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
- Current Activities
- “Sustainability” for the Project
- Future Challenges and Plans
Earth Moving Machines

Off-Road Machines Used for Excavating, Loading, Transporting, Spreading and Compacting Earth 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 Conformity Assessment
  - Accept Need for Third Party Conformity Assessment
  - Define Provisions to Allow Single Testing
  - Long Term Goal Still Self Declaration of Conformity

- **2009**: Started Global Declaration/Certificate

- **2011**: Expanded to Cover Risk Management and Support Customer Zero Injury/Harm Goal

- **2012/2013**: Promote Sustainability/Balance
Safety Goal – Zero Injuries

Work Site Surveillance

Work Site Risk Management

Conformity Assessment

Certification

Safety Regulations

Define Safety Risks

Create ISO Standards

EMM Safety Process
2012/2013 Activities Summary

- Continued to Promote the Initiative for EMM
  - Adopt ISO Standards as National Standards
  - Use ISO Standards for the Technical Requirements in National Regulations
  - Promote Self Declaration of Conformity, Accept Third Party Certification Where Required
  - Accept the Conformity Assessment Testing by Manufacturers if Properly Done

- Participated in a One Day Training Seminar in Casablanca in May 2013 for Middle East and Northern Africa

- Continued to Promote the Model Global Declaration of Conformity Certificate for EMM
Model Global “Declaration of Conformity Certificate” for Earth-moving Machines
Sustainability For EMM Project

- Balance Between Social/Economics/Environment

  - Social – Safety and Ergonomics
    - ISO Standards Address All Safety Risks
    - ISO Standards Accommodate Operator Ergonomics
    - Assisting Machine Users with Safety Guidance

  - Economics – Minimize Machine Costs for Users
    - Global Standards to Reduce Development Costs
    - Single Conformity Assessment and Certification

  - Environment – Improve Fuel Consumption and Reduce Greenhouse Gas (GHG)
    - Project to Work with Machine Users to Improve Machine Application Efficiency
    - Improve Machine Productivity and Energy Efficiency
Future Plans for EMM Project

- Continue to Provide Training and Assistance For Using the ENECE WP 6 EMM Model Regulation
  - China, India, South Korea, South America, Russia, Gulf Region and Vietnam
  - Assist Them with Best Practices for Standards, Regulations and Conformity Assessment

- Promote Global Conformity Certification

- Training Seminars in 2014
  - The Gulf Region