

XXIVth World Road Congress Mexico 2011 Mexico City 2011.

Introduce Risk Management Techniques in the Road Sector- Overview of the WG1 report

Johan Hansen

- Swedish Transport Administration
- Risk Manager

johan.hansen@trafikverket.se

WG1 REPORT – A GUIDE TO RISK MANAGEMENT IN A ROAD ORGANIZATION

- The framework for risk management in a road management organization, developed in the previous cycle, has been updated.
- Special emphasis has been placed on finding practical examples and case studies for the various areas of RM.

The ambition is that the updated framework should be the basis to keep the risk management knowledge area with examples of methods and case studies at PIARC's homepage.

WORKING GROUP MEMBERS

Maurice Cammack (Australia); Christian Stefan (Austria) Alain Lefebvre (Belgium); Maarten Blomme (Belgium) Tarek Sayed (Canada) Johanne Legault, French-speaking secretary(Canada-Quebec) Lenka Petrova (Czech Republic); Martin Antusak(Czech Republic) Csilla Kamaras (Hungary); Rahimi Mohsen (Iran) Yukio Adachi, co-leader working group 1 (Japan) Radu Andrei (Romania) Johan Hansen, leader working group 1 (Sweden) Jachen Cajos (Switzerland); Ryszard Gorell (United Kingdom)



A GUIDE TO RISK MANAGEMENT IN A ROAD ORGANIZATION – STRUCTURE OF C3.1 REPORT AND FRAMEWORK FOR RISK MANAGEMENT



General principles of RM - example





consequence (damage/losses/disturbances)



RM organization - example



RM Road Network - example

The map shows prioritization of the links based on the road user perspective, which causes most public economy damage if not operational (has high trafficvolume and long reserve alternative road).

Identify hazards,

- Evaluate and rank the risks
- Decide and carry out risk reduction measures.

RM Road Project - example



Riskprofile deliveries to risk owners (contractor, consultant, municipality, project sponsor, etc.) and demands for contractor's own Risk Management.



Crisis Management - example

Crisis Management – Main Scenarios

- Hazard within the Road Transport System
- Hazard from Surroundings
- Hazard from the Road Transport System







RISK MANAGEMENT – EXAMPLES OF TOPICS TO DEVELOP

Continuously update the framework for Risk Management in a road management organization and each area of practice and case studies – preferably web based.

The role of risk management in a legal aspect has not been investigated.

Risk management is necessary for internal management and control for better performance in a road organization. The role of risk management in organizational performance management should be investigated in current road operational practices

RISK MANAGEMENT – EXAMPLES OF TOPICS TO DEVELOP

The current emergency and crisis management technique for ensuring continuous traffic should be reviewed and be introduced to countries in transition.

A guide is necessary to assist road authorities in the use of crisis management for quick and safe recovery from the disastrous situation after the unpredicted big natural hazards. Lessons can be learned e.g. from the great Tohoku-Kanto disaster, March 2011

Dare to think ahead

