

MEETING LOG
DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: Micro Fuel Cells

PLACE: DOE, Pacific Northwest National Laboratory, 901 D street SW, Suite 900,
Washington, DC 20024-2115

MEETING DATE: October 28, 2003

LOG ENTRY SOURCE: Janet Buyer

ENTRY DATE: November 4, 2003

COMMISSION ATTENDEES:

Janet Buyer ES

NON-COMMISSION ATTENDEES:

John Carter	FAA
Charles Ke	DOT
Dan Melamed	EPA
James Ohi	NREL
Duane Pfund	DOT
Bruce Kinsey	PNNL
Paul Adams	BIC, Inc.
John Cerveny	MTI MicroFuel Cells, Inc,
Julie Doherty	Methanex
John Galbraith	Foamex
Kurt Kelty	Panasonic
Cindy Millsaps	Motorola
Dave Reichert	Dupont
Greg Dolan	Methanol Institute
Patrick Serfass	National Hydrogen Association
Brian Walsh	U.S. Fuel Cell Council
John Paterson	attorney
Ken Wolf	Intertek
Robert Pence	UL
Harry Jones	UL

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MEETING SUMMARY: The meeting proceeded per the attached agenda. Dr. Ke of DOT recommended specific actions industry should take that would provide him with information he can take to the UN to gain approval of microfuel cells to be brought on as cargo in passenger aircraft. UL will generate meeting minutes of this meeting. If the attendees approve them to be released as public information, they will be attached to this meeting log when available.

**Underwriters Laboratories Inc./Department of Energy
Roadmap for Micro Fuel Cells Market Entry
October 28, 2003, 8:00 AM**

Location: Pacific Northwest National Laboratory, 901 D Street SW, Suite 900
Washington, DC 20024-2115, Conference Rooms A/B

RSVP: **Harry Jones, UL, harry.p.jones@us.ul.com by October 17, 2003.**
Note: Only those who are invited and who RSVP affirmatively will be admitted into the meeting. An attendance list will be sent to DOE/PNNL in advance. Meeting room space is limited to 50 people.

Objective: Identify the critical regulatory issues and market entry timeline for this technology using a critical mass of key regulators and manufacturers. Outline the steps necessary to ensure a smooth transition from prototype to mass production.

AGENDA

8:00	Welcome, Meeting Strategy, and Workshop Workbook---Robert Pence, UL
8:10	Keynote address --- Neil Rossmeissi, DOE Opening presentation on the goals of the workshop and need for action steps and a timeline. DOE vision for micro-fuel cells.
8:30-10:00AM	Morning Session.
8:30	Propose rulemaking at UN, and DOT issues - John Paterson
8:50	UN and path forward: Response about methanol & path forward -- Dr. Ke, DOT
9:15-9:30	Break
9:30	Methanol Industry Perspective – Greg Dolan, Methanol Institute
9:50	FAA Hazmat Enforcement Role – Bill Wilkening, FAA
10:15	CPSC perspective – Janet Buyer, CPSC
10:40	IEC/TC105 Activities and Status of UL2265 – Harry Jones, UL
11:15	Recap of Significant Regulatory Issues –Robert Pence, UL
11:45	Break
12:00-1:00	Working Lunch Topic: The manufacturer's timeline. Who is doing what and when will it be ready – Greg Dolan, Methanol Institute
1:00	DOE R&D Projects for Safety Consideration (Neil Rossmeissi) DOE will present their test plans on small storage containers. This will lead to a facilitate discussion on demonstrations that will have the greatest impact on proving safety and performance.
2:00	Facilitated discussion for development of a roadmap for moving forward – Robert Pence Basis: Regulatory issues previously identified. Vision: Steps and/or parallel pathways needed to ensure minimal shipment restrictions for fuel/device and allowance for micro fuel cells onboard passenger aircraft.
3:00-3:30PM	Break
3:00	Summary of roadmap, significant discussion items and gaps and next steps to be taken- Robert Pence
4:00	Adjourn
	Report summarizing results to be issued following meeting.