



UK Engagement in International Standards

Andrew Winship

Director, UKHA

UK Hydrogen Solutions Manager, The Linde Group

Presentation overview

- UKHA - Who we are
 - UKHA Commitment
 - Our safety - related activities
 - BSI PVE 3/8
 - ISO TC 197 scope, activities and work items
 - How to join us
 - Contact details
-

- Formed in May 2006
- Diverse Membership
- Industry association whose mission is to foster the development and use of hydrogen technologies and to promote the use of hydrogen as an energy carrier in the United Kingdom
- Key activities
 - Policy
 - Regulations and Standards
 - Education
 - Collaboration
 - Desire to lead effort to develop UK hydrogen roadmap/commercialisation plan

Air Products & Chemicals

AMEC

BOC / Linde

Bryte Energy

Genex

The Centre for Process Innovation

E.ON UK

Gastec

Glamorgan University

H2 Logic

ITM Power

Johnson-Matthey

Kingston University

Logan Energy

MMI

Newcastle University

Renew Tees Valley

S&TFC RAL

TNEI

Wind Hydrogen

UKHA Commitment



- Defining hydrogen's role in a low carbon economy
 - Providing a focal point of authoritative advice to government
 - Advocating hydrogen and answering concerns
 - Formulate consensus from the shared interests of stakeholders
 - Guidance on R&D priorities
 - Sharing information and promoting knowledge transfer
 - Best practise
 - Influencing EU policies
 - Represent and promote UK hydrogen industry internationally
-

Our Safety-related Activities



- UKHA Safety & Standards Committee – advance guidance documents, review international activities, form consensus on safety-related matters.
 - The UKHA is your gateway to international standards for hydrogen technologies.
 - Representing members' interests with European and International organisations and initiatives.
 - Chair new BSI subcommittee on Hydrogen Technologies
-

- In January 2008, PVE 3 (Gas Containers) agreed to form a new subcommittee to shadow the work of ISO/TC 197, Hydrogen Technologies.
 - New subcommittee is Chaired by Karen Hall, UKHA Administrative Manager
 - The scope of the new sub-committee is:
 - On behalf of PVE/3, to be responsible for monitoring the work of ISO/TC 197 and as and when necessary to discuss, agree and submit the UK position and vote regarding any associated areas of work.
 - Membership is open to interested parties
 - UKHA is represented by Andrew Winship
-

■ ISO/TC 197 scope:

- Standardization in the field of systems and devices for the production, storage, transport, measurement and use of hydrogen

■ Existing Working Groups

- ISO/TC 197/WG 1 Liquid hydrogen - Land vehicles fuel tanks
 - ISO/TC 197/WG 5 Gaseous hydrogen - Land vehicle filling connectors
 - ISO/TC 197/WG 6 Gaseous hydrogen and hydrogen blends - Land vehicle fuel tanks
 - ISO/TC 197/WG 8 Hydrogen generators using water electrolysis process
 - ISO/TC 197/WG 9 Hydrogen generators using fuel processing technologies
 - ISO/TC 197/WG 10 Transportable gas storage devices - Hydrogen absorbed in reversible metal hydride
 - ISO/TC 197/WG 11 Gaseous hydrogen - Service stations
 - ISO/TC 197/WG 12 Hydrogen fuel - Product specification
 - ISO/TC 197/WG 13 Hydrogen detectors
-

How to Join Us



- Join the UKHA
 - Visit us at www.ukha.org
 - Call Karen Hall at 01914909442
 - UKHA Members may participate in the UKHA Safety & Standards Committee
 - Your organisation can choose to monitor activities and be selective about your involvement and responses, or to be directly involved as a UKHA-appointed expert on an active ISO/TC 197 Working Group
 - Join BSI PVE 3/8
 - Experts who represent a broader set of stakeholders, such as associations and consortia are encouraged to seek nomination to represent these groups on the new BSI subcommittee
 - Contact Charlie Duncombe, BSI
 - E-Mail : charlie.duncombe@bsigroup.com
-

Contact Us



The United Kingdom Hydrogen Association
Gateshead International Business Centre
Mulgrave Terrace
Gateshead
Tyne & Wear
NE8 1AN

Tel. +44(0)191 490 9442

Fax. +44(0)191 490 9441

Email: khall@ttcorp.com

web site: www.ukha.org



Thank you for your attention

Mr. Andrew Winship

UK Hydrogen Solutions Manager

The Linde Group

The Priestly Centre, 10 Priestly Road

Surrey Research Park

Guildford, Surrey

GU2 7XY

UNITED KINGDOM

Phone: +44(0) 1483 244368

Fax: +44(0) 1276 807654

E-mail: andrew.winship@boc.com