International Meeting on Fuel Cell and Electrolyzer Quality Control Agenda

May 5–6, 2021 (virtual)

Wednesday, May 5

(Times in EDT)

10:00–10:15	Welcome and overview of workshop	Michael Ulsh, NREL Michael Hahn, HFTO
10:15–10:30	U.S. Department of Energy Hydrogen and Fuel Cell Technologies Office (HFTO) introductory comments	Jesse Adams, Technology Acceleration Program Manager, HFTO
10:30–11:00	Industry commentary on fuel cell quality control (QC) status/challenges (15-minute talks)	Erin Setzler, Gore Michael Yandrasits, 3M
11:00–11:20	Overview of Fraunhofer Institute for Solar Energy Systems (ISE) activities	Matthias Klingele, Fraunhofer ISE
11:20–11:40	Overview of National Research Council-Canada (NRC) activities	Francois Girard, NRC
11:40–12:00	Overview of National Renewable Energy Laboratory (NREL) activities	Michael Ulsh, NREL
12:00–12:15	Break	
12:15–1:00	Description and outcomes of prior QC workshops (fuel cells)	Ulf Groos, Fraunhofer ISE Francois Girard, NRC Riny Yuan, NRC Ken Shi, NRC
1:00–1:45	Open discussion/feedback on prior findings for fuel cells	Michael Ulsh, NREL
1:45–2:00	Open discussion on prioritization of QC R&D needs for fuel cells	Michael Ulsh, NREL
	Adjourn	

Thursday, May 6

(Times in EDT)

10:00–10:10	Welcome and reminder of Day 2 agenda	Michael Ulsh, NREL Michael Hahn, HFTO
10:10–10:30	Report-out on day 1 findings and prioritization	Peter Rupnowski, NREL
10:30–10:50	Introductory discussion/comparison of low-temperature electrolysis (LTE) and fuel cell membrane electrode assembly (MEA) materials, structures, and operating conditions and implications for QC	Guido Bender, NREL

10:50–11:30	Industry commentary on LTE QC status/challenges (20-minute talks)	Adam Paxson, Plug Power Chris Capuano, Nel
11:30–11:45	Break	
11:45–12:45	Open discussion on LTE QC needs and challenges	Michael Ulsh, NREL
12:45–1:15	Open discussion on prioritization of LTE QC R&D needs	Michael Ulsh, NREL
1:15–1:45	Wrap-up discussion: collaboration opportunities and ideas, final comments	Michael Hahn, HFTO
	Adjourn	