U.S. Department of Energy: Record of Non-Government Standards Activity - Bulk Submission

Version 2.5 Status: OK

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Wise Telephone Number.	202-275-4199

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National Renewable Energy Lab

Date (mm/dd/yyyy) of Report: 11/10/2020

Do Not Complete the Cells Below If You Answered T* for Termination of Membership in the Type of Submittal Column

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		Type of Submittal: " for Initial Submittal.				employment Status (Complete One Column Each Row)				Name and/or		Column only f	or Each Row)	
Line No.	Status	'R' for Revision of Information Previously Submitted, or 'T' for Termination of Membership	Last Name of Non-Government Standards Body (NGSB) Participant	First Name of Non-Government Standards Body (NGSB) Participant	Email Address of Non-Government Standards Body (NGSB) Participant	DOE Enter 'D' if Participant is Employed by DOE	Other Specify the Employment Status of Participant	Name of Non- Government Standards Body (NGSB)	Country of Non Government Standards Body (NGSB)	Name of Main Committee	Number of Activity (e.g., committee, sub-committee, working group, task group)	Voting Status: "V" for Voting or "NV" for Nonvoting	DOE Enter 'D' if You are Formally Designated as an Official DOE	Other Specify the Type of Representation Below	ID/Title of Standards Relevant to DOE Mission
1	ok	1	Garrison	Heath	heath.garrison@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 70E Technical Committee	Technical Committee	٧	Representative	Voting member, technical expert.	NFPA 70E, Electrical Safety in the Workplace
2	ok	ı	Garrison	Heath	heath.garrison@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 79 Technical Committee	Technical Committee	٧		Voting member, technical expert.	NFPA 79, Electrical Standard for Industrial Machinery
3	ok	I	Taylor	Kiley	kiley.taylor@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 70B Technical Committee	Technical Committee	٧		Voting member, technical expert.	NFPA 70B, Recommended Practice for Electrical Equipment Maintenance
4	ok	I I	Foland	Charles	chris.foland@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 70B Technical Committee	Technical Committee	٧		Voting member, technical expert.	NFPA 70B, Recommended Practice for Electrical Equipment Maintenance
5	ok	I	Snow	Timothy	timothy.snow@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 791 Technical Committee	Technical Committee	v		Voting member, user.	NFPA 791 Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation
6	ok	ı	Snow	Timothy	timothy.snow@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 70E CESCP Certification Advisory Group	Committee	V		Voting member technical expert	Certified Electrical Compliance Professional
7	ok	ı	Snow	Timothy	timothy.snow@nrel.gov		Full Time	ASTM International	USA	E06.51 on Performance of Buildings	ASTM-E6.51	٧		Voting member technical expert	Performance of Buildings
8	ok	ı	Snow	Timothy	timothy.snow@nrel.gov		Full Time	ASTM International	USA	E06.22 on Durability Performance of Bulding Constructions	ASTM-E6.22	٧		Voting member technical expert	Durability of Building Constructions
9	ok	1	Snow	Timothy	timothy.snow@nrel.gov		Full Time	ASTM International	USA	F18 on Electrical Protective Equipment for Workers	ASTM-F18	٧		Voting Member	Electrial Protective Equipment for Workers
10	ok	ı	Taylor	Kiley	kiley.taylor@nrel.gov		Full Time	International Electrical Testing Association	USA	ANSI/NETA Acceptance Testing Standard (ATS)	ANSI/NETA Acceptance Testing Standard (ATS) Ballot Pool	٧		Voting Member	ANSI/NETA Acceptance Testing Standard (ATS)
11	ok	1	Press	Rick	rick.press@nrel.gov		Full Time	American Society for Quality	USA	TAF 176	Technical Committee	V		Voting member, technical expert.	ISO 9001
12	ok	ı	Tuchi	Craig	Craig.tuchi@nrel.gov		Full Time	ASME	USA	Thermal Energy Storage Standards	Committee	NV		Nonvoting Technical Expert	ASME TES-1-2020: TES-1 Safety Standard for Thermal Energy Storage Systems: Molten Salt
13	ok	1	McNutt	Peter	peter.mcnutt@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 855 Technical Committee	Technical Committee	NV		non-voting member	NFPA 855 Standard for the Installation of Stationary Energy Storage Systems
14	ok	ı	Kirschbaum	Asher	Asher.Kirschbaum@nrel		Full Time	National Fire Protection Association	USA	NFPA 855 Technical Committee	Technical Committee	NV		non-voting member	NFPA 855 Standard for the Installation of Stationary Energy Storage Systems
15	ok	ı	Day	Mike	michael.day@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 855 Technical Committee	Technical Committee	NV		non-voting member	NFPA 855 Standard for the Installation of Stationary Energy Storage Systems
16	ok	ı	Lackey	Denise	denise.lackey@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 855 Technical Committee	Technical Committee	NV		non-voting member	NFPA 855 Standard for the Installation of Stationary Energy Storage Systems
17	ok	ı	Mather	Barry	barry.mather@nrel.gov		Full Time	IEEE	USA	IEEE Energy Development and Power Generation	Working Group	٧		Voting member, technical expert.	IEEE P2800 Wind and Solar Plant Interconnection Performance
18	ok	I	Kroposki	Benjamin	benjamin.kroposki@nrel 		Full Time	IEEE	USA	SCC21	Technical Committee	٧		Voting member, technical expert.	IEEE - 1547. IEEE 1547.1, IEEE 1547.2, IEEE 1547.3, IEEE 1547.4, IEEE 2030, IEEE 2030.2, IEEE 2030.7, IEEE 2030.8
19	ok	I .	Lundstrom	Blake	blake.lundstrom@nrel.g ov		Full Time	IEEE	USA	IEEE P2004 Working Group	IEEE P2004	V		Secretary, voting member, technical expert.	(HIL) Simulation Based Testing of Electric Power Apparatus and Controls
20	ok	1	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	IEEE	USA	Standards Coordinating Committee 21	Coordinating Committee	v		Voting member, technical expert.	IEEE 1547, IEEE 1547.1
21	ok	I .	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	IEEE	USA	IEEE P2800	Working Group	V		Voting member, technical expert.	IEEE P2800
22	ok	l I	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	IEEE	USA	IEEE 1547	Working Group	٧		Voting member, technical expert.	IEEE 1547
23	ok	ı	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	IEEE	USA	IEEE 1547.1	Working Group	٧		Working Group Chair, Voting member, technical expert.	IEEE 1547.1
24	ok	1	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	IEEE	USA	IEEE P2800.1	Working Group	V		Voting member, technical expert.	IEEE P2800.1
25	ok	1	Hoke	Anderson	andy.hoke@nrel.gov		Full Time	Underwriters Laboratories	USA	Standards Technical Panel	UL 1741	V		Voting member, technical expert.	UL 1741
26	ok	ı	Florita	Anthony	anthony.florita@nrel.gov		Full Time	Society of Cable Telecommunicati ons Engineers (SCTE)	USA	Operation Subcommittee, Working Group 4, HFC	Participant	NV		NREL	SCTE open standard / complement to IEEE C37.118.1-2011 is in progress
27	ok	I	Narang	David	David.Narang@nrel.gov		Full Time	IEEE	USA	IEEE Standards Coordinating Committee 21 on Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage	IEEE Std 1547	v		Working Group Chair	IEEE Standard for Interconnection and Interoperability of Distributed Energy, Resources with Associated Electric Power Systems Interfaces
28	ok	ı	Narang	David	David.Narang@nrel.gov		Full Time	IEEE	USA	IEEE Energy Development and Power Generation Committee	IEEE P2800	٧		Voting member, technical expert.	Draft Standard for Interconnection and Interoperability of Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems
29	ok	I .	Walker	Andy	andy.walker@nrel.gov		Full Time	National Fire Protection Association	USA	NFPA 70B Technical Committee	Technical Committee	NV		Contributed Text	NFPA 70B Recommended Practice for Electrical Equipment Maintenance Chapter 26 Photovoltaic Systems
30	ok	I	Walker	Andy	andy.walker@nrel.gov		Full Time	International Electrotechnical Commission	USA	IEC Technical Committee	Technical Committee	٧		Voting member, technical expert.	IEC/TS 63019 Ed. 1.0 en:2019 Photovoltaic Power Systems (PVPS) – Information Model For Availability (TS=Technical Specification). Published and available for purchase from IEC/
31	ok	ı	Walker	Andy	andy.walker@nrel.gov		Full Time	International Electrotechnical Commission	USA	IEC Technical Committee	Technical Committee	٧		Voting member, technical expert.	IEC TR 63292:2020 Photovoltaic power systems (PVPSs) - Roadmap for robust reliability (TR=Technical Report) Issued July 2020.

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The cens below	provide an explanati	on or issues in the da	ta entry section	Employment Status (Co	mplete One Column only		in y section		data entry section
Time of Suhmitted	Last Name of Non-Government	First Name of Non-Government	Email Address of Non-Government	for Eac	h Row) Other	Name of Non- Government	Country of Non- Government	Name of Main	Name and/or Number of Activity
Type of Submittal Status	of Non-Government Standards Body (NGSB) Participant Status	of Non-Government Standards Body (NGSB) Participant Status	Standards Body (NGSB) Participant Status	Enter 'D' if Participant is Employed by DOE Status	Specify the Employment Status of Participant Status	Standards Body (NGSB) Status	Standards Body (NGSB) Status	Committee Status	(e.g., committee, sub-committee, working group, task group) Status
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Line No.	Status	'R' for Revision of Information Previously Submitted, or 'T' for Termination of Membership	Last Name of Non-Government Standards Body (NGSB) Participant	First Name of Non-Government Standards Body (NGSB) Participant	Email Address of Non-Government Standards Body (NGSB) Participant	DOE Enter 'D' if Participant is Employed by DOE	Other Specify the Employment Status of Participant	Name of Non- Government Standards Body (NGSB)	Country of Non- Government Standards Body (NGSB)	Name of Main Committee	Number of Activity (e.g., committee, sub-committee, working group, task group)	Voting Status: "V" for Voting or "NV" for Nonvoting	DOE Enter 'D' if You are Formally Designated as an Official DOE	Other Specify the Type of Representation Below	ID/Title of Standards Relevant to DOE Mission
32	ok	I	Walker	Andy	andy.walker@nrel.gov		Full Time	International Electrotechnical Commission	USA	IEC Technical Committee	Technical Committee	٧		Voting member, technical expert.	IEC CD 63265:2020 Reliability Practices for the Operation of Photovoltaic Power Systems (CD=Draft for Committee Vote) Draft for committee vote.
33	ok	I	Touhiduzzaman	Md	md.touhiduzzaman@nre I.gov		Full Time	IEEE	USA	1547.3- Cybersecurity of Distributed Energy Resources (DER)	Technical Committee	NV		Technical expert	Guide for Interoperability and Cybersecurity of Distributed Energy Resources Interfaces with Associated Electric Power Systems
34	ok	1	Saleem	Danish	danish.saleem@nrel.gov		Full Time	IEEE	USA	IEEE 1547.3	Working Group	v		Voting member, technical expert.	Cybersecurity Guide for Distributed Energy Resources Interconnected with Electric Power Systems
35	ok	I	Markel	Tony	tony.markel@nrel.gov		Full Time	IEEE	USA	IEEE P2418.5	Working Group	NV		Technical Expert	IEEE P2418.5 Working Group (Blockchain in Energy)
36	ok	I	Karagiozis	Achilles	achilles.karagiozis@nrel .gov		Full Time	ASHRAE	USA	SPC 160 Criteria for Moisture- Control Design Analysis in Buildings	Chair of ASHRAE SPC160	٧		Subcommitee Chair	Criteria for Moisture-Control Design Analysis in Buildings
37	ok	I	Karagiozis	Achilles	achilles.karagiozis@nrel		Full Time	ASHRAE	USA	Building Materials and Building Envelope Performance	ASHRAE TC 4.4	NV		Committee	N/A
38	ok	I	Karagiozis	Achilles	achilles.karagiozis@nrel .gov		Full Time	ASHRAE Residential	USA	Passive Building Design Standard Standards	ASHRAE SPC 227P	V		Committee	Passive Building Standard ANSI/RESNET/ICC Standard 301
39	ok	I	Roberts	David	david.roberts@nrel.gov		Full Time	Energy Services Network	USA	Development Committee 300 Section 4.0 Load	Technical Committee	V		Voting member, technical expert.	ANSI/RESNET/ACCA Standard 310 ANSI/RESNET/ICC Standard 380
40	ok	I	Fontanini	Anthony	anthony.fontanini@nrel. gov anthony.fontanini@nrel.		Full Time	ASHRAE	USA	Calculations and Energy Requirements Section 1.0	TC 4.7 Energy Calculations	NV		Subcommitee Chair	N/A
41	ok	I.	Fontanini	Anthony	anthony.tontanini@nrei.		Full Time	ASHRAE	USA	Fundamentals and General	TC 1.5 Computer Applications	NV		Subcommitee Chair	N/A
42	ok	I	Spam	Bethany	bethany.sparn@nrel.gov		Full Time	AHRI	USA	1430 Working Group Section 4.0 Load	N/A TC 4.10 Indoor	NV		Technical expert	AHRI 1430 Standard for Demand Response for Electric Water Heaters
43	ok	1	Meleika	Sam	sammy.meleika@nrel.go V sammy.meleika@nrel.go		Full Time	ASHRAE	USA	Calculations and Energy Requirements Section 5.0	Environmental Modeling	NV		Technical expert	N/A
44	ok	I	Meleika	Sam	<u>v</u>		Full Time	ASHRAE	USA	Ventilation and Air Distribtution Section 5.0	TC 5.1 Fans	NV		Technical expert	N/A
45	ok	1	Meleika	Sam	sammy.meleika@nrel.go ⊻		Full Time	ASHRAE	USA	Ventilation and Air Distributtion	TC 5.10 Kitchen Ventilation	NV		Technical expert	N/A
46	ok	I	Jin	Xin	xin.jin@nrel.gov		Full Time	ASHRAE	USA	Section 7.0 Building Performance	TC 7.5 Smart Building Systems	NV		Technical expert	N/A
47	ok	1	Jin	Xin	xin.jin@nrel.gov		Full Time	ASHRAE	USA	Section 1.0 Fundamentals and General	TC1.4 Control Theory & Application	NV		Technical expert	N/A
48	ok	I	Jin	Xin	xin.jin@nrel.gov		Full Time	IEEE Power & Energy Society	USA	Smart Buildings Data and	Customer Systems TC	NV		Technical expert	N/A
49	ok	I	Merket	Noel	noel.merket@nrel.gov		Full Time	Building Performance Institute	USA	Modeling Standard Technical Committee	HPXML Working Group	V		Voting member, technical expert.	BPI-2100 Standard for Home Performance-Related Data Transfer
50	ok	I	Reyna	Janet	janet.reyna@nrel.gov		Full Time	International Energy Agency	France	Energy Buildings and Communities	Annex 70 Building Energy Epidemiology Annex 82 Energy	NV	D		Subtask C: Building Stock Modelling and Analysis
51	ok	ı	Reyna	Janet	janet.reyna@nrel.gov		Full Time	International Energy Agency	France	Energy Buildings and Communities Section 8.0 Air-	Flexible Buildings Towards Resilient Low-Carbon Systems	NV	D		Subtask A: Scaling from Single Buildings to Clusters of Buildings
52	ok	ı	Winkler	Jon	jon.winkler@nrel.gov		Full Time	ASHRAE	USA	Conditioning and Refrigeration System Components Section 6.0	TC 8.11 - Unitary and Room air Conditioners & Heat Pumps	NV		Technical expert	N/A
53	ok	ı	Winkler	Jon	jon.winkler@nrel.gov		Full Time	ASHRAE	USA	Heating Equipment, Heating and Cooling Systems and Applications	TC 6.3 – Central Forced Air Heating and Cooling Systems	NV		Technical expert	N/A
54	ok	Ţ	Winkler	Jon	jon.winkler@nrel.gov		Full Time	Residential Energy Services Network	USA	Standards Development Committee 300	HVAC Working Group	NV		Technical expert	ANSI/RESNET/ICC Standard 301 ANSI/RESNET/ACCA Standard 310 ANSI/RESNET/ICC Standard 380
55	ok	ı	Deru	Michael	michael.deru@nrel.gov		Full Time	ASHRAE	USA	SPC 105	Technical Committee	٧		Voting member, technical expert.	ASHRAE Std 105 Standard Methods of Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas
56	ok	ı	Dahlhausen	Matthew	matthew.dahlhausen@n rel.gov		Full Time	ASHRAE	USA	SPC 229P	Technical Committee	v		Voting member, technical expert.	Emissions ASHRAE Std. 229 (forthcoming), Ruleset Standard for Energy Modeling
57	ok	ı	Torcellini	Paul	paul.torcellini@nrel.gov		Full Time	ASHRAE	USA	SPC 228P	Technical Committee	٧		Voting member, technical expert.	Compliance ASHRAE Std 228P Standard Method of Evaluating Zero Net Energy and Zero
58	ok	Į.	Long	Nicholas	Nicholas.Long@nrel.gov		Full Time	ASHRAE	USA	Standard 211 - Commercial Building Energy	Standard 211 - Commercial Building Energy Audits	v		Technical expert	Net Carbon Building Performance N/A
59	ok	ı	Mosiman	Cory	Cory.Mosiman@nrel.go ⊻		Full Time	ASHRAE	USA	Audits ASHRAE Standard 223P for semantic tagging of	ANSI/ASHRAE Standards 135 and 135.1	NV		Technical expert	N/A
60	ok	I	Parker	Andrew	Andrew.Parker@nrel.go		Full time	ASHRAE	USA	Modeling Software	SPC 229 - Protocols for Evaluating Ruleset Implementation in Building Performance Modeling Software	NV		Technical expert	N/A
61	ok	1	Bianchi	Marcus	marcus.bianchi@nrel.go ⊻		Full Time	ASHRAE	USA	Technical Committee 4.4 - Building Materials and Building Envelope Performance	Technical Committee	NV		Chair, Research Technical Subcommittee	ASHRAE SSPC 90.1, ASHRAE SSPC 90.2
62	ok	ı	Bianchi	Marcus	marcus.bianchi@nrel.go		Full Time	ASHRAE	USA	Technical Committee 1.8 - Mechanical Systems Insulation	Technical Committee	NV		Non-voting member	ASHRAE SSPC 90.1, ASHRAE SSPC 90.2
63	ok	I	Bianchi	Marcus	marcus bianchi@nrel.go ⊻		Full Time	ASHRAE	USA	Technical Committee 1.12 -	Technical Committee	NV		Non-voting member	ASHRAE SSPC 90.1, ASHRAE SSPC 90.2

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64	ok	ı	James	Nelson	nelson.james@nrel.gov		Full Time	ASHRAE	United States	American Society of Heating, Refrigerating and Air-Conditioning Engineers	ASHRAE	NV		NON-Voting Member	None
65	ok	l l	Kishore	Ravi	ravi.kishore@nrel.gov		Full Time	American Society of Mechanical Engineers	USA	ASME Member 1- 2 Years After Graduation	Member	NV		none	none
66	ok	1	Woods	Jason	jason.woods@nrel.gov		Full Time	ASHRAE	USA	TC 6.9	Technical Committee	NV		Non-voting member	ANSI/ASHRAE Standard 150; ANSI/AHRI 900
67 68	ok ok		Woods Woods	Jason Jason	jason.woods@nrel.gov jason.woods@nrel.gov		Full Time Full Time	ASHRAE ASHRAE	USA		Technical Committee Technical Committee			Non-voting member Non-voting member	AHRI 920 ASHRAE SPC 204
69	ok	ı	Booten	Chuck	chuck.booten@nreLgov		Full Time	ASHRAE	USA	TC 6.9 Thermal Storage	Technical Committee	NV		Voting member, technical expert.	ASHRAE Std.94.2: Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance Std.150: Method of Testing the Performance of Cool Storage Systems
70	ok	ı	Wheeler	Grant	Grant.wheeler@nrel.gov		Full Time	ASHRAE	USA	Room air Conditioners &	Technical Committee	NV		technical expert. Program lead	ASHRAE Standard 37/116
71	ok	ı	Kozubal	Eric	eric.kozubal@nrel.gov		Full Time	ASHRAE	USA	Technical Committee 8.12 / 8.10	Technical Committee	NV		technical expert	ASHRAE / ANSI Std 139 and 174
72	ok	- 1	Haile	Selam	selam.haile@nrel.gov		Full Time	ASHRAE	USA	ASHRAE 223P	Semantic Interoperability Working Group	NV		Technical expert	ASHRAE Standard 223P
73	ok	- 1	Saha	Avijit	avijit.saha@nrel.gov		Full Time	ASHRAE	USA	ASHRAE 223P	Semantic Interoperability Working Group	NV		Technical expert	ASHRAE Standard 223P
74	ok	ı	Barker	Aaron	aaron.barker@nrel.gov		Full Time	International Electrotechnical Comission	Switzerland	TC 114 - Marine energy - Wave, tidal and other water current converters	Technical committee	v		Voting member, convener, technical expert.	IEC TC114 62600-101 Wave energy resource assessment and characterization
75	ok	ı	Jonkman	Jason	jason.jonkman@nrel.gov		Full Time	American National Standards Institute	USA	AWEA Wind Technical Standards Committee (WSC) TC 88 - Wind	Wind Technical Standards Committee	NV		Technical expert	AWEA Offshore Compliance Recommended Paractices (OCRP) IEC 61400-3-2 - Wind energy
76	ok	1	Jonkman	Jason	jason.jonkman@nrel.gov		Full Time	International Electrotechnical Comission	Switzerland	energy generation systems	Technical committee	v		Voting member, technical expert.	generation systems - Part 3-2: Design requirements for floating offshore wind turbines
77	ok	ı	Keller	Jon	Jonathan Keller@nrel.go		Full Time	International Electrotechnical	Switzerland	TC 88 - Wind energy generation	Technical committee	٧		Voting member, technical expert.	IEC 61400-4 ED2 - Wind energy generation systems - Part 4: Design requirements for wind turbine
78	ok	ı	Keller	Jon	Jonathan.Keller@nrel.go ⊻		Full Time	International Electrotechnical Comission - Renewable Energy	Switzerland	systems IEC Systemfor Certification to Standards relating to Equipment for use in Renewable Energy applications (IECRE System)	Technical committee	V		Voting member, technical expert.	oearboxes OD-501-2 - Conformity assessment and certification of Gearbox by RECB
79	ok	1	van Dam	Jeroen	jeroen.van.dam@nrel.go ⊻		Full Time	IEC	International/ Switzerland	TC 88 Wind Energy Generation Systems	MT 2	NV		Technical expert.	IEC 61400-2 Wind turbines - Part 2: Small wind turbine
80	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.go ¥		Full Time	IEC	International/ Switzerland	TC 88 Wind Energy Generation Systems	MT 13	NV		Technical expert.	IEC 61400-13 Wind turbines - Part 13: Measurement of mechanical loads
81	ok	1	van Dam	Jeroen	jeroen.van.dam@nrel.go ⊻		Full Time	AWEA	USA	Wind Technical Standards Committee	WTSC	v		Voting member	ANSI/AWEA 61400 series, AWEA SWT-1
82	ok	1	van Dam	Jeroen	jeroen.van.dam@nrel.go ⊻		Full Time	IEC	International/ Switzerland	TC 88 Wind Energy Generation	MT 11	NV		Technical expert.	IEC 61400-11 Wind turbines Part 11: Acoustic noise measurement techniques
83	ok	1	van Dam	Jeroen	jeroen.van.dam@nrel.go ⊻		Full Time	IEC	International/ Switzerland	Systems TC 88 Wind Energy Generation Systems	TC 88	NV		Chair	IEC 61400 series
84	ok	i i	van Dam	Jeroen	jeroen.van.dam@nrel.go ⊻		Full Time	AWEA	USA	Wind Technical Standards Committee	Small wind subcommitee	v		Co-Chair	AWEA SWT-1
85	ok	- 1	Optis	Mike	mike.optis@nrel.gov		Full Time	ANSI/AWEA	USA	ANSI/AWEA TR- 1 Subcommittee	Technical Committee	v		Co-chair, Voting member, technical expert.	AWEA TR1: Wind Farm Power Performance
86	ok	ı	Fields	Michael	michael.fields@nrel.gov		Ful Time	International Electro-technical Committee	USA	IEC TC 88	61400-15	v		Task Secretary, Voting member, technical expert.	IEC 61400-15 "Assessment of Wind Resource, Energy Yield and site suitability input conditions for wind power plants"
87	ok	- 1	Fields	Michael	michael.fields@nrel.gov		Ful Time	ENTR Allianmoe	USA	NA.	Operational Analytics	NV		Technical Expert	ENTR Alliance Open Source Operational Data Analytics Implemenation
88	ok	I	Fields	Michael	michael.fields@nrel.gov		Ful Time	International Energy Agency	USA	Task 43: Wind Energy Digitaliztaion	Work Package 4: Digital Wind Resource Assessment	v		Operating Agent, Technical Expert	Digitral WRA data standard version 0.1
89	ok	I	Huskey	Arlinda	Arlinda.Huskey@nrel.go ⊻		Full Time	International Electrotechnical Commission (IEC)	Switzerland	IEC 61400-12-1 Project Team (PT)	Technical Committee	v		Voting member, technical expert.	IEC 61400-12-1 Power performance testing for wind turbines
90	ok	1	Huskey	Arlinda	Arlinda.Huskey@nrel.go <u>v</u>		Full Time	International Electrotechnical Commission (IEC)	Switzerland	IEC 61400-11-2 Project Team (PT)	Technical Committee	٧		Voting member, technical expert.	IEC 61400-11 Acoustic emissions testing and measurement of acoustic characteristics for wind turbines
91	ok	l l	Hughes	Scott	scott.hughes@nrel.gov		Full Time	International Electrotechnical Commission	Switzerland	IEC 61400-23	Technical Committee	٧		Technical Expert	IEC 61400-23, Full-scale structural testing of rotor blades
92	ok	ı	Berry	Derek	derek.berry@nrel.gov		Full Time	American Wind Energy Association (AWEA)	USA	AWEA Blade Committee	Committee	NV		Participant	Not applicable (no current AWEA standard in process)
93	ok	- 1	Robertson	Amy	amy.robertson@nrel.gov		Full Time	International Electrotechnical Commission	International	IEC TC88 and IECRE	Joint Working Forum on Model Validation	v		Voting member, technical expert.	Joint Working Forum on Model Validation for Wind
94	ok	I	Musial	Walter	walter.musial@nrel.gov		Full Time	AWEA Wind Technical Standards Committee	USA	AWEA Wind Technical Standards Committee	Offshore Wind Subcommittee	NV		Chariman of AWEA Offshore Wind Subcommittee	Maintenance of AWEA OCRP 2012, version 2 Floating Offshore Wind Turbines in U.S. Waters Metocean Data Requirements for U.S. Water Geotechnical Data Requirements for U.S. Waters, Subsea Cables
95	ok	ı	Clark	Caitlyn	caitlyn.clark@nrel.gov		Full Time Postdoc	IEC	International	Technical Committee 114, Marine energy - wave, tidal and other water current converters	Maintenance Team 101, Advisory Group 2	v		Voting member, technical expert.	IEC 62600-101, Wave energy resource assessment and characterization

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96	ok	- I	Clark	Caitlyn	caitlyn.clark@nrel.gov		Full Time Postdoc	IEC	USA	USNC/ANSI	Young and Emerging Professionals Committee	٧		Voting member, technical expert.	Young and Emerging Professionals Committee Framework
97	ok	- I	Clark	Caitlyn	caitlyn.clark@nrel.gov		Full Time Postdoc	IEA	International	TEM 99	Task 11	v		Voting member, technical expert.	Task 11, Work Package 3, Integrated Design of Floating Wind Arrays, Array- Level Failure Risks and Mitigation
98	ok		Preus	Robert	robert.oreus@nrel.gov		Full Time	IEC	International	SC 8B	WG1 WG3	V		technical expert	Decentralized Energy Systems
99	ok	ı	Preus	Robert	robert.preus@nrel.gov		Full Time	AWEA	USA	SWT1	Technical committee	v		technical expert	AWEA/ANSI SWT1 Small wind certification standard
100	ok	ı	Mathison	Steven	<u>steven mathison읍 rrel.g</u> 호V		Full Time	Society of Automotive Engineers	USA	Fuel Cell Standards Committee	Interface Task Force	V		Voting member, Chair of ITF, technical expert.	22601 / Eusling Protocols for Light Duy Gaseous Hydrogen Surface Websides J2601-2; Fueling Protocol for Gaseous Hydrogen Powerd Heavy Duy Hydrogen Powerd Heavy Duy Hydrogen Powerd Housting Tucke 12601-3; Compressed Hydrogen Surface Vehicle Fueling Connection Devices 22700 / Hydrogen Surface Webside to Station Communications Hardware and Software 22719 / Hydrogen Fuel Quality Screening Hydrogen Fuel Quality Screening Test of Chemicals for Fuel Cell Vehicle
101	ok	- 1	Mathison	Steven	steven.mathison@nrel.g ov		Full Time	International Standards Organization	USA	TC 187	US Technical Advisory Group	٧		Voting member, technical expert.	19885 / Gaseous hydrogen Fuelling protocols for hydrogen-fuelled vehicles
102	ok	1	Mathison	Steven	steven.mathison@nrel.g		Full Time	Canada Standards Association	USA	Hydrogen Transportation Technical Committee	HGV 4.3 Technical Sub-Committee	٧		Voting member, Chair of HGV 4.3 TSC technical expert.	HGV 4.3 / Test methods for hydrogen fueling parameter evaluation
103	ok	1	Buttner	William	william.buttner@nrel.gov		Full Time	SAE	USA	SAE Fuel Cell Standards Committee	Technical Committee	v		Expert Support	SAE TIR J3089 Sensors for On-board vehicle applicatosn; SAE J2719 Hydrogen Fuel Quality for Fuel Cell Vehicles
104	ok	l l	Buttner	William	william.buttner@nrel.gov		Full Time	cgs	USA	ANSI / CGA H-5- 2014	Technical Committee	NV		Expert Support	Standard for Bulk Hydrogen Supply Systems (revision of ANSI/CGA H-5- 2014)
105	ok	i	Buttner	William	william.buttner@nrel.gov		Full Time	ISO	ISO	TC197	Technical Committee	NV		Expert Support	ISO TC 197 14687 Hydrogen fuel quality — Product specification
106	ok	ı	Meintz	Andrew	andrew.meintz@nrel.gov		Full Time	Society of Automotive Engineers	USA	G-32 Cyber Physical Systems Security Committee	Working Group	NV		Technical expert	JA7496 Cyber Physical Systems Security Engineering Plan
107	ok	- I	Dahlhausen	Matthew	matthew.dahlhausen@n rel.gov		Full Time	ASHRAE	USA	SPC 229	Technical Committee	٧		Voting member, technical expert.	ASHRAE Std. 229 (forthcoming), Ruleset Standard for Energy Modeling Compliance
108	ok	I	Gonzales	John	john.gonzales@nrel.gov		Full Time	CSA	Canada	NGV	Technical Committee	NV		Technical Expert	NGV 4.4 (breaksway devices for NG dispensing); NGV 4.8 (NGV reflueling station compressor packages); B401 (vehicle maintenance facilities codes); B108 (Natural gas reflueling stations installation code)
109	ok	ı	Moriarty	Kristi	kristi.moriarty@nrel.gov		Full Time	Underwriters Laboratory	USA	UL 25A	UL 25A	NV		Technical Expert	UL 25A Ed. 1 - Standard for Meters for Gasoline and Gasoline/Ethanol Blends with Normial Ethanol Concentrations up to 85 Percent (EO - E85); 25B Meters for Diesel Fuel, Bloidesel Fuel, Diesel/Biodiesel Blends with Normial Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oili

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List of Org	<u>anizations</u>				
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0		If the org	anization of	the PARTI	CIPANTS is
1	Ames Laboratory				
2	Argonne National Laboratory				
3	Brookhaven National Laboratory				
4	DOE-Ames Site Office				
5	DOE-Argonne Site Office				
6	DOE-AU				
7	DOE-Berkeley Site Office				
8	DOE-BPA				
9	DOE-Brookhaven Site Office				
10	DOE-Carlsbad Field Office				
11	DOE-Chicago Ames Group				
12	DOE-Chicago Operations Office				
13	DOE-CTA				
14	DOE-DR				
15	DOE-EA				
16	DOE-EE				
17	DOE-EM				
18	DOE-FE				
19	DOE-FTCP				
20	DOE-GC				
21	DOE-Golden Field Office				
22	DOE-Grand Junction Project Office				
23	DOE-Idaho National Laboratory-NE				
24	DOE-MA				
25	DOE-NA				
26	DOE-NE				
27	DOE-NETL (BPO)				
28	DOE-Oak Ridge Office-EM				
29	DOE-Oak Ridge Office-NE				
30	DOE-Oak Ridge Office-SC				
31	DOE-Office of River Protection				
32	DOE-ORNL Site Office				
33	DOE-Pacific Northwest Site Office				
34	DOE-Portsmouth/Paducah				
35	DOE-Princeton Site Office				
36	DOE-Richland Operations Office				
37	DOE-Savannah River Office-EM				
38	DOE-Savannah River Operations Office				
39	DOE-SC				
40	DOE-Stanford Site Office				
41	DOE-Thomas Jefferson Site Office				
42	DOE-West Valley Demonstration Project				
43	Fermi NAL				
44	Hanford-CH2M Hill Plateau Remediation Company (CH	PRC)			
45	Hanford-Mission Support Alliance (MSA)	,			
46	Idaho National Laboratory				
47	Kansas City Plant				
48	Lawrence Berkeley National Laboratory				
49	Lawrence Livermore National Laboratory				
50	Los Alamos National Laboratory				
5	2007 Marriod Hadiorial Euboratory				

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51	National Energy Technology Laboratory-PGH		
52	Nevada National Security Site-MSTS		
53	Nevada National Security Site-SOC		
54	NNSA-Kansas City Site Office		
55	NNSA-Kirtland Area Office		
56	NNSA-Livermore Site Office		
57	NNSA-Los Alamos Site Office		
58	NNSA-Nevada		
59	NNSA-Pantex		
60	NNSA-Production Office		
61	NNSA-Sandia Site Office		
62	NNSA-Savannah River Office		
63	NNSA-Service Center (Albuquerque)		
64	NNSA-Y-12		
65	ORAU		
66	ORNL		
67	ORNL-Isotek		
68	ORNL-UCOR (URS CH2M)		
69	PNNL-Battelle		
70	Princeton Plasma Physics Lab		
71	Sandia National Laboratories-Albuquerque		
72	Sandia National Laboratories-Livermore		
73	Savannah River Site-SRNS (EM)		
74	Savannah River Site-SRR		
75	SLAC National Accelerator Laboratory		
76	Thomas Jefferson National Lab		
77	WIPP		

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