Progress Report
UNECE WP 6

Sectoral Initiative for Earth-Moving Machines (EMM)

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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
    - 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