Climate Change Adaptation for International Transport: Preparing for the Future

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Role of International Standards

Presentation by

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Role of International Standards

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About ISO

- Founded in 1947
- Independent
- Non-governmental organization
- Global network of national standards bodies
- 245+ Technical Committees
Key ISO Technical Committees

- TC207 – Environmental management
- TC207/SC7 – Greenhouse gas management and related activities

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<th>Transport Sector Committees</th>
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<td>TC8 – Ships and marine technology</td>
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<td>TC20 – Aircraft and space vehicles</td>
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<td>TC204 – Intelligent transport systems</td>
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<td>TC269 – Railway applications</td>
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Key ISO Projects

- ISO/FDIS 14090 - Adaptation to climate change -- Principles, requirements and guidelines
- ISO/CD 14091 - Adaptation to climate change -- Vulnerability, impacts and risk assessment
- ISO 14001:2015 - Environmental management systems -- Requirements with guidance for use
Other Key ISO Projects

- ISO 28000 series - Security management systems for the supply chain
- IWA 16:2015 - International harmonized method(s) for a coherent quantification of CO2e emissions of freight transport
- ISO 14080:2018 - Greenhouse gas management and related activities -- Framework and principles for methodologies on climate actions

ISO TMB Task Force 07

- ISO’s Technical Management Task Force on Climate Change Coordination
  - Advise on prioritization of internal coordination between ISO committees on standards relating to climate change;
  - Increase acceptance and utilization of ISO standards related to climate change globally;
  - Support communication between ISO/CS and the UNFCCC Secretariat, as well as other international standards setting bodies in the climate change area, through existing ISO/CS communication channels;
  - Completion of a review of the outcomes of the Paris COP 21 and resulting International Negotiations with UNFCCC Secretariat and produce a strategic plan to guide ISO toward incorporation of the political landscape in future standards product;
  - Development of a new guide on how to address aspects of climate change in all ISO standards. The guide should be aligned and complement Guide 82 and CEN Guide 64.
TMB Task Force 07

• Development of ISO Guide 84 - Guidelines for addressing climate change in standards
  *Publication planned for November 2019

• Next meeting – 29-30 May 2019, Berlin

ISO and UN SDG’s

• Ongoing effort to map ISO standards to the UN Sustainable Development Goals
• Hundreds of international standards mapped to SDG’s – including SDG13

https://www.iso.org/sdgs.html
Challenges

- ISO’s standards in transport are market-driven, and may not overtly place climate change as the highest priority in standards development
- Convincing stakeholders to be more market pro-active is difficult

Opportunities

- ISO’s transport committees are already:
  - engaged with other UN agencies (IMO, ECE, etc)
  - developing awareness of the SDGs
  - in contact with intergovernmental bodies such as the EU
- ISO/TC207 has laid a lot of groundwork for other committees to follow and adapt
Policy Recommendations

• Invite stakeholders, industry, etc. to take advantage of the role international standards can play, not only to reduce barriers to trade, but to advance the conversation on climate action and climate adaptation.

• Consider prioritizing standardization and raising the profile on modes of transport and technologies that will have the biggest impact on adaptation to climate change.

For more information:

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