



ISO work on “Hydrogen technologies” *Impact and relevance*

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ISO/TC 197

Hydrogen technologies

Target 2015-2020: Preparing the way for international hydrogen deployment

- **Hydrogen fuel cell vehicles**
- **Interface**
- **Hydrogen fuelling infrastructure**

United Nations

Sustainable Energy

Inland Transport Committee

WP 29
World Forum for Harmonization of vehicle regulations

SCETDG
Transport of Dangerous Goods

GTR
Global Technical Regulation on Hydrogen Fuel Cell Vehicles

International Regulatory Bodies

ISO/IEC

ISO/TC197
Hydrogen technologies

IEC/TC105
Fuel cell technologies

ISO/TC58
Gas cylinders

Cooperation

ISO/TC22
Road vehicles

IEC/TC31
Equipment for explosive atmospheres

International SDOs



Strategic importance of ISO & IEC standards to support trade (WTO)

- Remove technical barriers to trade
- “One Product, One International Standard”
- Use/reference in national and regional legislation
- Necessary for large-scale deployment





What needs to happen?

Effective partnerships

- ▶ **Industry and ISO**
 - ▶ Help set the standard and identify the needs
- ▶ **UN and ISO**
 - ▶ Policy makers to reference ISO standards
- ▶ **ISO and industry consortia**
 - ▶ Innovative methods of cooperation to avoid multiple solutions



Benefits for automotive OEMs

- **Better use of resources**
- **Increased consensus; better customer acceptance**
- **Increased safety and interoperability**
- **Global acceptance in all regions**
- **Efficient and predictable regulations**