

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	Other	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		ID/Title of Standards Relevant to DOE Mission	Type of Submittal Status	Last Name of Non-Government Standards Body (NGSB) Participant Status	First Name of Non-Government Standards Body (NGSB) Participant Status	Email Address of Non-Government Standards Body (NGSB) Participant Status	DOE	Other	Name of Non-Government Standards Body (NGSB) Status	Country of Non-Government Standards Body (NGSB) Status	Name of Main Committee Status	Number of Activity (e.g., committee, sub-committee, working group, task group) Status
													Enter "D" if You are Formally Designated as an Official DOE Representative	Specify the Type of Representation Below											
32	ok	I	Walker	Andy	andy.walker@nrel.gov		Full Time	International Electrotechnical Commission	USA	IEC Technical Committee	Technical Committee	V			IEC CD 63265-2020 Reliability Practices for the Operation of Photovoltaic Power Systems (CD-Draft for Committee Vote) Draft for committee vote.	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
33	ok	I	Touhiduzzaman	Md	md.touhiduzzaman@nrel.gov		Full Time	IEEE	USA	1547.3-Cybersecurity of Distributed Energy Resources (DER)	Technical Committee	NV			Guide for Interoperability and Cybersecurity of Distributed Energy Resources Interfaces with Associated Electric Power Systems	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
34	ok	I	Saleem	Danish	dansh.saleem@nrel.gov		Full Time	IEEE	USA	IEEE 1547.3	Working Group	V			Cybersecurity Guide for Distributed Energy Resources Interconnected with Electric Power Systems	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
35	ok	I	Markel	Tony	tony.markel@nrel.gov		Full Time	IEEE	USA	IEEE P2418.5	Working Group	NV			IEEE P2418.5 Working Group (Blockchain in Energy)	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
36	ok	I	Karagozios	Achilles	achilles.karagozios@nrel.gov		Full Time	ASHRAE	USA	SPC 160 Criteria for Moisture-Control Design Analysis in Buildings	Chair of ASHRAE SPC160	V			Criteria for Moisture-Control Design Analysis in Buildings	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
37	ok	I	Karagozios	Achilles	achilles.karagozios@nrel.gov		Full Time	ASHRAE	USA	Building Materials and Building Envelope Performance	ASHRAE TC 4.4	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
38	ok	I	Karagozios	Achilles	achilles.karagozios@nrel.gov		Full Time	ASHRAE	USA	Passive Building Design Standard	ASHRAE SPC 227P	V			Passive Building Standard	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
39	ok	I	Roberts	David	david.roberts@nrel.gov		Full Time	Residential Energy Services Network	USA	ANSI/RESNET/ACC A Standard 301	Technical Committee	V			ANSI/RESNET/ACC A Standard 301	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
40	ok	I	Fontanini	Anthony	anthony.fontanini@nrel.gov		Full Time	ASHRAE	USA	Section 4.0 Load Calculations and Energy Requirements	TC 4.7 Energy Calculations	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
41	ok	I	Fontanini	Anthony	anthony.fontanini@nrel.gov		Full Time	ASHRAE	USA	Section 1.0 Fundamentals and General	TC 1.5 Computer Applications	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
42	ok	I	Spam	Bethany	bethany.spam@nrel.gov		Full Time	AHRI	USA	1430 Working Group	N/A	NV			AHRI 1430 Standard for Demand Response for Electric Water Heaters	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
43	ok	I	Meleika	Sam	sammy.meleika@nrel.gov		Full Time	ASHRAE	USA	Section 4.0 Load Calculations and Energy Requirements	TC 4.10 Indoor Environmental Modeling	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
44	ok	I	Meleika	Sam	sammy.meleika@nrel.gov		Full Time	ASHRAE	USA	Section 5.0 Ventilation and Air Distribution	TC 5.1 Fans	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
45	ok	I	Meleika	Sam	sammy.meleika@nrel.gov		Full Time	ASHRAE	USA	Section 5.0 Ventilation and Air Distribution	TC 5.10 Kitchen Ventilation	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
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			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
47	ok	I	Jin	Xin	xin.jin@nrel.gov		Full Time	ASHRAE	USA	Section 1.0 Fundamentals and General	TC1.4 Control Theory & Application	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
48	ok	I	Jin	Xin	xin.jin@nrel.gov		Full Time	IEEE Power & Energy Society	USA	Smart Buildings	Customer Systems TC	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
49	ok	I	Merket	Noel	noel.merket@nrel.gov		Full Time	Building Performance Institute	USA	Data and Modeling Standard Technical Committee	HPXML Working Group	V			BPI-2100 Standard for Home Performance-Related Data Transfer	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
50	ok	I	Reyna	Janet	janet.reyna@nrel.gov		Full Time	International Energy Agency	France	Energy Buildings and Communities	Annex 70 Building Energy Efficiency	NV	D		Subtask C: Building Stock Modelling and Analysis	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
51	ok	I	Reyna	Janet	janet.reyna@nrel.gov		Full Time	International Energy Agency	France	Energy Buildings and Communities	Annex 82 Energy Flexible Buildings Towards Resilient Low-Carbon Systems	NV	D		Subtask A: Scaling from Single Buildings to Clusters of Buildings	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
52	ok	I	Winkler	Jon	jon.winkler@nrel.gov		Full Time	ASHRAE	USA	Section 8.0 Air-Conditioning and Refrigeration System Components	TC 8.11 - Unitary and Room air Conditioners & Heat Pumps	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
53	ok	I	Winkler	Jon	jon.winkler@nrel.gov		Full Time	ASHRAE	USA	Section 8.0 Heating Equipment, Heating and Cooling Systems and Applications	TC 8.3 - Central Forced Air Heating and Cooling Systems	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
54	ok	I	Winkler	Jon	jon.winkler@nrel.gov		Full Time	Residential Energy Services Network	USA	ANSI/RESNET/ACC A Standard 300	HVAC Working Group	NV			ANSI/RESNET/ACC A Standard 301	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
55	ok	I	Deru	Michael	michael.deru@nrel.gov		Full Time	ASHRAE	USA	SPC 105	Technical Committee	V			ASHRAE Std 105 Standard Methods of Determining, Expressing, and Comparing Building Energy Performance and Greenhouse Gas Emissions	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
56	ok	I	Dalbhausen	Matthew	matthew.dalbhausen@nrel.gov		Full Time	ASHRAE	USA	SPC 229P	Technical Committee	V			ASHRAE Std. 229 (forthcoming), Ruleset Standard for Energy Modeling Compliance	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
57	ok	I	Torcellini	Paul	paul.torcellini@nrel.gov		Full Time	ASHRAE	USA	SPC 228P	Technical Committee	V			ASHRAE Std 228P Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
58	ok	I	Long	Nicholas	Nicholas.Long@nrel.gov		Full Time	ASHRAE	USA	Standard 211 - Commercial Building Energy Audits	Standard 211 - Commercial Building Energy Audits	V			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
59	ok	I	Mosiman	Cory	Cory.Mosiman@nrel.gov		Full Time	ASHRAE	USA	ASHRAE Standard 229P for semantic tagging of building data	ANSI/ASHRAE Standards 135 and 135.1	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
60	ok	I	Parker	Andrew	Andrew.Parker@nrel.gov		Full time	ASHRAE	USA	SPC 229 - Protocols for Evaluating Ruleset Implementation in Building Performance Modeling Software	SPC 229 - Protocols for Evaluating Ruleset Implementation in Building Performance Modeling Software	NV			N/A	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
61	ok	I	Bianchi	Marcus	marcus.bianchi@nrel.gov		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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
62	ok	I	Bianchi	Marcus	marcus.bianchi@nrel.gov		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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
63	ok	I	Bianchi	Marcus	marcus.bianchi@nrel.gov		Full Time	ASHRAE	USA	Technical Committee 1.12 - Moisture Management in Buildings	Technical Committee	NV		Non-voting member	ASHRAE SSPC 90.1, ASHRAE SSPC 90.2	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

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																										Enter "D" if Participant is Employed by DOE
64	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
65	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
66	ok	I	Woods	Jason	jason.woods@nrel.gov		Full Time	ASHRAE	USA	TC 6.9	Technical Committee	NV		Non-voting member	ANSI/ASHRAE Standard 150, ANSI/ASHRAE 300	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
67	ok	I	Woods	Jason	jason.woods@nrel.gov		Full Time	ASHRAE	USA	TC 8.12	Technical Committee	NV		Non-voting member	ANSI 120	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
68	ok	I	Woods	Jason	jason.woods@nrel.gov		Full Time	ASHRAE	USA	TC 1.10	Technical Committee	NV		Non-voting member	ASHRAE SPC 204	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
69	ok	I	Booten	Chuck	chuck.booten@nrel.gov		Full Time	ASHRAE	USA	TC 6.9 Thermal Storage	Technical Committee	NV		Voting member, technical expert.	ASHRAE Std. 84.2 - Method of Testing Thermal Storage Devices with Electrical Input and Thermal Output Based on Thermal Performance Std. 150, Method of Testing the Performance of Cold Storage Systems	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
70	ok	I	Wheeler	Grant	Grant.wheeler@nrel.gov		Full Time	ASHRAE	USA	Room and Room Air Conditioners &	Technical Committee	NV		technical expert, Program lead	ASHRAE Standard 37/116	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
71	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
72	ok	I	Hale	Selam	selam.hale@nrel.gov		Full Time	ASHRAE	USA	ASHRAE 223P	Semantic Interoperability Working Group	NV		Technical expert	ASHRAE Standard 223P	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
73	ok	I	Saha	Avijit	avijit.saha@nrel.gov		Full Time	ASHRAE	USA	ASHRAE 223P	Semantic Interoperability Working Group	NV		Technical expert	ASHRAE Standard 223P	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
74	ok	I	Barker	Aaron	aaron.barker@nrel.gov		Full Time	International Electrotechnical Commission	Switzerland	TC 114 - Marine energy - Wave, tidal and other water current converters	Technical committee	V		Voting member, convenor, technical expert.	IEC TC114 62800-101 Wave energy resource assessment and characterization	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
75	ok	I	Jonkman	Jason	jason.jonkman@nrel.gov		Full Time	American National Standards Institute	USA	AWEA Wind Technical Standards Committee (WISC)	Wind Technical Standards Committee	NV		Technical expert	AWEA Offshore Compliance Recommended Practices (OCRPF)	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
76	ok	I	Jonkman	Jason	jason.jonkman@nrel.gov		Full Time	International Electrotechnical Commission	Switzerland	TC 88 - Wind energy generation systems	Technical committee	V		Voting member, technical expert.	IEC 61400-3-2 - Wind energy generation systems - Part 3-2: Design requirements for floating offshore wind turbines	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
77	ok	I	Keller	Jon	Jonathan.Keller@nrel.gov		Full Time	International Electrotechnical Commission	Switzerland	TC 88 - Wind energy generation systems	Technical committee	V		Voting member, technical expert.	IEC 61400-4 ED2 - Wind energy generation systems - Part 4: Design requirements for wind turbine gearboxes	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
78	ok	I	Keller	Jon	Jonathan.Keller@nrel.gov		Full Time	International Electrotechnical Commission - Renewable Energy	Switzerland	IEC System for Certification to Standards relating to Equipment for use in Renewable Energy applications (IECRES System)	Technical committee	V		Voting member, technical expert.	OD-501-2 - Conformity assessment and certification of Gearbox by RECB	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
79	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
80	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
81	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		Full Time	AWEA	USA	Wind Technical Standards Committee	WTSC	V		Voting member	ANSI/AWEA 61400 series, AWEA SWT-1	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
82	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		Full Time	IEC	International/Switzerland	TC 88 Wind Energy Generation Systems	MT 11	NV		Technical expert.	IEC 61400-11 Wind turbines Part 11: Acoustic noise measurement techniques	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
83	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		Full Time	IEC	International/Switzerland	TC 88 Wind Energy Generation Systems	TC 88	NV		Chair	IEC 61400 series	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
84	ok	I	van Dam	Jeroen	jeroen.van.dam@nrel.gov		Full Time	AWEA	USA	Wind Technical Standards Committee	Small wind subcommittee	V		Co-Chair	AWEA SWT-1	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
85	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
86	ok	I	Fields	Michael	michael.fields@nrel.gov		Full 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"	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
87	ok	I	Fields	Michael	michael.fields@nrel.gov		Full Time	ENTR Alliance	USA	NA	Operational Analytics	NV		Technical Expert	ENTR Alliance Open Source Operational Data Analytics Implementation	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
88	ok	I	Fields	Michael	michael.fields@nrel.gov		Full Time	International Energy Agency	USA	Task 43: Wind Energy Digitalization	Work Package 4: Digital Wind Resource Assessment	V		Operating Agent, Technical Expert	Digital WRA data standard version 0.1	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
89	ok	I	Huskey	Arlinda	Arlinda.Huskey@nrel.gov		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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
90	ok	I	Huskey	Arlinda	Arlinda.Huskey@nrel.gov		Full Time	International Electrotechnical Commission (IEC)	Switzerland	IEC 61400-11-2 Project Team (PT)	Technical Committee	V		Voting member, technical expert.	IEC 61400-11 Acoustic emissions testing and measurement of acoustic characteristics for wind turbines	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
91	ok	I	Hughes	Scott	scott.hughes@nrel.gov		Full Time	International Electrotechnical Commission	Switzerland	IEC 61400-23	Technical Committee	V		Technical Expert	IEC 61400-23, Full-scale structural testing of rotor blades	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
92	ok	I	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)	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
93	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
94	ok	I	Musial	Water	walter.musial@nrel.gov		Full Time	AWEA Wind Technical Standards Committee	USA	AWEA Wind Technical Standards Committee	Offshore Wind Subcommittee	NV		Chairman of AWEA Offshore Wind Subcommittee	Maintenance of AWEA OCRPF 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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
95	ok	I	Clark	Callyn	callyn.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 62800-101, Wave energy resource assessment and characterization	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	

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96	ok	I	Clark	Callyn	callyn.clark@nrel.gov		Full Time Postdoc	IEC	USA	USNC/ANSI	Young and Emerging Professionals Committee	V		Voting member, technical expert.	Young and Emerging Professionals Committee Framework	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
97	ok	I	Clark	Callyn	callyn.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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
98	ok	I	Preus	Robert	robert.preus@nrel.gov		Full Time	IEC	International	SC 88	WG1 WG3	v		technical expert	Decentralized Energy Systems	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
99	ok	I	Preus	Robert	robert.preus@nrel.gov		Full Time	AWEA	USA	SWT1	Technical committee	v		technical expert	AWEA/ANSI SWT1 Small wind certification standard	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
100	ok	I	Mathison	Steven	steven.mathison@nrel.gov		Full Time	Society of Automotive Engineers	USA	Fuel Cell Standards Committee	Interface Task Force	V		Voting member, technical expert.	J2601 / Fueling Protocols for Light Duty Gaseous Hydrogen Surface Vehicles J2601-2 / Fueling Protocol for Gaseous Hydrogen Powered Heavy Duty Vehicles J2601-3 / Fueling Protocol for Gaseous Hydrogen Powered Industrial Trucks J2600 / Compressed Hydrogen Surface Vehicle Fueling Connection Devices J2799 / Hydrogen Surface Vehicle to Station Communications Hardware and Software J2719 / Hydrogen Fuel Quality for Fuel Cell Vehicles J3219 / Hydrogen Fuel Quality Screening Test of Chemicals for Fuel Cell Vehicle	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
101	ok	I	Mathison	Steven	steven.mathison@nrel.gov		Full Time	International Standards Organization	USA	TC 157	US Technical Advisory Group	V		Voting member, technical expert.	19885 / Gaseous hydrogen -- Fueling protocols for hydrogen-fueled vehicles	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
102	ok	I	Mathison	Steven	steven.mathison@nrel.gov		Full Time	Canada Standards Association	USA	Hydrogen Transportation Technical Committee	HGV 4.3 Technical Sub-Committee	V		Voting member, Chair of HGV 4.3 TSC technical expert.	HGV 4.3 / Test methods for hydrogen fueling parameter evaluation	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
103	ok	I	Butner	William	william.butner@nrel.gov		Full Time	SAE	USA	SAE Fuel Cell Standards Committee	Technical Committee	V		Expert Support	SAE TIR J3089 Sensors for On-board vehicle applications; SAE J2719 Hydrogen Fuel Quality for Fuel Cell Vehicles	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
104	ok	I	Butner	William	william.butner@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)	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
105	ok	I	Butner	William	william.butner@nrel.gov		Full Time	ISO	ISO	TC197	Technical Committee	NV		Expert Support	ISO TC 197 14687 Hydrogen fuel quality — Product specification	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
106	ok	I	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	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
107	ok	I	Dahhausen	Matthew	matthew.dahhausen@nrel.gov		Full Time	ASHRAE	USA	SPC 229	Technical Committee	V		Voting member, technical expert.	ASHRAE Std. 229 (forthcoming). Ruleset Standard for Energy Modeling Compliance	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
108	ok	I	Gonzales	John	john.gonzales@nrel.gov		Full Time	CSA	Canada	NGV	Technical Committee	NV		Technical Expert	NGV 4.4 (breakaway devices for NG dispensing); NGV 4.8 (NGV refueling station compressor packages); B401 (vehicle maintenance facilities codes); B108 (Natural gas refueling stations installation code)	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
109	ok	I	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 Nominal Ethanol Concentrations up to 85 Percent (ED - E85); 25B Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

List of Organizations					
Enter the number below corresponding to the organization of the PARTICIPANTS in the Organization Number cell					
0					If the organization of the PARTICIPANTS 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 (CHPRC)				
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				

List of Organizations					
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				

