

OFFICIAL IEEE 802.11 WORKING GROUP PROJECT TIMELINES - 2023-01-27

IN PROCESS - Standards, Amendments, and Recommended Practices

IEEE Project and Final Document	Final Doc Type	Project Authorization Request (PAR)	Task Group and Activity	Documentation		Current Status	PAR Approved, Modified, or Extended [Expires]	WG Letter Ballots			Form Standards Association (SA) Ballot Pool / Reform	MEC / MDR Done	IEEE SA Ballots			Final or Conditional 802.11 WG Approval	Final or Conditional 802.11 EC Approval	RevCom & Standards Board Final or Continuous Process Approval	ANSI Approved	Superseded or Withdrawn by Standards Board
				Session End Snapshot	Format & Version			Draft Predicted Initial	Date Predicted Recirc	Result			Draft Predicted Initial	Date Predicted Recirc	Result					
IEEE Std P802.11bk	A	320 MHz Positioning	TGbk	PDF	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2022-12-03													
						Predicted	C	Jul 2023	Nov 2023	Jan 2024		Mar 2024	May 2024	Sep 2024	Nov 2024	Nov 2024	N/A			
IEEE Std P802.11bi	A	Enhanced Data Privacy	TGbi	PDF	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2021-02-10 [2025-12-31]													
						Predicted	C	Jul 2023	Nov 2023	Mar 2024	May 2025	Jul 2024	Jan 2025	Jul 2025	Jul 2025	Sep 2025	N/A			
IEEE Std P802.11me	A	802.11 Accumulated Maintenance Changes	TGme	PDF D2.10	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2021-02-10 [2025-12-31]	D1.0 D2.0	2022-01-10 2022-11-11	84% 87%										
						Predicted	C	C	C	May 2023	Sep 2023	Nov 2023	Mar 2024	Jul 2024	Jul 2024	Sep 2024	N/A			
IEEE Std P802.11bh	A	Randomized and Changing MAC Addresses	TGbh	PDF D0.20	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2021-02-10 [2025-12-31]													
						Predicted	C	Jan 2023	Mar 2023	Mar 2023	Feb 2023	May 2023	Jul 2023	Sep 2023	Nov 2023	Dec 2023	N/A			
IEEE Std P802.11bf	A	WLAN Sensing	TGbf	PDF D0.50	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2020-09-25 [2024-12-31]													
						Predicted	C	Jan 2023	Jul 2023	Oct 2023	Jul 2024	Mar 2024	Jul 2024	Jan 2025	Mar 2025	Mar 2025	N/A			
IEEE Std P802.11be	A	Extremely High Throughput	TGbe	PDF D2.30	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2019-03-21 [2023-12-31]	D2.0	2022-07-04	64%										
						Predicted	C	C	Jan 2023	Mar 2023	Mar 2023	May 2023	Nov 2023	Mar 2024	Mar 2024	May 2024	N/A			
IEEE Std P802.11bd	A	Enhancements for Next Generation V2X	TGbd	PDF D8.00	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2018-12-05 [2022-12-31]	D1.0 D2.0 D3.0 D4.0	2020-11-18 2021-08-01 2021-12-16 2022-03-30	82% 88% 94% 99%	2021-12-02	2022-03-01	D4.0 D5.0 D6.0 D7.0 D8.0	2022-05-09 2022-07-05 2022-08-30 2022-09-30 2022-10-14	92% 93% 95% 97% 97%	2022-09-16	2022-10-04			
						Predicted	C	C	C	C	C	C	C	C	C	C	Dec 2022	N/A		
IEEE Std P802.11bc	A	Enhanced Broadcast Service	TGbc	PDF D5.00	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022	Actual	2018-12-05 [2022-12-31]	D1.0 D2.0 D3.0 D4.0	2020-12-20 2021-10-28 2022-04-28 2022-08-25	83% 90% 92% 95%	2022-09-01	2022-07-01	D4.0 D5.0	2022-11-04 2023-01-13	92% 97%					
						Predicted	C	C	C	C	C	C	C	C	C	Sep 2023	Sep 2023	Dec 2023	N/A	
IEEE Std P802.11bb	A	Light Communications	TGbb	PDF D5.00	802.11-2020 802.11ax-2021 802.11ay-2021	Actual	2018-03-09 [2022-12-31]	D1.0 D2.0 D3.0	2022-01-12 2022-04-22 2022-08-31	87% 94% 95%	2022-03-01	2022-03-01	D4.1 D5.0	2022-11-07 2023-01-14	91% 92%					

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				Session End Snapshot	PAR Approved, Modified, or Extended [Expires]	Draft	Date	Result	Draft	Date	Result								
				Format & Version	Incorporated Baselines	Current Status	Predicted Initial	Predicted Recirc	Form SA Ballot Pool / Reform	MEC / MDR Done	Predicted Initial	Predicted Recirc	Final 802.11 WG Approval				Final or Conditional 802 EC Approval		
IEEE Std P802.11az	A	Next Generation Positioning	TGaz	PDF D7.00	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021 802.11-2020/Cor1-2022 802.11me	Actual	2015-09-03 [2023-12-31]	D1.0 D2.0 D3.0 D4.0	2019-03-09 2020-01-03 2021-02-10 2021-09-07 2021-10-01	79% 87% 88% 95% 98%	2021-08-01	2021-07-01	D4.0 D5.0 D6.0 D7.0	2021-11-05 2022-06-09 2022-09-07 2022-09-29	93% 94% 99% 100%	2022-09-16	2022-10-04		
					Predicted	C	C	C	C	C	C	C	C	C	C	Dec 2022	N/A		

PUBLISHED - Standards, Amendments, and Recommended Practices

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				Format & Version	Incorporated Baselines	Current Status	Predicted Initial	Predicted Recirc	Form SA Ballot Pool / Reform	MEC / MDR Done	Predicted Initial	Predicted Recirc	Final 802.11 WG Approval				Final or Conditional 802 EC Approval			
IEEE Std P802.11-2020/Cor1-2022	COR	Correct 802.11ay Assignment of Protected Announce Support Bit	WG Tech Ed	PDF D2.10	802.11-2020 802.11ax-2021 802.11ay-2021 802.11ba-2021	Actual	2022-02-23 [2026-12-31]	D1.0 D2.1	2022-04-14 2022-06-01	99% 100%	2022-05-01	2022-06-01	D2.1	2022-07-08	100%	2022-07-01	2022-07-01	2022-09-21		2022-12-27
IEEE Std P802.11ba-2021	A	Wake Up Radio	TGba	PDF D8.00	802.11-2020 802.11ax-2021 802.11ay-2021	Actual	2016-12-07 [2020-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2018-10-24 2019-03-03 2019-06-18 2019-10-15 2019-12-17 2020-02-01	72% 82% 84% 90% 96% 99%	2019-08-01	2019-11-01	D6.0 D7.0 D8.0	2020-03-18 2020-10-01 2020-12-21	91% 95% 98%	2020-11-01	2020-11-01	2021-03-01		2021-10-08
IEEE Std P802.11ay-2021	A	Next Generation 60GHz	TGay	PDF D7.00	802.11-2020 802.11ax-2021	Actual	2015-03-26 [2021-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2018-01-07 2018-08-31 2019-02-28 2019-07-08 2019-11-08	74% 93% 93% 98% 99%	2019-06-01	2019-07-16	D5.0 D6.0 D7.0	2020-01-09 2020-09-29 2020-12-20	89% 92% 98%	2020-11-01	2020-11-01	2021-03-01		2021-07-28
IEEE Std P802.11ax-2021	A	High Efficiency WLAN	TGax	PDF D8.00	802.11-2020	Actual	2014-03-27 [2020-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2017-01-08 2017-11-04 2018-07-01 2019-02-25 2019-10-24 2019-12-11	58% 63% 87% 92% 94% 97%	2019-09-01	2019-05-01	D6.0 D7.0 D8.0	2020-01-24 2020-09-17 2020-11-27	82% 88% 95%	2020-09-01	2020-11-01	2021-02-01		2021-05-19
IEEE Std P802.11-2020	STD	802.11 Accumulated Maintenance Changes	TGmd	PDF D5.00	802.11a-2016 802.11ah-2016 802.11aj-2018 802.11ak-2018 802.11aq-2018	Actual	2017-03-23 [2021-12-31]	D1.0 D2.0 D3.0	2018-03-17 2019-01-10 2019-10-30	85% 93% 96%	2019-09-01	2019-05-01	D3.0 D4.0 D5.0	2019-12-15 2020-09-04 2020-10-04	83% 91% 97%	2020-09-01	2020-10-01	2020-12-01		2021-02-26

SUPERSEDED OR WITHDRAWN - Standards, Amendments, and Recommended Practices

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				Format & Version	Incorporated Baselines	Current Status	Predicted Initial	Predicted Recirc	Form SA Ballot Pool / Reform	MEC / MDR Done	Predicted Initial	Predicted Recirc	Final 802.11 WG Approval				Final or Conditional 802 EC Approval			
IEEE Std P802.11aq-2018	A	Pre-Association Discovery	TGaq	PDF D14.00	802.11-2016 802.11ah-2016 802.11aj-2018 802.11ak-2018	Actual	2012-12-05 [2018-12-31]	D1.0 D3.0 D4.0 D5.0 D6.0 D7.0	2015-03-04 2015-11-07 2016-04-21 2016-07-19 2016-08-19 2016-09-25	73% 93% 93% 93% 96% 97%	2016-08-01	2016-06-01	D7.0 D8.0 D9.0 D10.0 D12.0 D13.0 D14.0 D14.0	2016-11-04 2017-03-18 2017-06-23 2017-07-29 2017-10-01 2017-10-30 2018-01-04 2018-01-31	88% 91% 94% 98% 97% 97% 98% 99%	2018-03-07	2018-03-09	2018-06-14		2018-08-31
IEEE Std P802.11ah-2018	A	General Link	TGak	PDF D6.00	802.11-2016 802.11ah-2016 802.11aj-2018 802.11ak-2018	Actual	2012-12-05 [2018-12-31]	D1.0 D2.0 D3.0 D4.0	2015-05-06 2016-03-10 2017-01-10 2017-03-30	85% 91% 94% 95%	2016-11-01	2016-11-01	D4.0 D5.0 D6.0	2017-05-11 2017-11-09 2018-01-01	90% 93% 97%	2018-01-19	2018-01-31	2018-03-08		2018-06-14
IEEE Std P802.11aj-2018	A	China Millimeter Wave	TGaj	PDF D9.00	802.11-2016 802.11ah-2016 802.11aj-2018	Actual	2012-08-01 [2018-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2016-01-20 2016-06-30 2016-08-30 2016-12-21 2017-03-04	88% 89% 89% 92% 95%	2017-01-01	2016-11-01	D6.0 D7.0 D8.0 D9.0 D14.0	2017-06-25 2017-08-04 2017-08-24 2017-12-17 2018-01-04	98% 100% 100% 100% 98%	2017-11-10	2017-11-10	2018-01-24		2018-04-18
IEEE Std P802.11-2016	STD	802.11 Accumulated Maintenance Changes	TGmc	PDF D8.00	802.11-2012 802.11ae-2012 802.11ad-2012 802.11ac-2013 802.11af-2013	Actual	2012-08-30 [2016-12-31]	D1.0 D2.0 D3.0 D4.0 D4.0	2013-03-02 2013-10-23 2014-06-23 2015-02-17 2015-03-26	88% 90% 90% 94% 96%	2014-09-01	2014-07-01	D4.0 D5.0 D6.0 D7.0 D8.0	2015-04-26 2016-01-26 2016-06-30 2016-08-20 2016-09-08	88% 90% 93% 94% 97%	2016-09-01	2016-10-01	2016-12-07		2017-12-31
IEEE Std P802.11ah-2016	A	Sub 1 GHz	TGah	PDF D10.00	802.11-2016 802.11ah-2016	Actual	2010-10-04 [2016-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2013-11-04 2014-07-05 2014-10-25 2015-02-14 2015-04-16 2015-10-03	73% 83% 90% 93% 93% 98%	2015-04-01	2016-02-01	D5.0 D6.0 D7.0 D8.0 D9.0 D10.0	2015-11-05 2016-03-02 2016-04-14 2016-05-17 2016-09-09 2016-09-30	91% 91% 92% 95% 95% 96%	2016-09-01	2016-10-01	2016-12-07		2017-05-10
IEEE Std P802.11ai-2016	A	Fast Initial Link Setup	TGai	PDF D11.00	802.11-2016	Actual	2010-12-08 [2016-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2013-08-12 2014-05-07 2014-10-14 2015-02-24 2015-06-26 2015-07-31	74% 85% 88% 94% 92% 97%	2015-03-01	2014-11-01	D6.0 D7.0 D8.0 D9.0 D11.0	2015-09-15 2016-03-30 2016-07-13 2016-08-06 2016-09-09 2016-09-30	90% 89% 93% 95% 97% 95%	2016-09-01	2016-10-01	2016-12-07		2016-12-31
IEEE Std P802.11af-2013	A	TV White Spaces	TGaf	PDF D6.00	802.11-2012 802.11ae-2012 802.11ad-2012 802.11ac-2013	Actual	2009-12-09 [2013-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2011-02-24 2012-08-19 2013-02-08 2013-04-17 2013-06-14 2013-08-01	62% 73% 87% 92% 94% 99%	2013-06-01	2013-11-01	D5.0 D6.0 D6.0	2013-09-11 2013-10-19 2013-10-30	97% 99% 99%	2013-11-01	2013-11-01	2013-12-11		2014-02-21
IEEE Std P802.11ac-2013	A	Very High Throughput 6GHz	TGac	PDF D7.00	802.11-2012 802.11ae-2012 802.11ad-2012	Actual	2008-09-26 [2012-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2011-06-25 2012-02-18 2012-06-25 2012-11-01 2013-02-01 2013-04-04	74% 89% 91% 94% 95% 96%	2013-01-01	2013-01-01	D5.0 D6.0 D7.0	2013-05-05 2013-08-03 2013-10-23	93% 97% 99%	2013-11-01	2013-11-01	2013-12-09		2013-12-18
IEEE Std P802.11ad-2012	A	Very High Throughput 60GHz	TGad	PDF D9.00	802.11-2012 802.11ae-2012 802.11ad-2012	Actual	2008-12-10 [2012-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0	2010-10-24 2011-04-05 2011-06-01 2011-08-09 2011-10-06 2011-11-24	87% 88% 92% 95% 94% 95%	2011-09-01	2011-07-01	D5.0 D6.0 D7.0 D8.0 D9.0	2012-01-05 2012-03-30 2012-05-11 2012-06-16 2012-07-28 2012-08-12	86% 90% 95% 97% 98% 98%	2012-07-01	2012-07-01	2012-10-23		2012-12-28
IEEE Std P802.11-2012	A	Video	TG	Word / PDF	802.11-2012	Actual	2008-03-27	D1.0 D2.0 D3.0	2010-07-10 2010-12-08 2011-02-24	78% 79% 81%	2010-03-01	2010-03-01	D6.0 D7.0	2011-10-12 2011-11-26	93% 96%	2010-03-01	2010-03-01	2010-03-01		2010-05-08

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2012																		
IEEE Std P802.11-2012	STD	802.11 Accumulated Maintenance Changes	TGmb	Frame / PDF D9.01	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010 802.11z-2010 802.11-2011 802.11s-2011	Actual	2007-03-22 [2011-12-31]	D3.0 D4.0 D5.0	2011-04-26 2011-06-18 2011-08-04	89% 96% 96%							2012-03-29	
IEEE Std P802.11s-2011	A	Mesh Networking	TGs	PDF	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010 802.11z-2010 802.11-2011 802.11s-2011	Actual	2004-05-13 [2010-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0	2007-01-06 2008-05-03 2009-05-04 2010-01-08 2010-04-15 2010-06-28 2010-08-13	48% 61% 79% 85% 89% 89% 95%							2012-03-01	
IEEE Std P802.11p-2011	A	InterWorking with External Networks	TGu	Frame / PDF D13.00	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010 802.11z-2010 802.11-2011 802.11s-2011	Actual	2004-12-08 (02/05/2009) [2010-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0 D8.0	2007-07-08 2008-03-15 2008-07-12 2008-10-08 2009-02-20 2009-04-24 2009-06-19 2009-08-18	64% 70% 77% 78% 82% 90% 88% 93%								2012-03-01
IEEE Std P802.11-2011	A	Wireless Network Management	TGv	Frame / PDF D16.00	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010 802.11z-2010	Actual	2004-12-08 [2010-12-31]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0	2007-08-30 2008-03-15 2008-07-13 2008-10-08 2009-04-04 2009-06-12 2009-08-07	63% 67% 69% 74% 83% 90% 92%								2012-03-01
IEEE Std P802.11z-2010	A	Extensions to Direct Link Setup	TGz	Word / PDF D13.00	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010 802.11z-2010	Actual	2007-08-22	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2008-05-03 2008-08-20 2008-12-18 2009-03-05 2009-06-23 2009-08-26	64% 66% 84% 89% 92% 96%								2012-03-01
IEEE Std P802.11p-2010	A	Wireless Access for the Vehicular Environment	TGp	N/A	802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11n-2009 802.11p-2010	Actual	2004-09-23	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0 D8.0 D9.0	2006-04-11 2007-01-05 2007-09-12 2008-05-03 2008-12-05 2009-03-31 2009-06-13 2009-08-05 2009-10-10	59% 67% 74% 79% 85% 89% 85% 89% 93%								2012-03-01
IEEE Std P802.11w-2009	A	Protected Management Frames	TGw	N/A	802.11-2007 802.11k-2008 802.11-2008 802.11-2008	Actual	2005-03-20	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2006-11-19 2007-05-02 2007-10-19 2008-01-05 2008-02-20 2008-04-18	86% 89% 92% 92% 95% 97%								2012-03-01
IEEE Std P802.11n-2009	A	High Throughput	TGn		802.11-2007 802.11k-2008 802.11-2008 802.11-2008 802.11p-2009	Actual	2003-09-11 [2007-09-27]	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0	2006-04-29 2007-03-09 2007-10-27 2008-04-12 2008-06-12 2008-08-05 2008-09-30 2008-12-02	47% 83% 85% 88% 90% 91% 94% 95%								2012-03-01
IEEE Std P802.11y-2008	A	3650-3700 MHz Operation in USA	TGy	N/A	802.11-2007 802.11k-2008 802.11-2008	Actual	2006-03-16	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2007-01-07 2007-05-05 2007-08-20 2007-08-21 2007-10-13 2007-12-08	76% 84% 91% 94% 96% 99%								2012-03-01
IEEE Std P802.11r-2008	A	Fast Roaming	TGr	N/A	802.11-2007 802.11k-2008	Actual	2006-05-25	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0	2006-01-04 2006-04-04 2006-10-14 2006-12-04 2007-04-04 2007-06-13	81% 88% 86% 92% 95% 97%								2012-03-01
IEEE Std P802.11k-2008	A	Radio Resource Measurement	TGk	N/A	802.11-2007	Actual	2002-12-11	D1.0 D2.0 D3.0 D4.0 D5.0 D6.0 D7.0	2007-09-11 2008-01-05 2004-09-11 2005-03-15 2005-11-12 2006-03-31 2006-09-16 2006-11-16 2007-02-13 2007-05-05	90% 100% 95% 86% 80% 81% 85% 91% 92% 93%								2012-03-01
IEEE Std P802.11-2007	STD	802.11 Standard Maintenance Revision	TGma	N/A	802.11-1999 802.11c 802.11a-1999 802.11b-1999 802.11b Cor1-2001 802.11d-2001 802.11g-2003 802.11n-2003 802.11-2004 802.11j-2004 802.11e-2005	Actual	2003-03-20 [2003-03-20]	D1.0 D2.0 D3.0 D4.0	2005-05-08 2005-07-17 2005-08-19 2005-09-19	91% 94% 95% 96%								2012-03-01
IEEE Std P802.11.2	RP	Wireless Performance	TGt			Actual	2008-12-31	D1.0	2007-05-16	76%							2008-05-14	
IEEE Std P802.11e-2005	A	MAC Enhancements QoS	TGe	N/A	802.11-1999 802.11c 802.11a-1999 802.11b-1999 802.11d-2001 802.11g-2003 802.11n-2003 802.11-2004 802.11j-2004	Actual	2000-03-30	D4.0 D5.0 D6.0 D7.0 D8.0	2001-05-15 2002-01-16 2002-07-02 2003-01-08 2003-08-22 2003-12-20 2004-02-15 2004-03-10	0% 55% 49% 83% 97% 99% 93% 94%								2007-03-08
IEEE Std P802.11j-2004	A	4.9 GHz-5 GHz Operation in Japan	TGj	N/A	802.11-1999 802.11c 802.11a-1999 802.11b-1999 802.11b Cor1-2001 802.11d-2001 802.11g-2003 802.11n-2003 802.11-2004	Actual	2002-12-11	D1.0 D1.2 D1.3 D1.4	2003-05-12 2004-01-14 2004-02-15 2004-04-20	68% 89% 94% 95%								2007-03-08
IEEE Std P802.11i-2005	A	MAC Security	TGi	N/A	802.11-1999 802.11c 802.11a-1999 802.11b-1999 802.11b Cor1-2001	Actual	2005-05-20	D3.0 D4.0	2002-05-04 2003-01-12 2003-06-06	77% 76% 78%								2007-03-08

