

PROPOSAL FOR SPECIAL SESSIONS

IRF World Congress 2024

Connecting to Empower Mobility:
Roads as Enablers of a Sustainable Future for All

15 – 18 October 2024| Istanbul, Türkiye

The deadline for submitting session details is **24 June 2024**. Please **complete this form** and **send it to IRF2024@irfnet.ch**.

Organiser: PIARC – Technical Committee 2.3 on Freight

Persons responsible for this session:

Bernard Jacob, Université Gustave Eiffel, bernard.jacob@univ-eiffel.fr

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Title of the session: Freight vehicle permitting and road or bridges access regulation

Session description (350 words max):

Road sustainability relies in particular on vehicle's compliance with weight and size limits that were used for infrastructure design. Enforcement of weights and dimensions and access monitoring and permit are necessary to ensure such a compliance.

Several solutions have been investigated, tested or implemented around the World. Heavy good vehicle (HGV) monitoring and overloads detection or direct enforcement by weigh-in-motion (WIM) are among the most common deployed measures. Company profiling and admonition as preventive and dissuasive measures are under developments in some countries. Driver and company (carriers, shippers) managers training also contribute to better involve the stakeholders.

Access regulation by Intelligent Access Program (digital tools) and special permits monitoring and tracking are tools for infrastructure owners and managers and regulators. In some but rare cases, above all for large and sensitive infrastructure such as long span bridges, physical barriers may be installed to stop highly overloaded vehicles, or accumulation of too many heavy vehicles.

The relevant solutions vary depending on the type of infrastructure to protect, on the traffic condition and heavy vehicles' characteristics. The problem solving is quite different for bridges or pavements.

The session will present different issues, as well as solutions and experiences tackling these critical issues, both in developed countries and LMICs.

Proposed format: 90 minutes: introduction + 5 x 10' to 15' presentations + Q&A

Chair (Moderator): Olivier Quoy, Atlandes, France, TC 2.3 Chair

Time: 16 October, 2:00 PM ~ 3:30 PM

Programme :

Time	Topic / Presentation Title	Proposed Speakers (chair / moderator / speaker)
	Mitigation of Bridge Collapse under high Overloads	Bernard JACOB (France)
	Truck Access Regulation on Motorway and Weight Enforcement	Presenters to be confirmed (China)
	Oversize / Overweight permitting	Paolo FEDERICO (Italy)
	Intelligent Access Program and permitting	David SHEPHERD (Australia)
	Impact of overload and mitigation measures in LMICs	Caroline MAYS (USA) with members to be confirmed (Jason LOWE – South Africa)

Q&A with the audience after the presentations