

Ad Hoc Expert Meeting on

**Climate Change Adaptation for
International Transport:
Preparing for the Future**

16 to 17 April 2019

Role of International Standards

Presentation by

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UNCTAD Ad Hoc Expert Meeting

Climate Change Adaptation for
International Transport:
Preparing for the Future

Role of International Standards

April 2019



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

Transport Sector Committees

TC8 – Ships and marine technology

TC20 – Aircraft and space vehicles

TC22 – Road vehicles

TC204 – Intelligent transport systems

TC269 – Railway applications



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
- ISO Guide 82:2014 - Guidelines for addressing sustainability in standards



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 14067:2018 - Greenhouse gases -- Carbon footprint of products -- Requirements and guidelines for quantification
- 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



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