



**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**

**EMM
Safety
Process**

Safety Goal – Zero Injuries

Work Site Surveillance

Work Site Risk Management

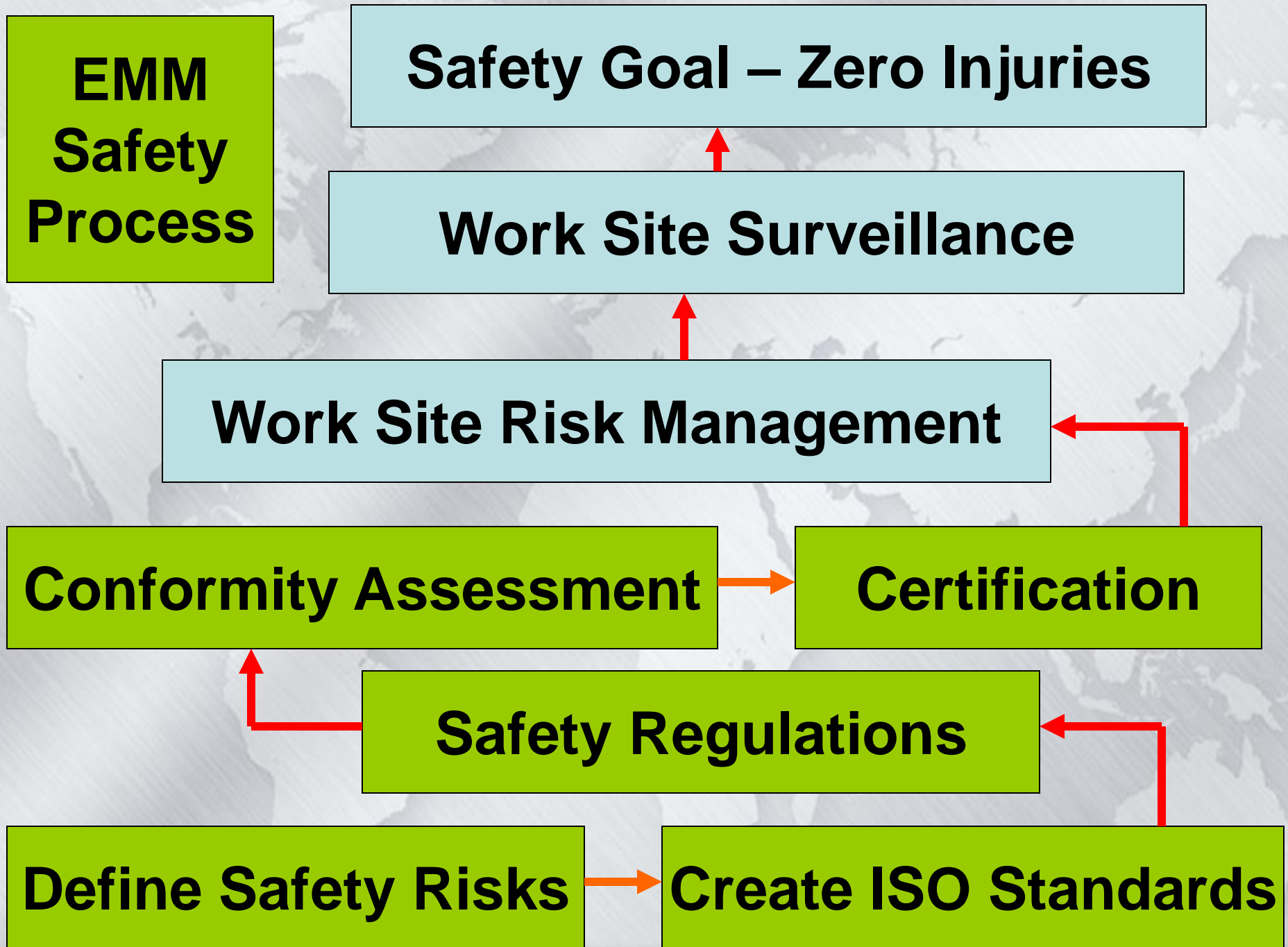
Conformity Assessment

Certification

Safety Regulations

Define Safety Risks

Create ISO Standards



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

Manufacturer's Name
Declaration of Conformity Certificate

I, the undersigned, _____, hereby certify that the construction equipment specified hereunder

1. Category
2. Make
3. Type
4. Serial Number
5. Year of construction

has been manufactured in conformance with quality requirements

- Quality Standard:	Certified by:
- Quality Standard:	Certified by:

and has been constructed with regard to.

Directives/Standards	No.	Date	Approval Body

Support Information:

Certified by: (firm/third party)

Facility & Country of Origin	Signature _____ _____ _____ Date: _____
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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**