

21 January 2008

Dear EC members,

The initial sponsor ballot of 802.20 closed last week. Based on the procedures we approved (Attachment #2) and the sponsor ballot group bloc-list (Attachment #3) the individual votes were assigned to bloc-votes as shown in Attachment #1.

The results are as follows:

Nc = number of nc blocs voting Disapprove with Comment	11
Nn = number of nn blocs voting Disapprove without Comment	01
Y = number of y blocs voting Approve	39
A = number of a blocs voting Abstain	08
B = number of blocs of the approved Sponsor Ballot Group.	70

ReturnRate =  $(Nc + Nn + Y + A) / B$                        $(11+1+39+8)/70 =$                       0.843

ApproveRate =  $Y / (Nc + Y)$                                        $39/(11+39) =$                                       0.780

AbstainRate =  $A / (Nc + Nn + Y + A)$                                $8/(11+1+39+8) =$                               0.136

The ballot is in the comment resolution process now in preparation for recirculation.

Regards,

--Paul Nikolich

Chairman, IEEE 802 LMSC

## Attachment #1 Individual to bloc vote assignments:

Affiliation	Last Name	1st name	Individual	Bloc Vote	Voting Bloc Index
ABFL Groupe Intellex	youssefmir	michael	Y	Y	1
Advanced Micro Devices	Goma	Sergiu R	Y	Y	2
ADVANTEST	Nakada	Juichi	Y	Y	3
ALCATEL-LUCENT	O'Brien	Francis	Y	Y	4
ALCATEL-LUCENT	Rajkumar	Ajay			
Alvarion	Goldhamer	Mariana	D	D	5
Aruba Networks	Ponnuswamy	Subburajan			
Axxcelera	Geipel	Michael D			
BAE Systems	Mody	Apurva N	Y	Y	6
Boeing	Robinson	Robert A	Y	Y	7
Broadcom	Georgantas	Theodore			
Broadcom	Hansen	C J			
Broadcom	Hou	Victor	D	D	8
Broadcom	Karaoguz	Jeyhan			
Broadcom	Kim	Yongbum			
Broadcom	Kolze	Tom J	D		
Broadcom	Palm	Stephen	D		
Cedarcom Broadband SAL	Wilson	Joanne C	Y	Y	9
ETRI	Jee	Junghoon	A		
ETRI	Kim	Eunkyung	Y	Y	10
ETRI	Lee	Heesoo	Y		
Foxconn Electronics	Peppler	Michael S	A	A	11
Fujitsu Limited	Obara	Satoshi	Y	Y	12
Hifm, Inc.	Dietz	Russell S	Y	Y	13
Hitachi	Oyama	Satoshi	A		
Hitachi	Cooklev	Todor V	Y	Y	14
Huawei Technologies Co., LTD.	Carlo	James	A		
Huawei Technologies Co., LTD.	Barber	Phillip	D	D	15
Hydro One Networks Inc.	Sully	Alourdes T			
IBM	Alhara	Toru	Y	Y	16
Intel	Ahmadi	Sassan			
Intel	Johnston	David			
Intel	Puthenkulam	Jose			
Intel	Shono	Takashi			
Intel	Yaghoobi	Hassan			
InterDigital Communications Corp	Kiernan	Brian G	D	D	17
Itron	Osterloh	Chris			
Kyocera	Canchi	Radhakrishna	Y	Y	18
Lexmark	Wright	Forrest	A	A	19
LG Electronics, Inc.	Kim	Yongho	A	A	20
Marvell Semiconductor	Banerjea	Raja			
Motorola Inc	Barr	John R	A		
Motorola Inc	Giesberts	Pieter-Paul	Y		
Motorola Inc	Jette	Alan	D	D	21
Motorola Inc	Jose	Bobby	A		
Motorola Inc	Noens	Richard H			
Motorola Inc	Powers	Chuck			
Motorola Inc	Schumacher	Joseph			
Navini Networks	Maez	Dave	A		
Navini Networks	Ruck	Herbert M	Y	Y	22
Nextwave Broadband	Goh	Wee	A		
Nextwave Broadband	Julka	Vibhor	A		
Nextwave Broadband	Marks	Roger	D	D	23
Nextwave Broadband	Piggin	Paul	A		
Nextwave Broadband	Colban	Erik	A		
Nextwave Broadband	Wang	Lei	A		
Nextwave Broadband	Khalona	Ramon A	A		
Nextwave Broadband	Marsh	Gene W	A		
Nokia/Nokia-Siemens-Networks	Probasco	Michael S	A	A	24
Nokia/Nokia-Siemens-Networks	Varshney	Prabodh	A		
Nokia/Nokia-Siemens-Networks	Waes	Nico J	A		
Nokia/Nokia-Siemens-Networks	Eklund	Carl	A		
Nokia/Nokia-Siemens-Networks	Pirhonen	Riku	A		
Siemens/Nokia-Siemens-Networks	Riegel	Maximilian	A	A	25
Siemens/Nokia-Siemens-Networks	Chindapol	Aik	A		
Siemens/Nokia-Siemens-Networks	Kleindl	Gunter	A		
Nortel Networks	Costa	Jose M	A		
Nortel Networks	Parsons	Glenn W	D	D	26
Nortel Networks	Tee	Lai King Anna	D		
Nortel Networks	Wang	Michael	A		
Nortel Networks	Zhu	Pelying	A		
NTT DoCoMo Inc	Watanabe	Fujio	Y	Y	27
NXP Semiconductors	Kerry	Stuart J	Y	Y	28
Qualcomm	Klerer	Mark S	Y	Y	29
Qualcomm	Bravin	Nancy S	Y		
Qualcomm	Epstein	M	Y		
Qualcomm	Horn	Gavin	Y		
Qualcomm	Ji	Tingfang	Y		
Qualcomm	Khatibi	Farokh	Y		
Qualcomm	Naguib	Ayman	Y		
Qualcomm	Sun	Jing	Y		

Qualcomm	Tomcik	James D	Y			
Qualcomm	Upton	Jerry D	Y			
Qualcomm	Gillies	Donald	Y			
Qualcomm	Gowalkar	Radhika	Y			
Quanta Microsystems, Inc.	Wang	Stanley S	A	A	30	
RealNet Solutions, Inc.	Francis	Prince	Y	Y	31	
Rohde & Schwarz	Struppler	Walter	Y	Y	32	
RUNCOM	Kitroser	Itzik	D	D	33	no comments
Samsung Electronics	Kang	Hyunjeong				
Samsung Electronics	Koo	Changhoi				
Samsung Electronics	Liu	Xiaoyu				
Schweitzer Engineering Laboratories	Groves	Randall	Y	Y	34	
SIBEAM	Gilb	James	D	D	35	
Sprint Corp	Humbert	John J	A	A	36	
Steepest Ascent Ltd	Freeland	Graham C	Y	Y	37	
Taiyo Yuden	Tanahashi	Masato	Y	Y	38	
Telefon AB, LM Ericsson	Ragsdale	James H	Y	Y	39	
Texas Instruments	Choudhary	Manoj				
TransCore	Landt	Jeremy	Y	Y	40	
US Navy	Starai	Thomas	Y	Y	41	
VeriWave	Alexander	Thomas	Y	Y	42	
Wavesat, Inc.	Labs	Jonathan F	D	D	43	
Yamatech Group Inc	Terry	John	Y	Y	44	
Zhone Technologies	Calderon	Peter J	Y	Y	45	
ZTE Corporation	Cal	Sean				
Institute of Miyagi Pref	Oguma	Hiroshi	Y	Y	46	
Meiji Univ./NICT	Ikegami	Tetsushi	Y	Y	47	
National Chung Hsing University	Liao	Jan-Ray	Y	Y	48	
Niigata University	Sasaki	Shigenobu	Y	Y	49	
Politecnico di Bari - Italy	Boggia	Gennaro				
Southern Methodist University	Cleveland	Joseph R	D	D	50	
Tohoku University	Nakase	Hiroyuki	Y	Y	51	
TU Berlin	Emmelmann	Marc	Y	Y	52	
University of Strathclyde	Stewart	Robert				
University of Strathclyde	Pfann	Eugen	Y	Y	53	
University of Bonn	Martini	Peter	Y	Y	54	
University of Reading, UK	Guy	C				
Waseda University	Ito	Atsushi	Y	Y	55	
Washington University in Saint Louis	Jain	Raj	Y	Y	56	
Yonsei University	Yang	Janghoon	A	A	57	
Yuan Ze University, Ph. D. Student	Chen	Yung-Mu	Y	Y	58	
ACS HCS	Willow	David R	Y			
Ameba Consult	Uchida	Mark-Rene				
Arosco Inc.	Greenspan	Arnold	Y			
Booz Allen Hamilton (US DOHS)	Eydt	Bernard C	Y			
Tony Jeffree	Jeffree	Anthony A	D	D	59	
Consultant	Eckard	Richard G				
Consultant	Pechey	William L	Y			
CSI Telecommunications Engineers	Newman	Michael	Y			
Enterprise Digital Architects	Antonelli	Danilo	Y			
Future DOS R&D Inc.	Moise	Avygdor	Y			
Hexagon System Engineering Ltd	Freedman	Avraham	D			
IEEE (PCI Energy)	Luri	G				
IEEE 802-OC	Thompson	Geoffrey	D			
Independent	Chow	Keith	Y			
Independent	Takefman	Michael L	A			
Independent Consultant	Yuen	Oren	Y			
L&M Data Communications	Morales	Jose	Y			
M.V. Ball Technical	Ball	Matthew V	Y			
Murias Consulting, Inc.	Murias	Ronald G	D			
n/a	Lin	Wei-Ting				
Neocific, Inc.	Lo	Kwok Yeung				
PRIVACOM VENTURES, INC.	Byrd	William A	Y			
Tkstds Management	Kurihara	Thomas	A			
unemployed - retired	Carreon	Juan C	Y			
WK3C Wireless LLC	Stevenson	Carl	Y			
YAS	Nikolich	Paul	A			
CN Utility	Patton	Kevin B				
L&M Italia S.r.l.	Donati	Carlo	Y			
National Water Commission	Gayle	Devon L	Y			
PSC	Michel	Gary L	Y			
SEC	Lim	Geunhwi				
				Individual	Bloc	
			Y	69	39	
			D	17	11	
		D w/o comment		1	1	
			A	33	8	
		total		120	59	

## **Attachment #2: 802.20 Sponsor Ballot Procedure:**

- 1) At the close of invitation to ballot the normal process for individual-based standards development process provides for the Sponsor's review of the balloting group (to determine compliance with procedural requirements for balance.)
- 2) At this point the 802 Executive Committee's 802.20 Oversight Committee ("OC") shall identify the bloc to which each individual in the balloting group belongs.
- 3) For those members of the Working Group who voted on the WG ballot AND those members of the WG who voted on subsequent issues within the "special" 802.20 balloting method, their default assignment will be to their previous bloc.
- 4) The 802.20 WG Chair shall review the currency of those assignments. Change of employment or declared affiliation, and other available information, will be considered for moving an individual to another bloc or as grounds for creation of a new bloc. (i.e., the same kind of operation for 802.20 non-member participants.)
- 5) Once the OC have completed review of all of the 802.20 participants, they will review information for those who have signed up for the balloting group who are not 802.20 participants. An email shall be sent to the Sponsor Ballot Group members to request affiliation information as needed to support the creation of new blocs and the correct assignment of individuals to blocs. Response will be due within two business days.
- 6) The OC will attempt to reach consensus agreement on all of the above. In the absence of consensus, however, a majority decision will prevail.
- 7) The list will be submitted to the 802 EC Chair for final review. The Chair may question the OC about individual decisions and ask the OC to take further action. Once the Chair has signed off on the list, the assignments shall be made public via e-mail to:
  - The balloting Group
  - The 802.20 reflector
  - The 802 EC
- 8) Ballot group members will be provided two business days to review determinations and provide additional information to the OC. The OC will then review its decisions and determine whether to make any final revisions. At that point the Sponsor Ballot will begin.
- 9) Each bloc may wish to select a group representative and disclose that person to the Working Group Chair if it is felt that having a centralized contact point will facilitate comment resolution.

**05DEC2007 SASB Motion on 802.20 WG Sponsor Ballot:**

Move to approve 802.20 to enter Sponsor ballot using the individual method with the following additional modifications:

- The casting of individual votes and submittal of comments shall be done through myBallot.
- The unconflicted LMSC EC shall oversee conduct of the ballot, including determination of affiliation and voting blocs in a manner consistent with that used for determining the voting members of the 802.20 working group.
- The unconflicted LMSC EC shall review the votes cast, audit the ballots and produce a modified tally for use in determining success of the ballot, need for and scope of recirculation and for submittal along with raw tallies to RevCom when balloting is complete.

The unconflicted LMSC EC shall use the blocs determined above to count the votes. The vote of the bloc shall be calculated with any disapprove comment making the vote of the bloc vote a disapprove with comment; absent a disapprove comment, one or more approve makes the vote of the bloc approve.

**Grouping of independents and unaffiliated consultants into one bloc:**

A single bloc of independents and unaffiliated consultants has been created. This tracks the procedure that was implemented within the 802.20 Working Group. (At the WG level the OC ended up moving all individuals out of the independents and unaffiliated consultants bloc via the investigative process.)

## **Sponsor Ballot Calculus**

Each bloc will have its vote characterized into one of the following categories:

nc = Disapprove with comment.

nn = Disapprove without a comment

y = Approve (with or without comments)

a = Abstain

The vote for a bloc will be determined by examining all votes received by members of that bloc.

If at least 1 ballot is Disapprove with Comment then the bloc vote is nc.

If there are no Disapprove with Comment ballots and at least 1 Approve ballot then the bloc vote is y

If there are no Disapprove with Comment ballots and no Approve ballots but there is at least 1 abstain ballot then the bloc vote is a.

If the only ballot(s) returned from a bloc is Disapprove without Comment ballot then the bloc vote is nn.

To calculate the Sponsor Ballot results the following variables are tabulated from the bloc votes as defined above:

Nc = number of nc blocs voting Disapprove with Comment

Nn = number of nn blocs voting Disapprove without Comment

Y = number of y blocs voting Approve

A = number of a blocs voting Abstain

B = number of blocs of the approved Sponsor Ballot Group.

$$\text{ReturnRate} = (Nc + Nn + Y + A) / B$$

$$\text{ApproveRate} = Y / (Nc + Y)$$

$$\text{AbstainRate} = A / (Nc + Nn + Y + A)$$

**Attachment #3 Sponsor Ballot**

**Group Bloc-list**

1 vote each for the following entities

ABFL Groupe Intellex  
Advanced Micro Devices  
ADVANTEST  
ALCATEL-LUCENT  
Alvarion  
Aruba Networks  
Axxcelera  
BAE Systems  
Boeing  
Broadcom  
Cedarcom Broadband SAL  
ETRI  
Foxconn Electronics  
Fujitsu Limited  
Hifn, Inc.  
Hitachi  
Hydro One Networks Inc. Huawei Technologies Co., LTD.  
IBM  
Intel  
InterDigital Communications Corp  
Itron  
Kyocera  
Lexmark  
LG Electronics, Inc.  
Marvell Semiconductor  
Motorola Inc  
Navini Networks  
Nextwave Broadband  
Nokia/Nokia-Siemens Networks  
Nortel Networks  
NTT DoCoMo Inc  
NXP Semiconductors  
Qualcomm  
Quanta Microsystems, Inc.  
RealNet Solutions, Inc.  
Rohde & Schwarz  
RUNCOM  
Samsung Electronics  
Schweitzer Engineering Laboratories  
SiBEAM  
Siemens/Nokia-Siemens Networks  
Sprint Corp  
Steepest Ascent Ltd  
Taiyo Yuden  
Telefon AB, LM Ericsson

Texas Instruments  
TransCore  
US Navy  
VeriWave  
Wavesat, Inc.  
Yamatech Group Inc Zhong Technologies  
ZTE Corporation

1 vote each for the following Universities

Institute of Mlyagi Pref  
Meiji Univ./NICT  
National Chung Hsing University  
Niigata University  
Politecnico di Bari - Italy  
Southern Methodist University  
Tohoku University  
TU Berlin  
University of Strathclyde  
University of Bonn  
University of Reading, UK  
Waseda University  
Washington University in Saint Louis  
Yonsei University  
Yuan Ze University

1 vote for the remaining members grouped into a consultant/independent bloc

ACS HCS  
Ameba Consult  
Arosco Inc.  
Booz Allen Hamilton (US DOHS)  
Tony Jeffree  
Consultant  
Consultant  
CSI Telecommunications Engineers  
Enterprise Digital Architects  
Future DOS R&D Inc.  
Hexagon System Engineering Ltd  
IEEE (PCI Energy)  
IEEE 802-OC  
Independent  
Independent  
Independent Consultant  
L&M Data Communications  
M.V. Ball Technical  
Murias Consulting, Inc.  
n/a  
Neocific, Inc.  
PRIVACOM VENTURES, INC.  
Tkstds Management  
unemployed - retired  
WK3C Wireless LLC  
YAS  
CN Utility  
L&M Italia S.r.l.  
National Water Commission  
PSC  
SEC