

# IEEE P802.11

## Wireless MAC and PHY specifications

# Instructions for use of the Letter Ballot

## Form

Vic Hayes, Chair

The table given in document 96/32, the Letter Ballot Form, is for the entry of comments to the proposed draft standard. Please enter your initials<sup>1</sup> in every row of the table. Comments may be aggregated and sorted for distribution. Identification of the source of every comment row is required.

Column	Title	Meaning
1	none	This cell will be used for identification of the present comment line in the consolidation and resolution phases of the Letter Ballot Process. Do not use in the comment phase.
2	Section number	Provide in this cell the section.subsection.sub... number to which your comment applies. Multiple entries are possible.
3	Voter's initials	To identify the voter. Please use the list provided on the following pages to pick your initials for this exercise or to find unique initials in the case you are not in the list.
4	Type of comments	Indicate here whether your comment is minor editorial (e), major editorial (E), minor technical (t) or major technical (T).
5	Part of NO vote	Enter an "Y" to show whether this row of your comment constitutes part of your "do not approve" (NO) vote. IEEE requires: <b>this vote shall be accompanied by specific reasons in sufficient detail so that the specific wording of the changes that will cause the voter to change his or her vote to "Approve" can readily be determined.</b>
6	Comment/Rationale	Indicate in this cell the comment you have and the the rationale for your proposed text or comment. If you have comments that have already been rejected in the issues list or in the rebuttals of previous ballots, you need to provide new arguments in order to make your comment valid.
7	Corrected text	Copy here the part of the text that has to be removed or modified. Make your modifications with Tools, Revisions, Mark revisions in ON state. If you need to have pictures included, or if the involved text is substantial, we suggest that you assign a page to this comment or request a document number, with a pointer to that section or document in this cell.
8	Disposition/Rebuttal	This cell is not for use in the commenting phase. Do not use.

When you have completed a comment row, press TAB in the "Disposition/rebuttal" column to generate a new row in the table.

Note: The Letter Ballot Form features a separate row with column titles below the entry row, With this addition, you will always have the column titles at hand where you are working, without the need to peek in the header.

**Important: Do not change the attributes of the table, such as the column width!**

<sup>1</sup> Refer to the list below to find your initials as standardized to prevent two balloters using the same initials.

# Instructions for submitting the file of your Letter Ballot

1. general      Please give the file with your comments a name equal to your initials (as given in the table below) and compress the Word file (in Word for Windows V2.0 or V6.0 format) using pkzip, using the same name of the file with zip as extension!
2. using e-mail      if your e-mail system does not automatically encode your attachments, use uuencode on the zip file and include the result in an email with the subject "Letter Ballot Response" and send the e-mail to v.hayes@ieee.org.  
You should receive an acknowledgement of your email within two business days. If you do not receive an acknowledgement, resend your ballot until you received an acknowledgement.
3. using ftp      You need an FTP software in which you can give your own commands.  
Open a connection to stdsbbs.ieee.org (@) and enter "anonymous" to the question of your name enter your e-mail address (or just the part including the @-sign) in response to the password question enter the following commands:  
    cd /private  
    quote site group p802.11  
    quote site gpass thepasswordtogetdraft (see coverletter)  
    cd p802.11  
    cd ballot  
    put nameofyourzipfile
4. using mail      You can not see what files are available. That has to do with security protection.  
Copy the zipfile to a 3.5" diskette formatted in DOS and make sure the diskette is protected well. Send to the address mentioned on the first page of the ballot form
5. using courier      Copy the zipfile to a 3.5" diskette formatted in DOS and make sure the diskette is protected well. Send to the address mentioned on the first page of the ballot form. (my telephone number is 030 609 7528)

## Initials to be used for each record of the comments and for the filenames

The following pages show the unique initials for each of the persons getting the mailing.

title_firstname	lastname	Initials	relation	phone	fax	e_mail
Mr. JEFF	ABRAMOWITZ	ja	Nearly V	+1 408 764 5974	+1 408 764 6897	jeff_abramowitz@3mail.3com.com
Mr. ROBERT	ACHATZ	ra	aspirant	+1 303 497 3498	+1 303 497 3680	rachatz@ntia.its.bldrdoc.gov
Mr. STAFFAN	ALEXIUS	sa	aspirant	+46 40 105131	+46 40 307029	staffan.alexius@malmo.tlab.se
Mr. KENNETH G.	ALONGE	ka	ExCom	+1 703 883 8603	+1 703 883 8499	alonge_ken@po.gis.prc.com
Mr. BRYAN W.	ANDERSON	ba	aspirant	+1 404 447 4224 X3576	+1 404 447 6928	bwa2051@lxe.com
Mr. DAVID	BAGBY	db	Voter	+1 408 749 5425	+1 408 774 8446	david.bagby@amd.com
Mr. C. THOMAS	BAUMGARTNER	tb	Voter	+1 847 317 1770	+1 847 317 1517	ctb8@aol.com
Mr. J.PAUL	BENSON JR.	pb	ExCom	+1 404 798 2883	+1 404 798 4654	jpb@akguc.att.com
Mr. MANUEL J.	BETANCOR	mb	Voter	+34 28 451272	+34 28 451243	betancor@deimos.ulpgc.es
Mr. SIMON	BLACK	sb	Voter	+44 1223 421025	+44 1223 421031	sab@symbionics.co.uk
Mr. JAN	BOER	jb	Voter	+31 3060 97483	+31 3060 97555	jan.boer@att.com
Mr. ALESSANDRO M.	BOLEA	amb	Voter	+1 508 490 1857	+1 508 490 1563	amb@sud2.ed.ray.com
Mr. PABLO	BRENNER	pb	Voter	+972 3 6459127	+972 3 645 9191	pablo@lannet.com
Ir. A.D.	BRINKERINK	adb	Regul.	+31 50 222179	+31 50 135645	
Mr. JIM	CARLO	jc	ExCom	+1 214 480 2524	+1 214 480 2611	i802@msg.ti.com
Mr. DAVE	CARLSON	dc	ExCom	+1 908 264 2581	+1 908 949 1196	
Mr. PETER E.	CHADWICK	pc	Voter	+44 1793 518080	+44 1793 518318	gecp.peterc@applelink.apple.com
Mr. NAFTALI	CHAYAT	nc	Voter	+972 3 645 9195	+972 3 645 9191	naftali@lannet.com
Dr. JONATHON Y.	CHEAH	jyc	Voter	+1 619 450 1220 X3069	+1 619 457 2681	jcheah@airlan.com
Dr. KWANG-CHENG	CHEN	kc	Voter	+886 35 715131 x4054	+886 35 715971	chenkc@ee.nthu.edu.tw
Dr. HAE WOOK	CHOI	hc	Voter	+82 42 860 6841	+82 42 860 6200	hwchoi@cadvax.etri.re.kr
Mr. CHARLES I.	COOK	cc	Liaison	+1 303 541 4227	+1 303 727 4683	
Dr. Y.	DALLAL	yf	aspirant	+972 9 978637	+972 9 978637	
Mr. MARK	DEMANGE	md	Voter	+1 708 576 7913	+1 708 538 5391	mark_demange@wes.mot.com
Mr. RAJIV	DHINGRA	rd	Nearly V	+1 408 369 2617	+1 408 446 4630	rajivd@psd.symbol.com
Mr. WIM	DIEPSTRATEN	wd	Voter	+31 3060 97482	+31 3060 97555	wim.diepstraten@att.com
Mr. ROBERT A.	DONNAN	rad	ExCom	+1 919 728 5495		donnan@vnet.ibm.com
Ms. KATHY	DOTY	kd	Liaison	+1 908 562 3809	+1 908 562 1571	k.doty@ieee.org
Mr. SCOTT	DOYLE	sd	aspirant	+1 508 656 2603	+1 508 656 2777	sbd@technet.macom.com
Dr. PAUL	EASTMAN	pe	ExCom	+1 602 861 3652	+1 602 861 0251	p.eastman@computer.org
Mr. ROBERT J.	EGAN	re	Voter			bobe@ids.net
Mr. JOHN W.	ENG	je	ExCom	+1 508 486 7734	+1 508 486 5511	eng@took.enet.dec.com
Mr. DARWIN	ENGWER	dre	aspirant	+1 415 691 2500	+1 415 691 1064	dengwer@xircom.com
Mr. GREG	ENNIS	ge	Voter	+1 408 358 5544	+1 408 358 5541	gennis@netcom.com
Mr. DAN	ERICSON	dne	aspirant	+1 508 442 4966	+1 508 442 4988	ericsond@corp.macom.com

Mr. JOHN	FAKATSELIS	jf	Voter	+1 407 729 4733	+1 407 724 7094	jfakat01@ccmail.mis.se mi.harris.com
Mr. MATTHEW	FISCHER	maf	Voter	+1 408 749 5403	+1 408 774 8449	abl matt@brahms.amd.c om
Mr. MICHAEL	FISCHER	mif	Voter	+1 210 614 4096	+1 210 614 8192	mfischer@child.com
Mr. GEORGE	FISHEL	gef	aspirant	+1 717 592 6161	+1 717 592 6179	grfishel@amp.com
Mr. GARY	FISHMAN	gaf	Liaison	+1 908 234 3780	+1 908 234 8681	g.fishman@att.com
Mr. ROLAND	FOURNIER	rf	Voter	+1 408 749 5439	+1 408 774 8446	roland.fournier@amd.co m
Mrs. INGRID	FROMM	if	Liaison	+49 89 72248969	+49 8972252580	
Mr. KEITH S.	FURUYA	kf	Voter	+1 408 922 9053	+1 408 954 1309	Keith.Furuya@fmi.fujitsu. com
Mr. RICH	GARDNER	rg	Nearly V	+1 303 274 1900	+1 303 274 2044	rgardner@netcom.com
Mr. ED	GEIGER	eg	Voter	+1 408 974 4907	+1 408 974 9793	edg@apple.com
Mr. IAN	GIFFORD	ig	Voter	+1 508 442 4650	+1 508 442 4600	giffordi@corp.macom.co m
Mr. JAN	HAAGH	jh	aspirant	+31 3060 97464	+31 3060 97555	jan.haagh@att.com
Mr. HOWARD J.	HALL	hh	Voter	+1 508 952 0170 X345	+1 508 952 0168	howardh@wireless.wind ata.com
Mr. DENNIS	HARA	dh	aspirant	+1 206 957 4422	+1 206 957 4559	renfield!hara@ole.cdac. om
Mr. VICTOR	HAYES	vh	Voter	+31 3060 97528	+31 3060 97555	vic.hayes@att.com
Ms. CAROLYN L.	HEIDE	ch	Voter	+1 847 317 1770	+1 847 317 1517	71041.3262@compuser ve.com
Mr. DAVID TAL	HELLER	dth	Voter	+972 2 6519311/3	+972 2 6519314	davidh@rdc.active.net.il
Mr. BRADLEY	HERRIN	brh	Voter	+1 714 707 2376	+1 714 707 2434	bradley.herrin@smc.com
Mr. WILLEM	HOLLEMANS	wh	Liaison	+31 70 3325408	+31 70 3326477	
Mr. BILL	HUHN	bih	Voter	+1 216 665 7352	+1 216 665 7922	bhuhn@aironet.com
Dr.Eng. TOMOAKI	ISHIFUJI	ti	aspirant	+81 423 23 1111	+81 423 27 7775	ishifuji@crl.hitachi.co.jp
Mr. TERRY	JEACOCK	tj	Regul.	+44 171 215 2067	+44 171 928 5746	
Mr. DONALD C.	JOHNSON	dj	Voter	+1 513 445 1452	+1 513 445 1441	donald.c.johnson@dayto noh.attgis.com
Mr. YOSHIYUKI	KAMISHIMA	ky	aspirant	+81 44 435 1231	+81 44 435 1929	kami@lsi.tmg.nec.co.jp
Mr. KEVIN	KARCZ	kk	aspirant	+1 603 862 1008	+1 603 862 1915	kjk@iol.unh.edu
Mr. DEAN M.	KAWAGUCHI	dk	Voter	+1 408 369 2629	+1 408 369 2740	deank@psd.symbol.com
Mr. STUART	KERRY	sk	Voter	+1 408 369 2634	+1 408 446 4630	stuart@psd.symbol.com
Mr. BRIAN	KHABBAZ	bk	aspirant	+1 508 656 2910	+1 508 656 2900	khabbazb@corp.macom. com
Mr. MIKIO	KIYONO	mk	Voter	+1 415 528 5901	+1 415 528 5900	mikio@ccgate.sj.nec.co m
Mr. ANIL	KRIPALANI	ak	Liaison			
Mr. JAN	KRUYS	jak	Liaison	+31 3060 97529	+31 3060 97555	jan.kruys@att.com
Mr. JOSEPH J.	KUBLER	jjk	Voter	+1 303 442 1850	+1 303 442 1850	kublerj@norand.com
Mr. ARTHUR	LASHBROOK	al	aspirant	+1 415 691 2500	+1 415 691 1064	alashbro@xircor.com
Mr. WILLIAM P.	LIDINSKY	wl	ExCom	+1 708 840 8067	+1 708 840 8463	lidinsky@hep.net
Ms. ISABEL	LIN	il	Voter	+1 714 583 3854	+1 714 583 3893	isabell@tais.com
Mr. FRANCISCO J.	LOPEZ- HERNANDEZ	fl	Voter	+34 1 336 73 41	+34 1 336 7319	dxtn@tfo.upm.es
Mr. JERRY	LORAINE	jl	Voter	+44 1223 421025	+44 1223 421031	jl@symbionics.co.uk
Mr. DONALD C.	LOUGHRY	dl	ExCom	+1 408 447 2454	+1 408 447 2247	loughry@cup.HP.com
Mr. RONALD	MAHANY	rm	Voter	+1 319 369 3552	+1 319 369 5534	mahanyrl@norand.com

Mr. MICHAEL J. Mr. BOB	MARCUS MARSHALL	mjm bm	Regul. Voter	+1 408 991 2722	+1 408 991 4800	marshall@scs.philips.com
Mr. MASSIMO Mr. KELLY Mr. JIM	MASCOLI McCLELLAN McDONALD	mm km jim	Liaison ExCom Voter	+39 6 3688 6439 +1 714 707 2393 +1 708 576 3169	+39 6 322 2637 +1 714 707 2434 +1 708 576 0892	mac@west.smc.com jim_mcdonald@wes.mot.com
Dr. AKIRA	MIURA	akm	Voter	+1 415 858 1000	+1 415 493 1930	miura@tadw.research.p anasonic.com
Mr. JAMES F.	MOLLENAUER	jm	ExCom	+1 617 244 0077	+1 617 244 0077	jmollenauer@mcimail.com
Mr. JOHN E.	MONTAGUE	jem	ExCom	+1 612 638 8651	+1 612 638 7531	john.montague@stpaul.a ttgis.com
Mr. TOM Mr. ADRIANO J. Mr. DANIEL J.	MOORING MOREIRA MORELLI	tm ajm dm	Regul. Voter Nearly V	+1 202 653 8114 +351 34 381937 +1 216 867 3700	+1 202 653 8773 +351 34 381941 +1 216 869 2255	adriano@ua.pt dmore@teleng.eng.telxo n.com
Mr. WAYNE D. Mr. RAVI P.	MOYERS NALAMATI	wm rn	Voter aspirant	+1 408 338 7562 +1 508 486 5189	+1 408 338 7562 +1 508 486 5949	wmoyers@wise.com nalamati@irocz.enet.dec .com
Mr. HUY	NGUYEN	hn	aspirant	+1 714 236 9507 x313	+1 714 236 9664	nguyen@sldc.com
Dr. GERARD	NOURRY	gn	Regul.	+1 613 998 2842	+1 613 990-7987	gerard.nourry@crc.doc.c a
Mr. BOB Mr. MITSUJI	O'HARA OKADA	bo mo	Voter Voter	+1 408 749 4952 +1 415 965 6549	+1 408 774 8447 +1 415 965 6264	bob.ohara@amd.com mokada@asic.mtv.nec.c om
Mr. SHUKI Mr. LARRY	PERLMAN PETERSEN	sp lp	aspirant Voter	+972 2 892555 +1 208 234 6735	+972 2 892600 +1 208 234 6760	shuki@isv.dec.com lpeterse@poci.amis.com
Mr. AL	PETRICK	ap	Voter	+1 407 729 4944	+1 407 724 7094	apetrick@ccmail.mis.se mi.harris.com
Mr. PAUL	PIRILLO	pp	aspirant	+1 404 623 7505	+1 404 623 7136	paul.pirillo@atlantaga.att gis.com
Mr. KIRK Ms. MIRI Mr. JOHN Mr. JAMES A.	PREISS RATNER REED RENFRO	kp mra jr jar	ExCom Voter Regul. Voter	+1 919 254 4410 +972 3 6459134 +1 202 418 2455 +1 508 490 1934	+1 919 254 5410 +972 3 645 9191 +1 202 418 1944 +1 508 490 1563	preiss@vnet.ibm.com mirir@lannet.com jreed@fcc.gov james_a_renfro@ccmail. ed.ray.com
Dr. EVERETT	RIGSBEE III	er	ExCom	+1 206 957 5335	+1 206 957 5050	buzzer@kbct.bems.boei ng.com
Mr. WILLIAM	ROBERTS	wr	Nearly V	+1 208 233 4690 x6514	+1 208 234 6760	wroberts@poci.amis.co m
Mr. JON WALTER	ROSDAHL	jwr	Voter	+1 801 429 3183	+1 801 429 7232	JON_ROSDAHL@novell .com
Mr. MICHAEL Mr. CHANDOS Mr. ANIL K. Mr. LEON S. Mr. RICH Mr. MASANORI	ROTHENBERG RYPINSKI SANWALKA SCALDEFERRI SEIFERT SHIBAYAMA	mro cr as ls rs msh	Voter Voter Voter Voter aspirant aspirant	+972 3 6458423 +1 415 389 6659 +1 416 724 8127 +1 301 688 0293 +1 408 996 0922 +81 43 211 3352	+972 3 645 9191 +1 415 389 6746 +1 416 724 8128 +1 301 688 0289 +1 408 996 2860 +81 43 211 8880	mrot@lannet.com rypinski@netcom.com anil@interlog.com lsscald@alpha.ncsc.mil seifert@netcom.com shibayama.masanori@n sc-host.nsc.cae.ntt.jp
Mr. TOSHIO	SHIMIZU	tsh	Nearly V	+81 422 45 9231	+81 422 45 9740	shimizu@lab.nihonmuse n.co.jp
Mr. ERAN Mr. THOMAS	SHPAK SIEP	es tsi	Nearly V Voter	+972 9 982606 +1 214 995 3675	+972 9 983218 +1 214 995 6194	airaxs@netvision.net.il siep@ti.com

Mr. NATHAN	SILBERMAN	ns	Voter	+1 408 565 5143		snathan@ix.netcom.com
Mr. DON	SLOAN	dos	Voter	+1 216 665 7917	+1 216 665 7301	dons@aironet.com
Dr. ZVI	SLOVIN	zs	aspirant	+972 2 6521876	+972 2 6519314	zvika@rdc.active.net.il
Mr. GREG	SMITH	gs	Voter	+44 1522 502476		smith_g@lincoln.gpsemi.com
Mr. MARVIN	SOJKA	mso	Voter	+1 216 665 7918	+1 216 665 7355	msojk@telxon.com
Mr. JOHN	SONNENBERG	js	Voter	+1 619 674 8360	+1 619 674 8373	johnsonnenberg@pulseeng.com
Dr. WALTER C.	SOTELO	ws	aspirant	+1 408 654 2052	+1 408 492 1982	walters@fsba.com
Mr. DAVE	STROHSCHHEIN	das	aspirant	+1 603 862 4519	+1 603 862 1915	das@iol.unh.edu
Mr. BERT	SULLAM	bs	Nearly V	+1 206 957 4422	+1 206 957 4550	bert@seasil.wa.com
Mr. MACK	SULLIVAN	msu	Voter	+1 415 960 1630	+1 415 960 1984	mack@proxim.com
Mrs. PAT	THALER	pt	ExCom	+1 916 785 4538	+1 916 785 8088	pat@hprnd.rose.hp.com
Mr. GEOFFREY O.	THOMPSON	gt	ExCom	+1 408 764 1339	+1 408 988 5525	thompson@baynetworks.com
Mr. MIKE	TROMPOWER	mt	Voter	+1 216 665 7920	+1 216 665 7301	mtrom@aironet.com
Mr. TOM	TSOULOGIANNIS	tt	Voter	+1 416 299 1954	+1 416 299 3714	tomt@interlog.com
Mr. RYAN H.	TZE	rt	Voter	+1 714 587 6769	+1 714 583 3893	ryant@tais.com
Ms. JEANINE	VALADEZ	jv	Voter	+1 408 749 5206	+1 408 774 8448	jeanine.valadez@amd.com
Prof. DHADESUGOOR R.	VAMAN	dv	ExCom	+1 201 216 5049	+1 201 216 5057	dvaman@ati.stevens-tech.edu
Mr. SAROSH	VESUNA	sv	Voter	+1 408 369 2657	+1 408 369 2740	saroshv@psd.symbol.com
Mr. HIROHISA	WAKAI	hw	Voter	81 7436 5 2466	+81 7436 5 2163	wakai@shpcsl.sharp.co.jp
Mr. RICHARD E.	WHITE	rw	Voter	+1 708 435 0235	+1 708 576 7907	white_rick@macmail2.cig.mot.com
Mr. STEPHEN	WOOD	sw	Voter	+1 214 952 1139	+1 214 952 1189	swood@AEP-MAIN-PO1.ANDREW.sprint.com
Ms. DONNA A.	WOZNICKI	dw	aspirant	+1 508 486 5085	+1 508 486 5949	woznicki@lkg.mts.dec.com
Mr. IWEN	YAO	iy	Voter	+1 508 256 4950	+1 508 256 5120	
Mr. RALPH C.	YEAGER	ry	Voter	+1 919 543 3779	+1 919 543 7378	ralphy@vnet.ibm.com
Mr. HYUN	YOE	hy	aspirant		+82 661 50 3508	yhyun@sunchon.suncho.n.ac.kr
Mr. CHRIS	ZEGELIN	cz	Voter	+1 408 369 2667	+1 408 369 2740	chrisz@psd.symbol.com
Mr. TIMOTHY M.	ZIMMERMAN	tz	Nearly V	+1 319 369 3471	+1 319 369 3565	zimmermt@norand.com
Mr. LAWRENCE H.	ZUCKERMAN	lz	Voter	+1 408 263 6300	+1 408 263 6571	zuckerman@imicorp.com
Mr. JOHNNY	ZWEIG	jz	Voter	+1 415 691 2500	+1 415 691 1064	jzweig@xircom.com