHAIR	FYI
023	QoS JEM Output Report	QOS JEM	FYI
024	March All IP meeting agenda	CHAIR	APPROVED
025	3GPP2 year 2002 calendar proposal with All IP AdHoc input	CHAIR	FYI
026	Correspondence to TSG-N and TSG-P regarding Proxy SCM	CHAIR	CLOSED
027	Correspondence to regarding NAM changes	CHAIR	APPROVED
028	Liaison Report - QoS JEDI - 14 February 2001	VICE CHAIR	APPROVED
029	Draft TR45.2 year 2002 meeting calendar	TSG-N	FYI
030	Correspondence dated 16 February 2001 regarding All IP responsibilities	TSG-N	FYI
031	Liaison correspondence to all TSGs regarding the workplan responsibility matrix	VICE CHAIR	
032	Liaison correspondence to TSG-N regarding Stage 1 development work	VICE CHAIR	APPROVED
033	3GPP2 year 2002 meeting calendar draft - 15 February 2001	3GPP2 SECRETARIAT	FYI
034	All IP Status Report - 15 February 2001	SECRETARY	APPROVED

1

3GPP2-S00-ALLIP-20010116-			
003	All IP Project - Proposed Statement of Direction	ERICSSON	OPEN
004	Proposed change to All IP Requirements - Registration	ERICSSON	OPEN
006	Issues related to mobile stations domains and phasing of functionality	ERICSSON	OPEN
009	Directions Forward for the TSG-S All-IP Ad Hoc Group	VICE CHAIR	OPEN
010	Correspondence dated 12 January 2001 regarding ALL IP requirements	MWIF	OPEN
016	High level requirements proposed by MWIF	MWIF	OPEN
019	TSG-S All IP AdHoc project documents	SECRETARY	OPEN

1