

A light gray world map is visible in the background, showing the outlines of continents and oceans. The map is centered and serves as a backdrop for the text.

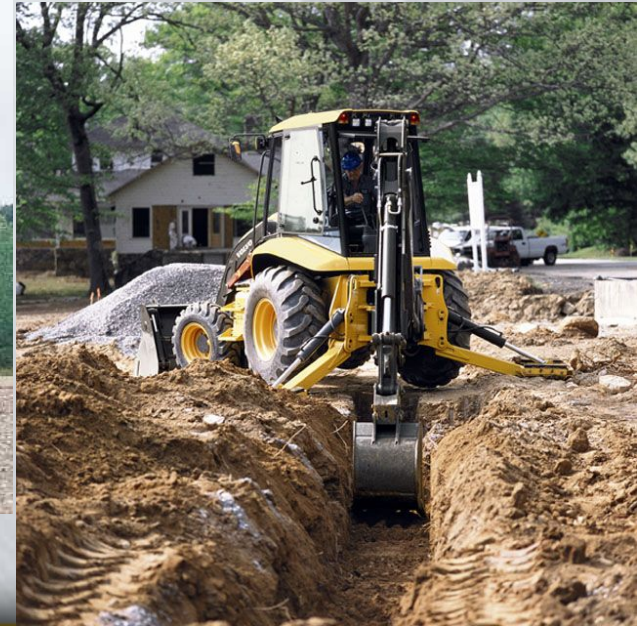
Progress Report UNECE WP 6

Sectoral Initiative for Earth-Moving Machines (EMM)

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2017-11-29**

Outline of Presentation

- **Introduction – EMM Industry**
- **History of the Sectoral Initiative**
- **Status and Activities for 2017**
- **Future Plans**



Earth Moving Machines

Off-Road Machines Used in Earth Moving, Construction and Mining for Excavating, Loading, Transporting, Spreading and Compacting Earth, Rock and Other Materials.



EMM Sectoral Initiative History

- **2004: Completed Project to Promote:**
 - National Adoption of ISO/TC 127 Safety Standards
 - Using the Technical Requirements in the ISO/TC 127 Standards for National Regulations
 - Self Declaration of Conformity for Certification
- **2008: Updated for Developing Countries**
 - Accept Need for Third Party Conformity Assessment
 - Allow Single Testing and Single Global Certification
 - Long Term Goal Still Self Declaration of Conformity
- **2009: Started Conformity Assessment Certificate**
- **2011: Expanded to Cover Risk Management and Support Customer Goal for Zero Injury/Harm**
- **2012/2014: Promote Sustainability/Balance**
- **2015: Addressed Replacement Parts Challenge**
- **2016: Developed ISO Standard on the EMM Process**
- **2017: Developing and Promoting High Tech Standards**

Status and Activities for 2017

- **Continuing to Promote the Initiative for EMM**
 - **ISO Standards Generally Accepted for National Standards and for Regulations**
 - **Self Declaration of Conformity Generally Accepted**
 - **Third Party Testing and Certification Provisions**
 - **Promoting Acceptance of Conformity Assessment Testing by Manufacturers if Properly Done**
 - **Promoting Single Third Party Certification Globally**
- **Promoted the ISO TR 19948 Process for Standards, Regulations, Conformity Assessment, and Certification**
- **Developing and Promoting High Technology Standards to Maintain Machine Safety**

ISO TC 127 High Technology Standards

- **Published the ISO 17757 Autonomous Machine System Safety Standard**
- **Preparing ISO Standards for Collision Avoidance and Safety of Control Systems**

Future Plans for EMM Project

- **Continue to Provide Training and Assistance For Using the ENECE WP 6 EMM Model Regulation**
- **Continue to Develop and Promote Global Standards for High Tech System Safety**