



# B.1 Good Governance of Road Administrations

## MEMBERS

Total membership: 60 (42 countries)  
Active members: 30 (20 countries)  
Corresponding members: 13  
Associate members: 3

## ISSUES AND STRATEGIES

### B.1.1 - Best practices for good governance

- Investigate the topic of institutional integrity with focus on tackling corruption in the road sector.
- Propose a toolkit of potential measures for preventing, identifying and taking enforcement action against corrupt behaviour within Road Administrations.

### B.1.2 - Improved services to customers

- Undertake a comparison of services targeted at customers and how customer's feedback is collected.
- Evaluate how a customer-oriented approach has improved services.

### B.1.3 - Human resources for the future

- Review countries plans, policies and strategies regarding skill shortages and human resource challenges for the future.
- Review what is being done within the road sector to make the sector appealing and what skills would be beneficial to bring into this sector.
- Consider solutions to needs expressed by developing countries relating to deficiencies in training and education systems which are resulting in a lack of appropriately qualified road industry professionals.

## OUTPUTS

### International Seminars and Congress

- International seminar 'Human Resources Management, Governance and Public Procurement' (Bamako, Mali, December 2009)
- International seminar (co-hosted with TC B.2): 'Roads and highways: optimizing services for the customer' (Kuala Lumpur, Malaysia, April 2011)
- Global governance and policy events (customer orientation) – Winter Congress in 2010, Quebec (Canada-Quebec)

### Other International Events

- Presentation on "Human Resources for the Future" issues at the International Road Federation World Meeting (Lisbon, Portugal – May 2010)
- Presentations on "Human Resources for the Future" and "Good Governance for Road Administrations" at Transportation Association of Canada Annual Conference (Halifax, Canada – September 2010) –

### Papers in Routes/Roads

- **No. 344:** "Attracting a new generation to the roads sector in Australia and New Zealand". J. Palmer, A. Ryan, B. Nugent
- **No. 345:** "Good governance. Understanding and Incorporating Customer Needs". M. Campbell
- **No. 346:** 'Summary paper on the PIARC International seminar entitled "Human Resources Management, Governance and Public Procurement" J.-F. Corté
- **No. 347:** "Institutional integrity, a survey of current practice in the road sector". A. Walcher, R. Stampkowski, M. Apfalter, J. Spear
- **No. 349:** "Conceptual Model and Toolkit for Tackling Corruption". A. Walcher, R. Stampkowski, M. Apfalter, J. Spear

### Technical Reports

- "Overview report" - (Main methods and findings)
- "Best Practice for Good Governance – Institutional Integrity"
- "Improved Services for Customers"
- "Mind the Gap! Human Resources for the Future"





# B.2 Road Network Operations

## MEMBERS

Total membership: 80 (38 countries)  
Members: 49  
Corresponding members: 25  
Associate members: 6

## ISSUES AND STRATEGIES

### B.2.1 Management of Congested Areas

- Examine the understanding of and successful approaches to managing traffic flow on major urban and interurban roads in congested areas.

### B.2.2 - Appropriate use of ITS for an integrated transport system

- An overview of current co-operative vehicle highway developments and initiatives, future products and services with recommendations to PIARC and FISITA.

- Updating of the ITS handbook and on-line access implementation.

### B.2.3 - Management of road corridors

- Identify the factors affecting corridor usage, and how to influence users.
- Cross-border issues: integration of services across country borders.

## OUTPUTS

### INTERNATIONAL SEMINARS AND WORKSHOPS

- ITS master class at the e-transport conference (Johannesburg, South Africa, March 2009)
- ▶ PIECE 2010 conference (Kuala-Lumpur, Malaysia, April 2010):
  - ITS Tools for Road Network Management, Now and in the Future
  - Special workshop on connected vehicles
- International seminar co-organized with TC B1: Roads & Highways: optimizing the services for the customer (Kuala Lumpur, Malaysia, April 2011).



## OTHER EVENTS

### ▶ SPECIAL PIARC SESSIONS AT:

- FISITA congresses, Munich 2008, Budapest 2010
- ITS World congresses (participation)
  - New York 2008, PIARC/FISITA Executive Session "Cooperative Systems"
  - Stockholm 2009, World Bank Special: Session How to support ITS deployment in developing countries.
  - Busan 2010, PIARC/FISITA Special Session "Benefits of Co-operative Systems": Expectations from infrastructure operators"

### PAPERS IN ROUTES/ROADS

- **No. 341:** "The PIARC-FISITA Joint Task Force on Intelligent Cooperative Vehicle Highway Systems", R. Harris, M. Rowell
- **No. 348:** "The Development of Intelligent Transport Systems in China through Public-Private Partnerships", J. Miles, W. Yao
- **No. 351:** Special Issue on ITS, coordinated by M. Chevreuil

### TECHNICAL REPORTS

- Technical Committee report
- PIARC-FISITA report on Cooperative Vehicle Highway systems

### OTHERS

- Implementation of the on-line version of the ITS handbook and reformatting of the Network Operations Handbook: <http://road-network-operations-piarc.org>.
- Editing of the Spanish translation of the ITS Handbook. Second edition

### COOPERATION

- FISITA: Joint Task Force on Cooperative Vehicle Highway systems
- IBEC: International Benefits, Evaluation and Costs Working Group



# B.3 Improved Mobility in Urban Areas

## ISSUES AND STRATEGIES

### B.3.1 - Integration of the different modes of transport

- Study strategies for balancing the share of urban transport modes to reduce congestion and improve mobility.

### B.3.2 - Land use planning and road transport

- Investigation of transport requirements and policies associated with planning of new developments in large cities.

### B.3.3 - Non-motorized mobility

- Investigate how non-motorized mobility is being assessed and encouraged in planning transport schemes in urban areas.

## MEMBERS

Total membership: 58 from 36 countries  
(29 active members from 20 countries)

Members: 37

Corresponding members: 17

Associate members: 4

## OUTPUTS

### INTERNATIONAL SEMINARS

- Improved Mobility in Urban Areas and Freight Transport and Intermodality (Santiago, Chile, 11-15 April 2011)

### TECHNICAL REPORTS

- "Integration of the different modes of transport"
- "Land use planning and road transport"
- "Non-motorized mobility"





# B.4 Freight Transport and Intermodality

## ISSUES AND STRATEGIES

### B.4.1 - Management of strategic freight corridors

- From case studies (including crossborder issues), analyse the favourable or non-favourable conditions required for the seamless transit of freight. Identify the possible remedial measures.

### B.4.2 - Interfaces of freight transport on roads with other modes

- From case studies involving different kinds of transport modes, review the aspects in the design and operation of interfaces which assist or are detrimental to the efficient and sustainable intermodal transport of freight.

### B.4.3 - Urban Freight Management

- From case studies, analyze the management of incoming freight and distribution of goods in congested urban areas. Focus on outcomes and evaluations of urban freight management schemes.

## MEMBERS

Total membership: 48 (32 countries)

Members: 29

Corresponding members: 17

Associate members: 2

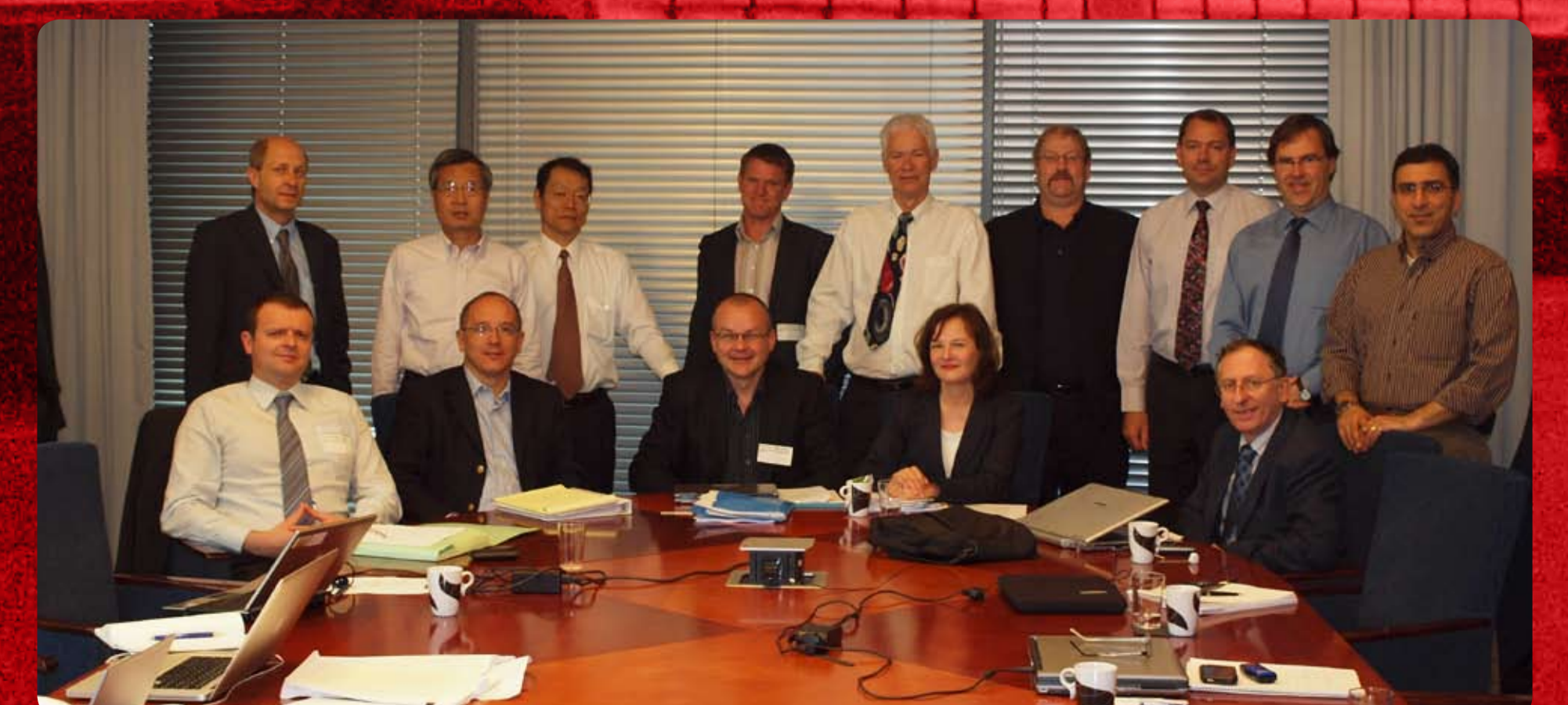
## OUTPUTS

### INTERNATIONAL SEMINARS

- Environment and Sustainable Transport (Timisoara, Romania, 16-18 September 2009)
- Improved Mobility in Urban Areas and Freight Transport and Inter-Modality (Santiago, Chile, 11-15 April 2011)

### TECHNICAL REPORTS

- Management of strategic freight corridors
- Intermodal freight terminals – challenges and good practice
- Public sector governance over urban freight transport





# B.5 Winter Service

## MEMBERS

Total membership: 63 (35 countries)

Members: 45

Corresponding members: 14

Associate members: 4

## ISSUES AND STRATEGIES

### B.5.1 - Improve winter maintenance and operation information systems

- Investigate information systems, including two-way information with road users.
- Study of Winter Service Management Systems

### B.5.2 - Provide sustainable winter maintenance

- Study of the full slate of social (safety), environmental and economic (cost-benefit) aspects required achieving 'sustainability' in winter maintenance.
- Identify impacts of climate change (changes in winter severity) on winter maintenance and on road infrastructure.

### B.5.3 - Share knowledge via the Winter Road Congress

### B.5.4 - Communication with road users

- Identify innovative approaches to inform and influence road users about winter operations and safe winter driving.



## OUTPUTS

### INTERNATIONAL SEMINARS

- Technical Solution for Sustainable Winter Service (Hrádec Kralové, Czech Republic, 7-9 October 2009)
- Management of Winter Service in an Extreme Continental Climate Country (Ulaanbaatar, Mongolia, 7-8 April 2011)

### PAPERS IN ROUTES/ROADS

- **No. 342:** "Information flow system for winter service". R. Nelson
- **No. 345:** "Introduction to the XIIIth International Winter Road Congress". G. Öberg, P. Pisano and selected papers submitted to the congress.
- **No. 346:** "Québec 2010 – XIIIth International Winter Road Congress: First time ever in America!" Bureau de Québec 2010
- **No. 346:** "General report of the XIIIth International Winter Road Congress – Québec City, February 8-11, 2010". Technical committee B.5

### TECHNICAL REPORTS

- "A Study of Winter Service Management Systems (WSMS) and Road User Information"
- "Sustainable Development and Winter Road Service"
- "Impact of Climate Change on Winter Service"
- "Communication with Road Users"

### OTHERS

- "Snow and Ice Data Book (3rd edition)," published in February 2010