

Project	IEEE 802.20 Working Group on Mobile Broadband Wireless Access < http://grouper.ieee.org/groups/802/20/ >
Title	Draft Meeting Minutes, 802.20 Plenary Meeting - Session #21, Dallas, Texas, USA, Nov 12-17, 2006
Date Submitted	2006-11-30
Source(s)	Yvette Ho Sang, as acting Recording Secretary for the session IEEE Standards Association 445 Hoes Lane Piscataway, NJ 08854 Email: y.hosang@ieee.org
Re:	802.20 Session#21
Abstract	Draft of the Minutes of the Session #21;
Purpose	Minutes of the Session.
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Patent Policy	The contributor is familiar with IEEE patent policy, as outlined in Section 6.3 of the IEEE-SA Standards Board Operations Manual < http://standards.ieee.org/guides/opman/sect6.html#6.3 > and in <i>Understanding Patent Issues During IEEE Standards Development</i> < http://standards.ieee.org/board/pat/guide.html >.

Draft - Meeting Minutes of the 802.20 Session #21

Nov 12 17, 2006

Dallas, Texas USA

Yvette Ho Sang, as Acting Recording Secretary

The 21st session of 802.20 was held at the Nov 2006 Plenary meeting of IEEE 802.

Contributions and WG documents referenced in these minutes can be found at the 802.20 website, <http://www.ieee802.org/20/>

See the Appendix A-1 for the overall session attendance and participation credit list.

See the Appendix A-2 for the affiliation statements submitted.

See Appendix A-3 for the Chair's opening remarks.

Minutes of 802.20 Monday Nov 13, 2006

Meeting started at 1:40 pm.

A Call for Patents was conducted by Chair Arnie Greenspan with presentation of the patent slides found at <http://standards.ieee.org/board/pat/index.html>.

Opening Remarks by the Chair included an introduction outlining Chair's plans and approach for conducting the business of 802.20 (see http://standards.ieee.org/announcements/pr_80220chair.html). Chair Greenspan also reminded the working group of rules meant to uphold the imperative principles (see <http://standards.ieee.org/guides/companion/part1.html#imperatives>) and to eliminate positive or negative dominance. The attendees were also reminded of the rules for openness, ethics and responsibility and referred to the Policies and Procedures of IEEE 802 as well as IEEE requirements.

The Chair requested that all participants introduce themselves by giving their names, affiliations, and interest in the committee.

Session break from 3:00 PM to 3:30 PM

Session resumed at 3:45 PM.

Current issues relating to IEEE P802.20 were discussed. The Chair noted that there was a need to select new officers for 802.20 which would be addressed over time. The Chair also noted that there was a current perception that the processes in the working group were not open. The issues will need to be addressed and the perception removed. If there was any support for this perception, things would be changed. Alternatively, if these perceptions were baseless 802.20 would need to prove it.

At the present time the ballot is terminated. A decision will need to be made whether to reopen the technology selection, evaluate the submissions, reach a level of consensus,

make changes as needed, then arrive at a technology that is defensible and will result in the publication of a standard.

Opinions on the various documents would be solicited by the Chair. The Chair noted that he would take roll call straw polls to get a sense of group on the following documents:

System Requirements
Channel Models
Evaluation Criteria
Technology Selection
WG Project Development Plan
Policies and Procedures

The Chair noted that there were concerns about the technology selection process. He explained that the draft that had been sent for ballot was stopped. It will need to be determined whether the draft can go ahead to ballot. If not, the draft will need to be revised before going ahead. The Chair then made a request for issues or concerns about each document.

Discussion on System Requirements

The following concerns were raised with regard to the System Requirements document:

- Need to review the Requirements document for ambiguities. Also need to identify areas for clarification and be specific about changes.

Discussion on Channel Modeling

The following concerns were raised with regard to the Channel Modeling document:

- It is not clear when models are being used. Need to outline rationale for use of models so all members can understand.
- There was extensive discussion on channel models by the working group previously.
- It would be useful to read the documents in detail for any discussion.

Discussion on Traffic Modeling and Evaluation Criteria

The following concerns were raised with regard to the Evaluation Criteria document:

- How do you compare technologies? Need to define specific criteria (performance in terms of special efficiencies).

Discussion on Technology Selection Process

The following concerns were raised with regard to the Technology Selection Process document:

- Technology Selection Process (TSP) should be reviewed because it is burdensome for anyone putting in a proposal—require that they more or less draft a standard for the submission.
- There were changes during the interim meeting that needs to be re-examined.
- The TSP document does not entertain partial proposals. Section 3.4 needs to correlate with the IEEE 802.20 WG P&P.
- Need to review the requirement for 250 km/h. There are no requirements to show performance complying with requirements on the PAR.
- Need to look at the relationship between requirements as stated in the Evaluation Criteria. There were two reports talked about in the criteria. Report 2 has the 250 km/h requirement.

Draft Standard

The following status or concerns were raised with regard to the draft P802.20 document:

- The letter ballot has been reset.
- Need an interpretation of the ruling “IEEE 802 EC chair will determine when any balloting will begin.”

WG P&P

The following status or concerns were raised with regard to the IEEE 802.20 WG P&P document:

- Section 9 is informative. The informative section should be removed and normative sections applied.

A request was made to very briefly state the subject of the ongoing appeals to get a feel for what we are doing and where we are going, as well as to determine how the group will be impacted by any appeals decision.

The Chair explained that the following were under appeal:

- 1) Appeal that ballot was stopped
- 2) Appeal the removal of the officers

Regardless of appeals, any discussion should put us in a better shape to move forward.

PAR extension for 6 months is on the December IEEE-SA Standards Board agenda for the New Standards Committee (NesCom) recommendation. If all goes well during the week, it is most likely that the PAR will be approved.

It was noted that the group will need more than 6 months to do its work.

The Chair noted that a declaration of affiliation was required in order to grant participation credit and voting rights (see C802.20-06/28). The Declaration of Affiliation form is available as document 802.20-PD-11.

The Chair informed the group that an ombudsman is now available (see C802.20-06/29) for anyone with concerns about procedures within IEEE 802. Participants can contact the ombudsman by email 802ombudsman@ieee.org.

Session recessed at 4:25 PM.

Minutes of 802.20 Tuesday Nov 14, 2006

Meeting started at 8:05 AM.

An attendance software demonstration was conducted to help facilitate the sign-in process. The Chair reminded the group that the system depends on the integrity of attendees to sign in when they are attending the meeting. Any effort to manipulate the system may result in loss of privileges.

First-time attendees who were not present at the previous introduction were asked to give their names, affiliations, and reason for participating in IEEE 802.20.

The group reviewed the status of IEEE 802.20 appeals (see C802.20-06/30).

The group then reviewed all PARs that were pending IEEE 802 Executive Committee (EC) approval:

- P802.1AB revision PAR
- P802.1Qav
- P802.1Qaw
- P802.15.4d
- P802.16m

The only PAR the IEEE 802.20 working group commented upon was P802.16m. Comments are listed below:

- IMT Advanced project is due to start in future and expected to take several years. IEEE 802.20 may also develop submissions for IMT Advanced. From wording of PAR, we are not sure if other projects can submit a proposal to IMT Advanced. In addition, is a mandatory liaison also necessary?
- Section 7.1 of proposed PAR should revise wording so that other groups are not prevented from submitting to IMT Advanced. This should be clear in the PAR.
- Implication of this PAR is that this is the IEEE 802 IMT Advanced submission, which is not accurate. Submission should be 802-wide so the scope of any one PAR should not be that narrow.
- The PAR says that other SDOs may develop proposals. It does not necessarily preclude other submissions.
- IEEE 802.16 can't anticipate work from other working groups. Currently, IEEE 802.16 is the only group currently working on IMT Advanced.

- IEEE 802.20 does not currently have IMT Advanced as part of the requirements for the IEEE 802.20 draft.
- All requirements are not known for IMT Advanced. All we have is a framework. IEEE 802.20 may currently meet some of the requirements of IMT Advanced. This can be true of IEEE 802.11 and IEEE 802.22 also. Along with IEEE 802.16, these working groups may have submissions to ITU for IMT Advanced.
- ITU IMT Advanced is a long-term project. The IMT Advanced group is currently setting the requirements. The IEEE 802.16 PAR potentially eliminates all projects that have possible involvement in the future. This PAR only addresses IEEE 802.16 work and not that of other groups.

The Chair noted that all comments from the IEEE 802.20 working group would be compiled and sent to the IEEE 802.16 working group for resolution. It was requested that the Chair note that only 60% of the IEEE 802.20 working group had issues with the IEEE P802.16m PAR.

The working group discussed the System Requirements document (802.20-PD-06r1). The Chair asked that fatal flaws be identified.

System Requirements Document (SRD)

The following comments criticizing and/or supporting the SRD were presented by working group members (see also C802.20-06-31).

- **Page 5, bottom, italic text:** The standard is supposed to support mobility classes.
- **Page 11, section 4:** Spectral efficiency is defined. **Table 4-1** should be enhanced up to 250 km/h. All we say about mobility is that the AI shall support different rates of mobility (i.e., able to pump data through). Paragraph in **Section 4.1.6** is self contradictory. The paragraph states the data rates but it says that these are targets rather than hard limits. The data rates are independent of channel conditions, traffic loading, and system architecture. Will we apply these data rates to moving vehicle? Clarification is needed to explain what we need to do for high-speed mobility.
- Mobility for 250 km/h is not addressed in any other document, which implies that it is not required for evaluations.
- The working group does not need to put more effort in the SRD. The SRD states that there should be graceful degradation up to 250 km/h, which is the metric established. The peak rate is peak, which is the highest you can get. Mobility of 250 km/h is in one of the other required documents.
- Mobility requirements are specified in the IEEE P802.20 PAR. The working group needs to take care of ambiguities that caused delay in development activities.

The core requirements should be met. We have a conflict that needs to be taken care of because it is only partially addressed in other documents.

- **Table 4-3** are absolute numbers (may not ever be used). These values can't be met in a real environment (peak under best conditions). There may be some ambiguities, but the intent is not to over constrain the curve.

- **Table 4-2** shows possible assignments. Since there are 5 possible assignments, there is no specification for a mandatory bandwidth. It is difficult to evaluate proposals in this case. The working group needs to coordinate FDD and TDD systems in order to match up the systems to each other.

- The ambiguities were allowed so that those who proposed technology would be granted flexibility to propose things that meet particular needs of the IEEE 802.20 document.

- **Section 4.1.2** says that the AI shall support at least one of the sizes. There is no requirement on bandwidth and so the standard doesn't have to support all bandwidths.

- The requirements are well defined. The objective of the working group was to establish requirements without prejudging technology solutions. It is important to note that the block assignments for TDD are in one band, which provides flexibility to provide either TDD or FDD options.

- The goal is to allow flexibility and avoid precluding others. The document is intended to be the basis on which to compare technology proposals and not how to build products.

- The issue is flexibility vs. ambiguity. With the current draft, there are 1033 options/combinations. It is difficult to evaluate all possibilities, especially when each bandwidth has various options. It would be better to require a mandatory bandwidth to simplify the evaluation process.

- **Section 4.1.2** may be clear but if compared with the PAR, there is conflict. There are inconsistencies throughout the document and the PAR.

- It is not possible to use **Table 4.3** for all conditions.

- **Section 4.1.4** has peak data rates that are independent of channel conditions, traffic loading, and system architecture. This is peak data rate given as mathematical numbers based on best conditions. This is not what you see in the fields. Channel bandwidths are part of the Evaluation document, not the Requirements document.

- The group had to consider multiple proponents with different characteristics to reach a compromise.
- The document needs to be able to stand on its own. All verbiage should be clear about what it means.
- Decisions were made by the working group during past session discussions. Maybe the group can use the interpretation system to handle issues for those who were not there during the working group discussion.
- The working group differentiated itself from IEEE 802.16 based on the mobility factors. Support of different mobility factors is what differentiates it from other PARs. This document is used to evaluate technology. Any ambiguities create problems with evaluating technologies that are proposed. Most of the results were for lower rather than higher mobilities. The documents should be fixed so that the working group will be better able to evaluate technologies.
- **Table 4.3** shows block assignments, not channel rates. This is not a combinatorial issue. It is a freedom of design issue.
- The peak data rate description is in Appendix A on page 23.
- Note that a description of block assignments can be found in the appendix at the rear of the document. The appendix has definitions that eliminate misunderstanding. See the definition of block assignment.
- Vehicular speed is the key distinguishing factor in IEEE 802.20. At the time the working group was not sure whether to propose a single or multi-carrier system. The requirement for 250 km/h is to ensure that the system wouldn't break at that speed.
- The working group was not provided proof that no breaks will occur at 250 km/h. An explanation is needed for what technology is proposed/evaluated/approved.
- The evaluation criteria document defines what needs to be provided. There is performance data required for 250 km/h.
- Proposals may have some simulation data but may not have sufficient data to ensure performance at 250 km/h. We may not be evaluating sufficiently at this high mobility.
- The scope of the Requirements document gives a general description of performance requirements. The document talks about performance requirements later (**Sections 4.2.5.2 and 4.2.5.3**). There is a need to explain system requirements and performance requirements. Need to define whether the information is normative

or informative. Clarification is needed. The working group can also look for examples that show how the classification is done.

- **Section 4.2.5** explains requirements for the subclauses below. The standard will have minimum performance requirements.

- Clarification is needed for the questions, “Do we have an agreement that RF spec requirements are a part of the system requirements? Are they separate or informative?”

- **Section 4.2.5** has requirement, i.e., that minimum performance specifications will be listed in the standard.

- The document needs to use “shall” for requirements. Need to determine if statements are part of the base or for regulatory requirements.

- The requirements document should remain in its current form. The document is sufficiently clear and is a good foundation for subsequent work that will follow. Clarifications can be referred back to the working group. The areas of block assignments and graceful degradation to 250 km/h are addressed in the document for development in subsequent documents and in the technology selection.

The Chair asked that the working group determine whether subsequent documents have inconsistencies based on these issues. There was no indication that this was true by the working group.

A motion was made on the possibility of creating a clarifying appendix to the Evaluation document to address ambiguities. The Chair indicated that a straw poll would be conducted after the break.

Session break from 10:15 AM to 10:45 AM

Session resumed at 10:47 AM.

Discussion continued on the SRD:

- **Page 16, Section 4.2.1** shows that there is a need to look at throughput or packet error rate. Need to explain what “optimize” means.

- **Section 4.2.1** was created so that proposals would be allowed to optimize or support optimization. The Evaluation document has the error rates and throughputs.

- **Section 4.2.1** does not speak to comparing one technology to another. A link is needed (e.g., 2nd paragraph of 4.2.1). The information is generally based on the error-rate method.

A straw poll was conducted on the following question:

Roll Call Straw Poll Question 1: Establish a second ongoing document that will provide clarification on questions of interpretation raised with respect to the 802.20 SRD.

Moved: Mark Klerer

Seconded: Jerry Upton

Results: 57 Yes, 35 No, 12 Abstain

Time: 11:30 am

Comments on the IEEE P802.16m PAR were solicited for submittal to the IEEE 802.16 working group (see C802.20-06/32).

Session break from 12:00 PM to 1:30 PM

Session resumed at 1:35 PM.

The working group discussed the Channel Models document (802.20-PD-08). The Chair asked that fatal flaws be identified.

Channel Models document (CMD)

- **Table 2-1-1** and other tables have editor's notes that are still in some of the tables.
- **Section 3.6** references **Sections 6 and 7**. However, Sections 6 and 7 do not provide the information referenced in this clause. The channel model should have randomness that is modeling the distance between each user and the bay station. Each user can have a different profile. How will implementers deal with delays and delay profiles, given the channel matrix? Will these be different for each user?
- When is the method in **Section 6** used to evaluate proposals vs. the method in **Section 7**? If this is not specified, how can the working group compare proposal data?
- **Section 5.5, Table 5.5-1** has an empty column. The column was previously used for typical urban channel. Why was this removed?

A presentation (see C802.20-06/33) by Ayman Naguib was given on the Channel Models document (802.20-PD-08).

Appendix A-1

Overall Session Attendance and Participation Credit List

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
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88	Ikeda	Yutaka	ikedayutaka@ieee.org	Sharp Corporation	No	M New					1			1		
89	Ishikawa	Hiroyasu	ishikawa@kddilabs.jp	KDDI R&D Laboratories Inc.	No	No			1							
90	James	David S.	djames@arraycomm.com	Oak Global BV	M	M										
91	Jeong	Moo Ryong	jeong@docomolabs-usa.com	NTT DoCoMo USA Labs	No	No			1							
92	Jeong	Byung-Jang	bjeong@etri.re.kr	ETRI	M	M			1	1	1			1		
93	Jette	Alan	qa1207@email.mot.com	Motorola	M	M			1	1	1	1		1		
94	Ji	Baowei	jwireless@yahgo.com	Samsung TA	M New	M					1	1		1		
95	Ji	Tingfang	tji@qualcomm.com	Qualcomm Inc.	M	M			1	1	1			1		
96	Johnson	Brian	bfjohnson@ti.com	Texas Instruments	No	No			1							
97	Jones	Dennis	drjones@ctci.ca	Taliesen North Consulting	M	M	1	1	1	1	1					
98	Joo	Pan Yuh	panyuh@samsung.com	Samsung	No	No				1		1				
99	Kadous	Tamer	tkadous@qualcomm.com	Qualcomm	M	M			1	1	1			1		
100	Kalhan	Amit	amit.kalhan@ktrc-na.com	Kyocera TRC	M	M			1	1	1			1		
101	Kanai	Takeo	tkanai@bbsoftbank.co.jp	SoftBank BB Corp		No								1		
102	Kang	Hyunjeong	hj@ samsung.com	Samsung	M New	M New				1	1					
103	Kasch	William	william.kasch@huapl.edu	John Hopkins Univ.	M	M		1	1	1	1					
104	Katayama	Masahide		KYOCERA Corp.		No								1		
105	Khademi	Majid	m.khademi@ieee.org	Khademi Consulting	M	M	1		1	1	1			1		
106	Khan	Farooq	fkhan@samsung.com	Samsung	No	No				1						
107	Khandekar	Aamod	aamodk@qualcomm.com	Qualcomm Inc	M	M			1	1	1			1		

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
108	Khatibi	Farrokh	fkhatibi@qualcomm.com	Qualcomm	M	M	1		1	1	1			1		
109	Kiernan	Brian	brian.kiernan@interdigital.com	Interdigital Com.	M	M		1	1	1	1	1				
110	Kim	Beomjoon	beom@lge.com	LG Electronics	No	No			1							
111	Kim	Hyeon Soo	etchkhs@samsung.com	Samsung	M New	M					1	1		1		
112	Kim	Jae-Ho	rdins@etri.re.kr	ETRI	M New	M New					1	1				
113	Kim	Joonsuk	joonsuk@broadcom.com	Broadcom	No	No					1					
114	Kim	Peter J.W.	pjk@tta.or.kr	TTA	M New	M New				1	1					
115	Kim	Tae Young	ty33.kim@samsung.com	Samsung	M New	M					1	1		1		
116	Kim	Yong Ho	ronnvkim@msn.com	LG Electronics	M	M			1	1	1			1		
117	Kim	Young-Ho	yh1025.kim@samsung.com	Samsung	M New	M New				1	1	1				
118	Kim	Young Kyun	@samsung.com	Samsung	M New	M				1	1			1		
119	Kim	Youngsoo	kimyoungsoo@samsung.com	Samsung	M New	M					1	1		1		
120	Kim	Kanghee	kangheekim@etri.re.kr	ETRI	No	No				1						
121	Kimura	Shigeru	@csg.kyocera.co.jp	Kyocera	M	M			1	1	1			1		
122	Kitahara	Minako	minako.kitahara.nf@kyocera.jp	Kyocera	M	M	1		1	1	1			1		
123	Kitamura	Takuya	takuya.kitamura@us.fujitsu.com	Fujitsu	M	M (New?)			1	1		1				
124	Klerer	Mark	m.klerer@flarion.com	Qualcomm	M	M	1	1	1	1	1	1		1		
125	Knisely	Douglas	dknisely@airvana.com	Airvana	M	M			1	1	1	1		1		
126	Knowles	Skip	skipkh@aol.com	Bussey Consulting	No	No										
127	Ko	Young-Jo	koyj@etri.re.kr	ETRI	M	M (New?)			1	1						
128	Kogianitis	Achilles		Lucent	No	No										
129	Kolze	Tom	tkolze@broadcom.com	Broadcom	M New	M					1	1		1		
130	Koo	Changhoi	chkoo@sta.samsung.com	Samsung	M	M			1	1	1	1		1		
131	Koplyay	Ferenc	ferenc@freescaler.com	Freescaler	M New	M New					1	1				
132	Kujawski	Fred E.	fkujawski@aircell.com	AirCell Inc.		No								1		
133	Kwon	Dong Seung	dskwon@etri.re.kr	ETRI	M	M (New?)			1	1		1				
134	Kwon	Jae Kyun	jack@etri.re.kr	ETRI	No	No			1							
135	Kwon	Young Hyoun	wishwell@lge.com	LG Electronics	M	M			1	1	1					
136	Lalaguna	Pablo	starsystems.com	MedStar	M	M	1	1	1	1	1			1		
137	Lawrence	Lisa	lisa.lawrence@ctci.ca	CTCI Group	M	M	1		1	1	1					
138	Lee	Heesoo	heelee@etri.re.kr	ETRI	M	M			1	1	1	1		1		
139	Lee	Jungwon	jungwon@gmail.com	Marvell Semiconductor	M New	M New				1	1					
140	Lee	Mihyun	mihyun.mac.tee@samsung.com	Samsung Electronics	M New	M				1	1			1		
141	Lee	Sungjin	steve.lee@samsung.com	Samsung	M New	M New				1	1					
142	Lee	Wook-Bong	wbong@lge.com	LG Electronics	M	M			1	1	1	1				
143	Lestable	Thierry	th.lestable@infonie.fr	SERI	M New	M New					1	1				

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
144	Li	Jaing	john_lee@huawei.com	Huawei	No	No			1							
145	Li	Jun	junli@nortel.com	Nortel Networks	M	M (New?)		1	1			1				
146	Li	Thomas	tlius@huawei.com	Huawei	No	No				1		1				
147	Li	Yingyang	yingyang.li@163.com	Samsung BST	M New	M					1	1		1		
148	Lim	Hyoung Kyu	hk03_lim@samsung.com	Samsung	M	M			1	1	1	1				
149	Lin	Jiezhen	jiezhen.lin@siemens.com	Siemens Ltd., China	M	M	1		1	1	1	1				
150	Liu	Walter	walterliu@huawei.com	Huawei	M New	M New					1	1				
151	Livshitz	Michael	livshitz@nortel.com	Nortel	No	No					1					
152	Loh	Lee Ying		Panasonic Singapore	No	No										
153	Lozano	Angel	aloz@lucent.com	Lucent Technologies	No	No			1							
154	Lu	Jianmin	lujianmin@huawei.com	Huawei	No	No				1		1				
155	Ma	Steven	steve.ma@freescalse.com	Freescale Semi.	M	M			1	1	1	1				
156	Maez	Dave	dmaez@navini.com	Navini Networks		No										
157	Martynov	Irina	IrinaMartynov@bellsouth.net	Belgud International	M	M	1	1	1	1	1			1		
158	Martynov	Michael	ov@eclypsys.com	Belgud International	M	M	1	1	1	1	1			1		
159	McGinniss	David	david.s.mcginiss@sprint.com	Sprint	M New	M New				1	1					
160	McMahon	Anthony	mac@steepestascent.com	Steepest Ascent	M	M			1	1	1			1		
161	McMillan	Donald	dcmcmillan@antsinc.com	Adv. Network Tech. Solution	M	M	1	1	1	1	1			1		
162	Miyazono	Max	max@qualcomm.com	Qualcomm	M	M	1		1		1			1		
163	Modlin	Cory	cmodlin@ti.com	Texas Instruments	No	No			1							
164	Mollenauer	James	chnicalstrategy.com	Tech. Strat./Motorola	M	M	1	1	1	1	1	1		1		
165	Murakami	Kazuhiro	kami@csg.kyocera.co.jp	Kyocera	M	M	1		1	1	1			1		
166	Murphy	Peter	peter.a.murphy@intel.com	Intel Corp.	M	M			1	1	1					
167	Naaman	Laith	laith.naaman@intel.com	Intel Corp	M New	M New				1	1					
168	Nabar	Rohit	rnabar@marvell.com	Marvell Semiconductor	M New	M				1	1			1		
169	Nagai	Yukimasa	n@isl.melco.co.jp	Mitsubishi Electric	M New	M New			1		1					
170	Naguib	Ayman	anaguib@qualcomm.com	Qualcomm	M	M	1	1	1	1	1					
171	Naidu	Mullaguru	mnaidu@qualcomm.com	Qualcomm	M	M	1		1	1	1			1		
172	Nakamura	Kenichi	nakaken@jp.fujitsu.com	Fujitsu	M New	M				1	1			1		
173	Nakamura	Tetsuya	tetsuya@nttmcl.com	NTT MCL Inc.	M	M			1	1	1			1		
174	Nakano	Shinji	snakano@ktrc-na.com	Kyocera TRC	M	M			1	1	1			1		
175	Nguyen	Nha	ntnha2001@yahoo.com	BCSI	M	M	1	1	1	1	1			1		
176	Nicolas	Julien	jnicolas@ktrc-na.com	Kyocera Research	M	M			1	1	1					
177	Noh	Taegyun	taegyun@etri.re.kr	ETRI	M New	M					1	1		1		
178	Novick	Fred	fnovick@mrbellvue.com	Bussey Consulting	M	M	1	1	1	1	1			1		
179	O'Brien	Francis	feobrien@lucent.com	Lucent	M	M			1	1						

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
180	Odlyzko	Paul	paul.odlyzko@motorola.com	Motorola	M	M			1	1	1	1				
181	Oguma	Hiroshi	oguma@mit.prf.f.miyagi.jp	Institute Mlyagi Pref	M New	M			1		1	1		1		
182	Oh	Changyoon	cxo155@yahoo.com	Samsung	M New	M New					1	1				
183	Ovadia	Shlomo	shlomo.ovadia@intel.com	Intel	No	No						1				
184	Panicker	John	panic@nortel.com	Nortel	M New	M New					1	1				
185	Park	Chul	pchul@etri.re.kr	ERTI	M New	M				1	1	1		1		
186	Park	DS	dspark@samsung.com	Samsung	M New	M					1	1		1		
187	Park	Jeongho	jeongho.jh.park@samsung.com	Samsung	M New	M					1	1		1		
188	Park	Won-Hyoung	whpark@samsung.com	Samsung AIT	M	M			1	1	1	1				
189	Patzer	Steve	steve.patzer@intel.com	Intel	M	M			1	1	1	1				
190	Perini	Patrick	pperini@indracom	EFR, Inc./IPWireless	M	M			1	1	1					
191	Pfann	Eugen	eugen@eee.strath.ac.uk	Univ. of Strathclyde	M	M			1	1	1			1		
192	Ping	Luo	plou@psl.com.sg	Panasonic Singapore	M	M				1						
193	Pirhonen	Riku	riku.pirhonen@nokia.com	Nokia	M	M	1	1	1	1	1	1		1		
194	Pittampalli	Eshwar	pittampalli@lucent.com	Lucent	M	M			1	1						
195	Poisson	Sebastien	sebastien_poisson@yahoo.ca	OasisWireless	M	M	1	1	1	1	1			1		
196	Polcari	Amy	amyjp@att.net	Bussey Consulting	M	M	1			1	1					
197	Polsgrove	Jim	jim.polsgrove@verizon.net	JKB Global	M	M	1	1	1	1	1					
198	Prakash	Rajat	rprakash@qualcomm.com	Qualcomm	M	M	1	1	1	1	1	1		1		
199	Preece	Rob	publisher@bookstorabuck.com	BCSI	M	M	1	1	1	1	1			1		
200	Priebe	Russell		Freescalse Semi.	No	No										
201	Pulcini	Gregory	gpulcini@aol.com	Bussey Consulting	No	No										
202	Puthenkulam	Jose	jose.p.puthenkulam@intel.com	Intel	M	M			1	1	1	1				
203	Qian	Xiaoshu	xiaoshu.qian@intel.com	Intel	M	M			1	1	1	1				
204	Ragsdale	James	ragsdale@rtpericsson.se	Ericsson	M	M	1		1	1	1	1		1		
205	Rajadurai	Rajavelamy	rajvel.r@gmail.com	Samsung India Software	M New	M New					1	1				
206	Rajkumar	Ajay	ajayrajumar@lucent.com	Lucent	M	M	1	1	1	1	1	1				
207	Razoumov	Leonid	leonid.razoumov@intel.com	Intel	M New	M New				1	1					
208	Salminen	Reijo	reijo.salminen@seesta.com	Seesta	M New	M New			1		1					
209	Sampath	Hemanth	hsampath@qualcomm.com	Qualcomm	M	M			1	1	1			1		
210	Sano	Masato	masato.sano.yb@kyocera.jp	Kyocera TRC	M	M		1	1	1	1			1		
211	Santhanakrishnan	Anand	anand_s72@yahoo.com	Samsung India Software (SI	M New	M New					1	1				
212	Sasaki	Shigenobu	kojiro@eng.niigata-u.ac.jp	Niigata University	M New	M					1	1		1		
213	Semper	Bill	b.semper@comcast.net	Samsung	No	No						1				
214	Seo	Bangwon	seobw@etri.re.kr	ETRI	M New	M					1	1		1		

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
215	Shabtay	Ophir	ohir@comsysmobile.com	Comsys Comms. Inc.	No	No				1						
216	Shasha	Eli	shasha@runcom.co.il	Runcom	No	No				1						
217	Shepard	Johnny	johnny.shepard@ericsson.com	Ericsson	No	No		1								
218	Shields	Judy	judy.shields@sympatico.ca	Ladcomm Corp.	M	M	1	1	1	1	1					
219	Shively	David	david.shively@cingular.com	Cingular Wireless	M	M			1		1			1		
220	Shoji	Hiryuki	hiroyuki.shouji.xm@kyocera.jp	Kyocera	No	No						1				
221	Shono	Takashi	takashi.shono@intel.com	Intel	M New	M				1	1	1		1		
222	Sihn	Gyung Chul	neuro61@etri.re.kr	ETRI	M New	M					1	1		1		
223	Sivanesan	Kathiravetpillai	k.sivansan@Samsung.com	Samsung	M New	M				1	1			1		
224	Son	Jungje	jungje.son@samsung.com	Samsung Electronics	No	No				1						
225	Son	Yeongmoon	ym1004.son@samsung.com	Samsung	M	M			1	1	1	1				
226	Song	Young Seog	ysong@etri.re.kr	ETRI	M New	M					1	1		1		
227	Sorensen	Henrik	hvs@agere.com	Agere Systems	M New	M New				1	1					
228	Springer	Warren	warren@springerassociates.com	Springer Assoc./Independent	M	M	1		1		1					
229	Srinivasan	Roshni	roshni.m.srinivasan@intel.com	Intel	M New	M					1	1		1		
230	Staver	Doug	dougstaver1@aol.com	3581969Canada Inc.	M	M	1	1	1		1					
231	Stone	Mike	mstone8@austin.ur.ca	Consultant	No	No										
232	Stuby	Richard	rstuby@agere.com	Agere Systems	M New	M				1	1	1		1		
233	Su	David	dsu@nist.gov	NIST-Gov.	No	No					1					
234	Suh	Changho	becal.suh@samsung.com	Samsung Electronics	M	M			1	1	1	1				
235	Suh	Mark	markbsuh@yahoo.com	Samsung TA	M New	M					1	1		1		
236	Surcobe	Valentin	voprescu@motorola.com	Motorola	M New	M	1				1	1		1		
237	Sutivong	Arak	arak.sutivong@gmail.com	TRUE Corporation	M	M			1	1						
238	Suzuki	Tomohiro	tomohiro.suzuki.fj@kyocera.jp	KYOCERA Corp.	M	M			1	1	1			1		
239	Tamaki	Satoshi	tamaki@crl.hitachi.co.jp	Hitachi	No	No				1						
240	Tan	Teik-Kheong	tktan@ieee.org	NXP Semiconductors		No								1		
241	Tang	Xiangguo	xtang@futurewei.com	FutureWei Tech.	M New	M New				1	1					
242	Teague	Harris	hteague@qualcomm.com	Qualcomm, Inc.	M	M			1	1	1			1		
243	Tee	Lai-King Anna	ateee@sta.samsung.com	Samsung	M	M			1	1	1	1		1		
244	Tomcik	James	jtomcik@qualcomm.com	Qualcomm	M	M	1	1	1	1	1	1		1		
245	Toro	Steven	steven.toro@gte.net	Sane Solutions LLC	M	M				1						
246	Trick	John	johntrick@comcast.net	Bussey Consulting	M	M	1	1	1	1	1					
247	Tsui	Daniel	daniel.tsui@interdigital.com	Interdigital	No	No										
248	Ulpinar	Fatih	fulupina@qualcomm.com	Qualcomm	M	M			1	1	1					

	A	B	C	D	I	J	O	P	Q	R	S	T	U	V	W	X
249	Upton	Jerry	jerry.upton@ieee.org	JUConsulting;Qualcomm	M	M	1	1	1	1	1	1		1		
250	Vaidya	Rahul	rahul.vaidya@gmail.com	Samsung	M New	M New					1	1				
251	Valbonesi	Lucia	@motorola.com	Motorola	M	M			1	1	1	1				
252	Valls	Juan Carlos	jcvals@tmgtelecom.com	TMG Group	M	M	1	1	1	1	1			1		
253	Vijayan	Rajiv	rvijayan@qualcomm.com	Qualcomm, Inc.	M	M			1	1	1			1		
254	Vivanco	Silvia	silvia@tmgtelecom.com	TMG	M	M	1		1		1			1		
255	Wan	Jane	jwan@huawei.com	Huawei US	No	No					1					
256	Wasilewski	Thomas	tomw@tmgtelecom.com	Qualcomm	M	M	1	1		1	1			1		
257	Watanabe	Fujio	watanabe@nttdocomolabs-	NTT DoCoMo USA Labs	M	M (New?)		1	1							
258	Wieczorek	Alfred	al.wieczorek@motorola.com	Motorola	M	M	1		1	1		1				
259	Wilson	Joanne	joanne@arraycomm.com	ArrayComm	M	M	1		1	1	1	1		1		
260	Wu	Gang	g-wu@ieee.org	NTT DoCoMo USA Labs	M	M	1		1		1					
261	Wu	Geng	gengwu@nortelnetworks.com	Nortel	M New	M New			1		1	1				
262	Yaghoobi	Hassan	hassan.yaghoobi@intel.com	Intel	M	M			1	1	1	1				
263	Yallapragada	Rao	rao@qualcomm.com	Qualcomm	M	M			1	1	1			1		
264	Yeh	Choongil	ciyeh@etri.re.kr	ETRI	M	M			1	1	1	1		1		
265	Yin	Hujun	huijun.yin@intel.com	Intel	M	M			1	1	1	1				
266	Yoo	Do-Sik	voodosik@paran.com	Samsung	No	No				1						
267	Yoon	Young C.	vevoon@lge.com	LGE	No	No			1							
268	Youssefmir	Michael	mike@arraycomm.com	ArrayComm	M	M	1	1	1	1	1			1		
269	Yuda	Tetsuya	tyuda@ktrc-na.com	Kyocera TRC	M	M	1	1	1	1	1					
270	Yun	Jungnam	jnyun@posdata-usa.com	POSDATA	M New	M New					1	1				
271	Yuza	Masaaki	yuzam@pb.jp.nec.com	NEC infrontia	M	M			1					1		
272	Zhu	Chenxi	chenxi.zhu@us.fujitsu.com	Fujitsu	No	No				1						
273	Zhu	Peiyong	pyzhu@nortel.com	Nortel	M New	M New			1		1					
274				* Blue type indicates a status change; Red type indicates that affiliation is required												

Appendix A-2

Affiliation Statements

802.20 Declarations of Affiliation

0	Last Name	First Name	Employer	Affiliation	Ultimate Parent of Employer	Ultimate Parent of Affiliation	URL1
1	Agis	Ed	Intel Corporation	Same	Not Applicable	Not Applicable	http://www.intel.com
2	Agrawal	Avneesh	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
3	Ahmadi	Sassan	Intel Corporation	Intel Corporation	Intel Corporation	Intel Corporation	www.intel.com
4	Alamouti	Siavash M.	Intel Inc.	Same	N/A	N?A	www.intel.com
5	Ali	Murtaza	Texas Instruments, Inc.	Same	Not Applicable	Not Applicable	www.ti.com
6	Alphonse	Jean R.	Lucent Technologies	Same	Not Applicable	Not Applicable	
7	Alsaleh	Haggar	Consultant	Same	Not Applicable	Not Applicable	
8	Arefi	Reza	Intel Corporation	same	same	same	http://www.intel.com
9	Bajaj	Rashmi	France Telecom R&D	same	Orange Ftgroup	OrangeFTGroup	www.francetelecom.com/en
10	Barriac	Gwen	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
11	Bavafa	Moussa	Broadcom Corporation	Same	Not Applicable	Not Applicable	www.broadcom.com
12	Bernstein	Jeff	Telecommunications Management Group, Inc.	QUALCOMM, Incorporated	Not Applicable	Not Applicable	www.tmgtelecom.com
13	Bravin	Nancy	Self	Qualcomm		Qualcomm	
14	Bussey	Chris J.	Bussey Consulting Services, Inc.	Same	Chris J Bussey	Not Applicable	
15	Canchi	Radhakrishna	Kyocera Telecommunications Research Corporation.	Same	Kyocera Corporation.	Kyocera Corporation	www.ktrc-na.com
16	Carlo	Jim	J.Carlo Consulting LLC	Huawei Technology	Not Applicable	Not Applicable	www.huawei.com
17	Carson	Peter	Qualcomm, Inc.	Same	Not Applicable	Not Applicable	
18	Castell	Harold P.	Bussey Consulting Services, Inc.	Same	Chris J Bussey	Not Applicable	
19	Chen	Yao	Beijing Samsung Telecommunication	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
20	Cho	Juphil	Kunsan National University	Same	Not Applicable	Not Applicable	www.kunsan.ac.kr
21	Choi	Hyoungjin	TTA	same	Not Applicable	Not Applicable	www.tta.or.kr

22	Choi	Yang-Seok	Intel Corporation	Same	NA	NA	URL:www.intel.com
23	Chun	Jin Young	LGE	Same	Not Applicable	Not Applicable	www.lge.com
24	Chung	Jaeho	KT Corporation	Same	Not Applicable	Not Applicable	www.kt.co.kr
25	Cleveland	Joseph	Samsung Telecommunications America, LLP	Same	Samsung Electronics Company	Not Applicable	www.samsungtelecom.com
26	Comstock	David	Huawei Technologies Co.,Ltd	Same	Not Applicable	Not Applicable	www.huawei.com
27	Crozier	Eugene	SR Telecom Inc	Same	Not Applicable	Not Applicable	www.srtelecom.com
28	Dean	Christopher	Telecommunications Management Group, Inc. (TMG)	Qualcomm, Inc.	Not applicable	Not applicable	www.tmgtelecom.com
29	Dhaliwal	Upkar	Future Wireless Technologies, L.P.	Same	Not Applicable	Not Applicable	
30	Dodd	Don	Morningstar Mergers	same	N/a	N/a	Mstarmgt@aol.com
31	Dorward	Lynne	LADCOMM Corporation	SAME	Not applicable	Not applicable	www.ladcomm.com*
32	Dunn	Doug	Kyocera Telecommunications Research Corporation	Same	Kyocera Corporation	Kyocera Corporation	www.ktrc-na.com
33	Eilts	Hank	Texas Instruments, Inc.	Same	Not Applicable	Not Applicable	www.ti.com
34	Epstein	Mark	Qualcomm	same	NA	NA	www.qualcomm.com
35	Feder	Peretz	Lucent Technologies	Bell Laboratories	Lucent Technologies	NA	www.lucent.com
36	Ferguson	Alasdair	Selbourne Associates	Same	Not Applicable	Not Applicable	
37	Fong	Mo Han	Nortel	Same	Not Applicable	Not Applicable	www.nortel.com
38	Freeland	Graham	Steepest Ascent Ltd	same	Not Applicable	Not Applicable	www.steepestascent.com
39	Gal	Dan	Lucent Technologies	same	Not Applicable	Not Applicable	www.lucent.com
40	Garcia-Alis	Daniel	Steepest Ascent Ltd	same	Not Applicable	Not Applicable	www.steepestascent.com
41	Garg	Deepshikha	Kyocera Telecommunications Research Corporation.	Same	Kyocera Corporation.	Kyocera Corporation	www.ktrc-na.com
42	Gil	Gye-Tae	KT	Same	Not Applicable	Not Applicable	http://www.kt.co.kr/kthome/eng/index.jsp
145	Gomes	Eladio Rodrigues	EPEC Solutions Inc.	Qualcomm Brazil		Qualcomm	www.epecsolutions.com

43	Gore	Dhananjay	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
44	Gorodetsky	Svetlana	Gorodetsky Consulting	same	Not applicable	Not applicable	
45	Gorokhov	Alex	Qualcomm Inc.	Same	Not Applicable	Not Applicable	www.qualcomm.com
46	Greenspan	Arnie	AROSCO Inc.	Same	Not Applicable	Not Applicable	
47	Guo	Qiang	Motorola, Inc.	Same	Not Applicable	Not Applicable	www.motorola.com
48	Hou	Victor	Broadcom Corporation	Same	Not Applicable	Not Applicable	www.broadcom.com
49	Hu	Rose	Nortel Networks	Same	Not Applicable	Not Applicable	www.nortel.com
50	Hu	Teck	Siemens Network LLC	Same	Siemens AG	Siemens AG	www.siemens.com
51	Humbert	John	Sprint Corporation	Same	Not Applicable	Not Applicable	www.sprint.com
52	Huo	David	Lucent Technologies	Same	Not Applicable	Not Applicable	www.lucent.com
53	Hur	Yerang	POSDATA Co. Ltd.,	Same	Not Applicable	Not Applicable	www.posdata.co.kr
54	Ibbetson	Luke	Vodafone Group Services Limited	same	not applicable	Not Applicable	www.vodafone.com
55	Iimuro	Kazuyoshi	Kyocera corporation	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
56	Ikeda	Yutaka	Sharp Corp	same	not applicable	not applicable	sharp-world.com
57	Jeong	Byung Jang	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
58	Jette	Al	Motorola, Inc.	Same	Not Applicable	Not Applicable	www.motorola.com
59	Ji	Baowei	Samsung Telecommunications America, LLP	Same	Samsung Electronics Company	Not Applicable	http://www.samsungtelecom.com/
60	Ji	Tingfang	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
61	Jones	Dennis	Taliesen North Consulting	Same	Not Applicable	Not Applicable	
62	Joo	Panyuh	Samsung Electronics	Same	Samsung Electronics	Not Applicable	www.samsung.com
63	Kadous	Tamer	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
64	Kalhan	Amit	Kyocera Telecommunications Research Corporation	Same	Kyocera Corporation	Kyocera Corporation	www.ktrc-na.com
65	Kang	Hyunjeong	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
66	Katayama	Masahide	Kyocera Corp	same	not applicable	Not Applicable	www.kyocera.co.jp

67	Khademi	Majid	Khademi Consulting	Khademi Consulting	Not Applicable	Not Applicable	
68	Khandekar	Aamod	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
69	Khatibi	Farrokh	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
70	Kiernan	Brian	Interdigital Communications Corp	same	not applicable	Not Applicable	www.interdigital.com
71	Kim	Hyeon Soo	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
72	Kim	Jae-Ho	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
73	Kim	Peter	TTA	same	Not Applicable	Not Applicable	www.tta.or.kr
74	Kim	Taeyoung	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
75	Kim	Yong Ho	LGE	Same	Not Applicable	Not Applicable	www.lge.com
76	Kim	Young Ho	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
77	Kim	Young Kyun	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
78	Kim	Youngsoo	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
79	kimura	shigeru	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
108	Kitahara	Minako	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
80	Kitamura	Takuya	Fujitsu Limited	Same	Not Applicable	Not Applicable	www.fujitsu.com
81	Klerer	Mark	QUALCOMM Flarion Technologies	Same	QUALCOMM, Incorporated	Not Applicable	http://www.qualcomm.com/qft/
82	Knisely	Douglas	Airvana, Inc.	Same	Not Applicable	Not Applicable	www.airvana.com
83	Kolze	Tom	Broadcom	same	Not applicable	Not applicable	Broadcom.com
84	Koo	Changhoi	Samsung Telecommunications America, LLP	Samsung Electronics	Same	Same	www.samsungtelecom.com
85	Koplyay	Ferenc	Freescale Semiconductor	Same	N/A	N/A	www.freescale.com
86	Kujawski	Fred	AirCell Inc.	Same	Not Applicable	Not Applicable	www.aircell.com
87	Kwon	Dong-Seung	ETRI	same	Not applicable	Not applicable	www.etri.re.kr
88	Kwon	Young-Hyoun	LGE	Same	Not Applicable	Not Applicable	www.lge.com

89	Laguna	Pablo	MedStar Systems, LLC	Qualcomm		Qualcomm	www.medstarsystems.com
90	Lawrence	Lisa	CTCI	CTCI	Not applicable	Not applicable	Lisa.lawrence@ctci.ca
91	Lee	Heesoo	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
92	Lee	Mihyun	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
93	Lee	Sungjin	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
94	Lee	Wook-Bong	LGE	Same	Not Applicable	Not Applicable	www.lge.com
95	Li	Jun	Nortel Networks, Inc.	Same	Nortel Networks, Inc.	Not Applicable	www.nortel.com
96	Li	Yingyang	Beijing Samsung Telecommunication	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
97	Lim	Hyoung Kyu	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
98	Lin	Jiezhen	Siemens Network Ltd, Beijing	Siemens Ltd., China	Siemens AG	Siemens AG	www.siemens.com.cn
99	Lo	Titus	Neocific, Inc.	Same	N/A	N/A	
100	Maez	David	Navini Networks	Same	Not Applicable	Not Applicable	www.navini.com
101	Martin	Terry					
102	Martynov	Irina	Belgud International	Qualcomm		Qualcomm	
103	Martynov	Michael	Belgud International	Qualcomm		Qualcomm	
105	McGinniss	David S.	Sprint Nextel	Same	Not Applicable	Not Applicable	www.sprint.com
106	McMahon	Anthony	Institute for System Level Integration	Strathclyde University	Not applicable	Not applicable	www.sli-institute.ac.uk
107	McMillan III	Donald C.	Advanced Network Technical Solutions, Inc.	Same	N/A	N/A	www.antsinc.com
109	Miyazono	Max	Qualcomm Inc	Same	Not Applicable	Not Applicable	www.qualcomm.com
110	Mollenauer	Jim	Technical Strategy Associates	Motorola Inc.	Not applicable	Not Applicable	Technicalstrategy.com
111	Murakami	Kazuhiro	Kyocera Corporation	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
112	Murphy	Peter A.	Intel Corp.	Same	Not applicable	Not applicable	www.intel.com
113	Nabar	Rohit	Marvell Semiconductor Inc	Same			www.marvell.com

114	Naguib	Ayman	Qualcomm Inc.	Same	Not Applicable	Not Applicable	www.qualcomm.com
115	Naidu	Mullaguru	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
116	Nakamura	Kenichi	Fujitsu Limited	Same	Not Applicable	Not Applicable	www.fujitsu.com/global/
117	Nakamura	tetsuya	NTT MCL Inc.	same	NTT Corp.	Not Applicable	www.nttmcl.com
118	Nakano	Shinji	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
119	Navidi	Pierre	XG Stream Ltd	OAK GLOBAL SA	Not Applicable	Not Applicable	
120	Ngo	Chiu	Samsung Electronics	Same	N/A	N/A	www.samsung.com
121	Nguyen	Nha	Bussey Consulting Services, Inc.	Same	Chris J Bussey	Not Applicable	
122	Noh	Taegyun	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
123	Novick	Fred	Bussey Consulting Services, Inc.	Same	Chris J Bussey	Not Applicable	
124	O'Brien	Francis E.	Lucent Technologies	Same	Lucent Technologies	Not applicable	www.lucent.com
125	Odlyzko	Paul	Motorola	same	Not Applicable	Not Applicable	
126	Oguma	Hiroshi	Industrial Technology Institute Miyagi Prefecture Government	Tohoku University	Not Applicable	Not Applicable	http://www.mit.pref.miyagi.jp
127	Oh	Changyoon	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
128	Oprescu	Val	Motorola, Inc.	Same	Not Applicable	Not Applicable	www.motorola.com
129	Palanivelu	Arul	Marvell Semiconductor Inc	Same			www.marvell.com
130	Panicker	John	NORTEL	Same	Not Applicable	Not Applicable	www.nortel.com
131	Park	Chul	ETRI(Electronics and Telecommunications Research Institute)	Same	Not Applicable	Not Applicable	www.etri.re.kr
132	Park	DS	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
133	Park	Jeongho	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
134	Patzer	Steve	Intel Corp.	SAME	Not Applicable	Not Applicable	
135	Pfann	Eugen	University of Strathclyde	same	not applicable	not applicable	www.strath.ac.uk
136	Pirhonen	Riku	Nokia Oyj	Same	Not Applicable	Not Applicable	www.nokia.com

137	Pittampalli	Dr. Eshwar	Lucent Technologies	Same	Not Applicable	Not Applicable	www.lucent.com
138	Poisson	Sebastien	Oasis Wireless Inc	Same	N/A	N/A	www.oasiswireless.net
139	Prakash	Rajat	Qualcomm Inc	Same	Not Applicable	Not Applicable	www.qualcomm.com
140	Preece	Rob	Bussey Consulting Services, Inc.	Same	Chris J Bussey	Not Applicable	
141	Puthenkulam	Jose	Intel Corporation	Same	Not Applicable	Not Applicable	http://www.intel.com
142	Ragsdale	Jim	Ericsson Inc	Telefon AB - L.M. Ericsson	Telefon AB - L.M. Ericsson	same	http://www.ericsson.com/us
143	Rajadurai	Rajavelsamy	Samsung India Software Operations Private Limited	Same	Samsung Electronics Company	Same	http://www.samsungindiasoft.com
144	Rajkumar	Ajay	Lucent Technologies Inc.	Same			www.lucent.com
146	Sampath	Hemanth	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	
104	Sano	Masato	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
147	Santhanakrishnan	Anand	Samsung India Software Operations Private Limited	Same	Samsung Electronics Company	Same	http://www.samsungindiasoft.com
148	Sasaki	Shigenobu	Niigata University	Same	Not applicable	Not Applicable	www.niigata-u.ac.jp
149	Seo	Bangwon	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
150	Shields	Judy	Ladcomm	same	NA	NA	
151	Shin	Gyung-Chul	ETRI	Same	Not Applicable	Not Applicable	www.etri.re.kr
152	Shively	David	Cingular Wireless	Same	AT&T / BellSouth	Same	www.cingular.com
153	Shono	Takashi	Intel K.K.	Same	Intel Corporation	Same	www.intel.co.jp
154	Sivanesan	Kathiravetpillai	Samsung Electronics Company	Same	Samsung Electronics Company	Not Applicable	www.samsung.com
155	Song	LeiLei	Marvell Semiconductor Inc	Same			www.marvell.com
156	Song	Young Seog	ETRI	same	Not applicable	Not applicable	www.etri.re.kr
157	Springer	Warren	Springer Associates	Same	Not Applicable	Not Applicable	
158	Srinivasan	Roshni	Intel Corporation	Same	Not Applicable	Not Applicable	URL www.intel.com

159	Staver	Doug	3581969 Canada Inc.	Same	Not Applicable	Not Applicable	
160	Stuby	Rick	Agere Systems	Same	Not Applicable	Not Applicable	www.agere.com
161	Suchang	Chae	ETRI(Electronics and Telecommunications Research Institute)	Same	Not Applicable	Not Applicable	www.etri.re.kr
162	Suh	Mark	Samsung Telecommunications America	Same	Samsung Electronics Company	Not Applicable	www.samsungtelecom.com
163	Surcobe	Valentin	Motorola	same	Not applicable	Not Applicable	www.motorola.com
164	Suzuki	Tomohiro	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
165	Tan	Teik-Kheong (TK)	NXP Semiconductors	Same	Not Applicable	Not Applicable	www.nxp
166	Teague	Harris	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
167	Tee	Anna	Samsung Telecommunications America	Same	Samsung Electronics Co., Ltd.	Not Applicable	http://www.samsungwirelss.com
168	Tomcik	Jim	Qualcomm,	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
169	Ulupinar	Fatih	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
170	Upton	Jerry	Self, JUpton Consulting	Qualcomm and Self	NA	Qualcomm, Inc. and Self	
171	Vaidya	Rahul	Samsung India Software Operations Private Limited	Same	Samsung Electronics Company	Same	http://www.samsungindiasoft.com
172	Valbonesi	Lucia	Motorola, Inc.	Same	Not Applicable	Not Applicable	www.motorola.com
173	Valls	Juan Carlos	Telecommunications Management Group	Qualcomm, Inc.	Not applicable	Not applicable	www.tmgtelecom.com
174	Vijayan	Rajiv	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
175	Vivanco	Silvia	Telecommunications Management Group	Qualcomm	Not applicable	Not applicable	www.tmgtelecom.com
176	Ward Jr	Robert M	Northrop Grumman	Same	N/A	N/A	
177	Wasilewski	Tom	Qualcomm Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com

178	Watanabe	Fujio	DoCoMo Communications Laboratories USA, Inc.	Same	NTT DoCoMo USA, Inc.	Not Applicable	www.docomolabs-usa.com
179	Wieczorek	Al	Motorola, Inc.	Same	Not Applicable	Not Applicable	Al.Wieczorek@Motorola.com
180	Wilson	Joanne	ArrayComm, LLC	Same	Ygomi, LLC	Ygomi, LLC	www.arraycomm.com
181	Wu	Geng	Nortel Networks.	Same	Not Applicable	Not Applicable	www.nortel.com
182	Xiaoshu	Qian,	Intel Corp	Same	N/A	N/A	www.intel.com
183	Yaghoobi	Hassan	Intel Corporation	Same	Not Applicable	Not Applicable	www.intel.com
184	Yallapragada	Rao	Qualcomm, Incorporated	Same	Not Applicable	Not Applicable	http://www.qualcomm.com
185	Yeh	Choong il	ETRI	same	Not applicable	Not applicable	www.etri.re.kr
186	Yin	Hujun	Intel Corp.	Same	N/A	N/A	www.intel.com
187	Youssefmir	Michael	Self	ArrayComm		Ygomi Group	www.arraycomm.com
188	yuda	tetsuya	Kyocera Corp.	Same	Not Applicable	Not Applicable	www.kyocera.co.jp
189	Yun	Jungnam	POSDATA Co. Ltd.,	Same	Not Applicable	Not Applicable	www.posdata.co.kr
190	Yuza	Masaaki	NEC Infrontia Corp.	same	NEC Corp.	Not Applicable	www.necinfrontia.co.jp
191	Zhu	Peiying	Nortel	Same	Not Applicable	Not Applicable	www.nortel.com
192	Nagai	Yukimasa	Mitsubishi Electric	same	not applicable	Not Applicable	http://www.mitsubishielectric.co.jp/
193	Li	Thomas	Huawei Technologies Co.,Ltd	Same	not applicable	Not Applicable	http://www.huawei.com
194	Kanai	Takeo	Symbies, Inc.	Softbank BB Corp.	not applicable	Not Applicable	http://www.symbies.com/
189	Kawabata	Hiro	Qualcomm	Same	not Applicable	Not Applicable	http://www.qualcomm.com
187							
188							

Appendix A-3

Chair's Opening Remarks

HELLO, MY NAME IS ARNIE GREENSPAN. SOME OF YOU MAY HAVE HEARD THE NAME. I HAVE BEEN APPOINTED BY THE STANDARDS BOARD AND THE 802 EXECUTIVE COMMITTEE AS THE CHAIR OF 802.20.

I BELIEVE THAT THE LAST TIME SOMEONE HAD AN ASSIGNMENT SUCH AS THIS ONE WAS WHEN BIBLICAL DANIEL WAS APPOINTED TO APPEAR IN THE LIONS DEN. ONLY TIME WILL TELL IF I HAVE A SIMILAR POSITIVE RESULT AS DID DANIEL.

WE EACH HAVE A JOB TO DO. I WILL DO MY BEST TO HELP YOU GET INTO A POSITION WHERE YOU CAN GET RID OF ME. YOUR JOB IS TO HELP ME HELP YOU ACCOMPLISH THE GOAL OF RETURNING ME TO OBSCURITY. WHAT I INTEND TO DO WHILE I AM WITH YOU AS CHAIR, IS THE FOLLOWING: I, WITH YOUR HELP, WILL TRY TO GET 802.20 BACK ON TRACK AND MOVING TOWARD ACHIEVING ITS MISSION OF DEVELOPING A SPECIFICATION FOR MOBILE BROADBAND WIRELESS ACCESS.

CURRENTLY, AND UNTIL THIS MEETING, ALL WORK BY 802.20 HAD BEEN SUSPENDED. THE OFFICERS OF 802.20 WERE REMOVED AND THE STANDARDS ASSOCIATION 802 EXECUTIVE COMMITTEE PONDERED OVER WHAT TO DO ABOUT THE MANY PROBLEMS THAT WERE PERCEIVED TO EXIST IN THE CONDUCT OF BUSINESS BY 802.20. I WILL TELL YOU THAT MANY OPTIONS WERE CONSIDERED; SOME OF THEM EVEN MORE DRACONIAN THAN APPOINTING ME AS CHAIR. FOR EXAMPLE, THERE WERE SOME THAT FELT THAT ALL WORK ACCOMPLISHED BY 802.20 SHOULD BE SET ASIDE AND WORK BEGUN ANEW. OTHERS RECOMMEND THE DISSOLUTION OF 802.20 AND TRANSFER OF THE EFFORT TO ANOTHER 802 GROUP. IN THE FINAL ANALYSIS THE DECISION WAS MADE THAT 802.20 AND ITS MEMBERSHIP WERE A VALUABLE RESOURCE AND THAT THEIR WORK TO DATE HAD A SIGNIFICANT VALUE CONTENT THAT SHOULD BE SALVAGED IF POSSIBLE. THAT AN EFFORT WOULD BE MADE TO TAKE THE WORK OF 802.20 TO DATE AND REVIEW, DISCUSSION AND, IF NECESSARY, REWORK WOULD TAKE

PLACE ON THE 802.20 FOUNDATION TO PREPARE 802.20 TO PROCEED WITH ALL POSSIBLE EFFICIENCY TO ACCOMPLISH THE MISSION OF THIS GROUP.

THERE ARE SOME OF YOU, PERHAPS MANY OF YOU OR ALL OF YOU WHO FEEL THAT 802.20 WAS NEVER OFF TRACK. THAT ALL THAT HAS TRANSPIRED IS NOT FAIR. TO ALL OF YOU THAT FEEL THAT WAY I MUST SAY 'TOO BAD'. LIFE IS NOT ALWAYS AS ONE WOULD WISH. I ALSO MUST INFORM ALL OF YOU THAT THIS IS THE LAST TIME THAT I INTEND TO TAKE TIME AWAY FROM OUR WORK TO DISCUSS THE ANGST OR PERCEIVED FAIRNESS OF WHAT HAS TRANSPIRED. THIS GROUP SERVES AT THE PLEASURE OF THE 802 EXECUTIVE COMMITTEE WHO, IN TURN, SERVE AT THE PLEASURE OF THE IEEE STANDARDS ASSOCIATION BOARD OF GOVERNORS. THE CONVERSE IS NOT TRUE. THEREFORE WE OR THOSE OF YOU WHO WISH TO WILL SUCH IT UP AND PREPARE TO MOVE AHEAD.

AS WE PREPARE TO MOVE AHEAD, I WILL REMIND YOU THAT THERE ARE RULES, POLICIES AND PROCEDURES THAT WILL GOVERN OUR EFFORTS. THE STANDARDS SOCIETY RULES MAY BE FOUND ON THE IEEE WEB PAGE. THESE RULES ARE DESIGNED TO ENSURE DUE PROCESS, CONSENSUS, OPENNESS, BALANCE AND RIGHT OF APPEAL. THESE ARE SOME OF THE AREAS THAT 802.20 WAS PERCEIVED TO TRANSGRESS IN THE PAST.

802 RULES MAY BE FOUND ON THE 802 WEB PAGE. THESE 802 RULES ARE MORE EXPLICIT THAN THOSE OF THE STANDARDS BOARD. THEY TOO ARE DESIGNED TO ENSURE DUE PROCESS, CONSENSUS, OPENNESS AND BALANCE AND RIGHT OF APPEAL.

FOR AREAS NOT SPECIFIED BY THE STANDARD ASSOCIATIONS RULES ON THE 802 RULES WE WILL USE ROBERTS RULES TO DIRECT OUR ACTIVITIES.

AS LONG AS I AM CHAIR, 802.20 WILL BE SO CAREFUL, SO OPEN AND SO JUDICIOUS IN OUR ACTIONS AND DECISIONS THAT NO ONE WILL ANY LONGER QUESTION OUR PROCESS AND RESULTING OUTPUT.

WHILE WE SEEK CONSENSUS WE WILL NOT TOLERATE DOMINANCE. THIS INCLUDES POSITIVE DOMINANCE WHEREBY ONE GROUP STACKS THE DECK TO ENSURE THAT AN ISSUE, TECHNICAL DOCUMENT OR PROCEDURAL QUESTION IS DECIDED IN THEIR FAVOR BY HAVING PERSONS ATTENDING A MEETING AND VOTING THE DESIRES OR INTERESTS OF A MANIPULATING ENTITY RATHER THAN THEIR OWN TECHNICAL OPINION OR VIEW.

NEGATIVE DOMINANCE IS THE MANIPULATION OF QUESTIONS OR ISSUES BY HAVING SUFFICIENT PERSONS ATTENDING A MEETING AND VOTING THE DESIRES OR INTERESTS OF A MANIPULATING ENTITY RATHER THAN THEIR OWN TECHNICAL OPINION OR VIEW IN ORDER TO STOP POGRESS

OR BLOCK APPROVAL. FOR EXAMPLE, TECHNICAL DECISION IN 802.20 REQUIRES CONSENSUS OF 75% FOR TECHNICAL DECISIONS. THEREFORE A MANIPULATING ENTITY WOULD NEED ONLY TO CONTROL JUST OVER 25% OF THE VOTERS TO BLOCK ADOPTION OR APPROVAL OF A TECHNICAL DOCUMENT.

THE ADVERSION OF THE 802 EXECUTIVE COMMITTEE AND THE IEEE TO COMPROMISE OF THE DECISION PROCESS BY MANIPULATION AND CONTROL OF THE VOTING MEMBERS CANNOT BE OVERSTATED. IT IS THE INTENTION OF THE IEEE AND MYSELF TO DO EVERYTHING POSSIBLE TO IDENTIFY, ROOT OUT AND EXPELL ALL PERSONS FOUND TO BE MINDLESS HAND PUPPETS OF OTHERS RATHER THAN MATURE THINKING AND INTELLIGENT ENGINEERING COLLEGUES ENGAGED IN THE PROCESS OF PRODUCING THE BEST TECHNICAL OUTPUT RESULT.

THE MEANS BY WHICH WE WILL BE ABLE TO IDENTIFY AND ROOT OUT COLLUSION TO ACHIEVE POSITIVE OR NEGATIVE

DOMINANCE, IS BEING STUDIED. YOU ARE ALL AWARE THAT WE REQUIRE FULL DISCLOSURE OF ATTENDEE AFFILIATION. WE RECOGNIZE THAT BEING AFFILIATED WITH A SPONSOR THAT HAS AN INTEREST IN WHAT WE DO DOES NOT NECESSARILY INDICATE COLLUSION AND CONTROL. HOWEVER, VOTING PATTERNS OVER TIME MAY VERY WELL GIVE REASON FOR WONDER. NO ONE AGREES WITH ANYONE ALL OF THE TIME, ESPECIALLY IN REGARDS TO THE COMPLEX MATTERS THAT CONCERNS THIS COMMITTEE. OVER TIME WE MAY, AS NECESSARY, DEVELOP VOTING METHODOLOGIES THAT WILL HELP PRECLUDE ORCHESTRATED VOTING. IT IS STILL A WORK IN PROCESS. WE ARE PARTICULARLY, AT THIS TIME, DEALING WITH HIGH LEVELS OF ANXIETY AND PARANOIA.

I WILL, I AM SURE, NEED A GREAT DEAL OF HELP PUTTING 802.20 IN A POSITION WHERE ITS DECISIONS ARE NOT SUSPECT AND WHERE ITS WORK TO ACHIEVE ITS MISSION CAN BE ACCOMPLISHED EFFICIENTLY AND EFFECTIVELY. I HOPE THAT MOST OF THAT HELP WILL COME FORM THE

MEMBERS OF THIS COMMITTEE. IF NOT, I MUST ASSURE YOU THAT THERE ARE MANY PEOPLE ON 802 AND THE IEEE THAT ARE WILLING, READY AND ABLE TO PROVIDE ALL OF THE SUPPORT THAT WILL BE REQUIRED. I HOPE THAT ALL THE HELP THAT I WILL NEED AND THAT ALL OF THE CORRECTIONS, CHANGES AND ADJUSTMENTS THAT WE MUST MAKE WILL COME FROM WITHIN 802.20.

INTRODUCTION

AS THE FIRST STEP TO ASSIST ME AND BECAUSE I DON'T KNOW MOST, IF NOT ALL OF YOU, I WILL REQUEST THAT EACH OF YOU STAND, TELL US YOUR NAME, YOUR AFFILIATION, IF YOU HAVE FILLED OUT A DISCLOSURE OF AFFILIATION AS REQUIRED, HOW LONG YOU HAVE BEEN ASSOCIATED WITH 802.20 AND WHAT PRIMARY AREA OF INTEREST YOU HAVE IN 802 OR FOR THAT MATTER IN 802.20.

DISCUSSION OF CURRENT ISSUES

A. CHANGE OF OFFICERS

MOST, OR ALL OF YOU, ARE AWARE THAT ALL PRIOR OFFICERS OF 802.20 HAVE BEEN REMOVED AND TODAY WE HAVE JUST A CHAIR. OVER TIME THAT WILL CHANGE, BUT FOR NOW IT JUST IS.

BOTTOM LINE, THERE WERE SO MANY QUESTIONS REGARDING BOTH DOMINANCE AND DECISIONS MADE THAT BOTH THE EXECUTIVE COMMITTEE OF 802 AND THE DIRECTORS OF THE IEEE-SA DETERMINED THAT THE ONLY WAY TO ALLOW 802.20 TO CONTINUE OPERATING WAS TO REMOVE THE ADMINISTRATION WHICH ALLOWED THESE QUESTIONS TO ARISE. OUR JOB IS TO FIX THE PERCEPTIONS THAT EXIST. IF THE PROBLEMS ARE REAL WE MUST MAKE THEM GO AWAY. IF THE PROBLEMS ARE NOT REAL WE MUST PROVE IT. UNFORTUNATELY, 802.20 IS GUILTY UNTIL PROVEN INNOCENT. WE WILL AND WE MUST PROCEED TO PROVE US INNOCENT.

B. NEED FOR OFFICERS

802.20 WILL NEED A FULL SLATE OF OFFICERS; SOMEONE TO REPLACE ME, AND THE REST OF THE NORMAL SLATE OF OFFICERS TO ADMINISTER THE ACTIVITIES OF 802.20. THE PROCESS FOR CHOOSING THE 802.20 OFFICERS WILL INCLUDE IDENTIFICATION, VETTING AND FORMAL ELECTION OF OBJECTIVE AND NON-AFFILIATED PERSONS. I SUGGEST THAT THIS WILL TAKE TIME. IT WON'T BE AT THIS MEETING OR EVEN THE NEXT, BUT WILL HAPPEN IN THE FORESEEABLE FUTURE BECAUSE IT MUST. THE CAVEATES ASSOCIATED WITH IMPLEMENTATION OF THIS PROCESS IS THAT ALL INTERESTED PARTIES MUST AND SHALL BE CONVINCED THAT THE INSTALLATION OR A NEW SLATE OF OFFICERS WILL NOT LEAD TO THE PRBLEMS THAT HAVE BEEN PREVIOUSLY ENCOUNTERED. THESE PROBLEMS INCLUDE THE PERCEPTION OF THE ADMINISTRATORS OF 802.20 THAT THE PROCESS IS NOT OPEN, FAIR, INDEPENDENT AND DEFENSABLE.

C. PLANS & LIMITATIONS FOR THIS MEETING

THE PLANS FOR THIS MEETING ARE TO FIRST AGREE UPON WHERE WE ARE AS 802.20. AS YOU KNOW, A VARIETY OF ISSUES EXIST. WE MUST LOOK AT THE DIRECTIVES OF THE STANDARDS BOARD WHICH INCLUDE:

- 1. TERMINATION OF THE WG BALLOTS IN PROCESS.**
- 2. REOPEN THE TECHNOLOGY SELECTION PROCESS.**
- 3. UNDERSTANDING THAT AN OVERSITE COMMITTEE OF THE STANDARDS ASSOCIATION STANDARDS BOARD HAS BEEN FORMED TO REVIEW WHAT WE DO AND HOW WE DO IT.**
- 4. ADDITIONALLY THAT AN OVERSITE COMMITTEE OF 802 HAS ALSO BEEN FORMED TO REVIEW ADMINISTRATION AND MONITOR THE WORK OF 802.20.**

ANY OF YOU WHO HAVE THE IMPRESSION THAT WE ARE UNDER INCREDIBLE SCRUTINY ARE QUITE CORRECT.

IN REVIEWING THE FOUR DIRECTIVES WHICH EXIST, THE TWO WE SHOULD DISCUSS ARE TERMINATION OF THE BALLOTS IN PROCESS AND REOPENING OF THE TECHNOLOGY SELECTION PROCESS.

THE REOPENING OF THE TECHNOLOGY SELECTION PROCESS DOES NOT MEAN ABANDONING WHAT HAS BEEN ACCOMPLISHED. IT DOES MEAN MAKING CERTAIN THAT WE INVITE AND REVIEW INPUTS FOR ALTERNATIVE APPROACHES, CHANGES AND/OR MODIFICATIONS TO THE CURRENT DOCUMENTATION, AND BE PREPARED AT THE NEXT MEETING TO DISCUSS THESE INPUTS, REACH A LEVEL OF CONSENSUS CONCERNING THEM, MAKE CHANGES AS NECESSARY AND APPROPRIATE AND AS SUPPORTED BY THE 802.20 MEMBERSHIP TO ARRIVE AT A SELECTION OF TECHNOLOGY THAT IS SUPPORTABLE, DEFENSABLE AND

OPTIMAL. PREPARING FOR THIS PROCESS WILL TAKE THE BULK OF THIS WEEK.

THERE ARE A NUMBER OF APPEALS IN PROCESS. THESE INCLUDE:

- 1. PROTEST OF THE REMOVAL OF OFFICERS.**
- 2. PROTEST OF THE BALLOT TERMINATION AND,**
- 3. PROTEST OF THE REOPENING OF THE TECHNOLOGY SELECTION PROCESS.**

MY OPINION IS THAT THESE APPEALS WILL FAIL. HOWEVER, SHOULD THEY FAIL OR SUCCEED IT SEEMS TO ME THAT WE, AS 802.20, SHOULD NOT SIT DEAD IN THE WATER AND DO NOTHING. I SUGGEST AND RECOMMEND THAT WE MOVE AHEAD AS I HAVE SUGGESTED AND SHOULD THE APPEALS SUCCEED, 802.20 WILL STILL BE BETTER OFF THAN IF WE DID NOTHING.

D. DOCUMENTS IN FORCE

WE HAVE A NUMBER OF DOCUMENTS IN FORCE IN 802.20 TECHNICALLY.

WE HAVE A SYSTEM REQUIREMENTS DOCUMENT. MY CONVERSATIONS TO DATE INDICATE THAT THIS SYSTEMS REQUIREMENTS DOCUMENT IS A GOOD AND VIABLE DOCUMENT THAT WE CAN HANG OUR HAT ON. HOWEVER, I WOULD BE INTERESTED TO HEAR DISCUSSIONS ON THIS DOCUMENT, OPINIONS IN SUPPORT OR CONTRARY AND PERHAPS A STRAW VOTE CONCERNING THE 802.20 SYSTEMS REQUIREMENTS DOCUMENT. A REAFFIRMATION OR NOT, IF YOU WILL.

WE ALSO HAVE A CHANNEL MODEL. IN A SIMILAR FASHION, I INVITE DISCUSSIONS ON THE CHANNEL MODEL AND REAFFIRMATION OR NOT.

THE DRAFT STANDARD IN BALLOT IS A BIG ISSUE. YOU ARE AWARE THAT THE BALLOT HAS BEEN SUSPENDED. WE WANT THE SAME OPEN AND HONEST DISCUSSION OF THE

draft. ONCE AGAIN WE WILL INVITE SUGGESTIONS, RECOMMENDATIONS FOR CHANGE ALTERNATIVES LEADING TO CHANGE OR NOT AND A NEW BASE LINE OR NOT FOR BALLOT.

I POINT OUT THAT SCRUTINY WILL BE INTENSE. I WILL ASK AND DEMAND THAT ALL VIEWS PRO OR CON BE SUPPORTED I WILL LOOK FOR ALL INPUTS TO BE RATIONAL, SUPPORTABLE, TECHNICAL AND UNEMOTIONAL LEADING TO A TOTALLY DEFENSABLE AND SUPPORTABLE DOCUMENT WHICH WILL BE REOPENED FOR BALLOT.

WE ALSO HAVE A NUMBER OF ADMINISTRATIVE PROCEDURAL DOCUMENTS AND WE HAVE A POLICY AND PROCEDURES DOCUMENT.

I will INVITE DISCUSSION DURING THIS WEEK OF THE 802.20 POLICY AND PROCEDURES. I WILL SEEK MEANS AND WAYS TO PRECLUDE REOCCURANCE IN THE FUTURE OF THE PROBLEMS WHICH CURRENTLY BESET US.