



**Economic and Social
Council**

Distr.
GENERAL

TRANS/AC.7/2000/5
3 May 2000

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Ad hoc Meeting of the Multidisciplinary
Group of Experts on Safety in Tunnels
(First session, 10-11 July 2000,
agenda item 6)

DRAFT QUESTIONNAIRE ON SAFETY IN ROAD TUNNELS

Note by the secretariat

This document contains a draft questionnaire prepared by the secretariat for tunnel data collection. The group may wish to amend this draft questionnaire and adopt its final version, which will be sent subsequently to countries. Their replies could be used to prepare the inventory of tunnels foreseen in the Terms of Reference for the Group.

DRAFT QUESTIONNAIRE ON SAFETY IN ROAD TUNNELS

Country:.....

Part A. General

1. Is there any specific legislation on road safety in tunnels in your country? If yes, please specify
.....
.....

2. Do you consider national regulations related to safety in road tunnels sufficient?
.....
.....

3. Is your road/tunnel authority considering any changes in national traffic regulations and signs, signals and markings relevant to road tunnels in order to increase the level of safety in tunnels?
.....

4. Is there any specific methodology for risk assessment and risk management for tunnels in your country?
.....
.....
.....

5. Does your country classify road tunnels, or envisage to do so in future, by the risk of accident associated with them?
.....

Part B. Tunnel data
(Tunnels of 1000 m in length and more)

Infrastructure

1. Name/location of the tunnel (border, nearest city), E road number
.....
.....
2. Length of the tunnel
3. Type (one tube two-directional, two tubes unidirectional, etc.)
.....
4. Number/width of lanes
.....
5. Year of opening of the tunnel

Traffic

6. Average daily traffic (ADT)
7. Composition of traffic (percentage of passenger/goods vehicles)
.....
8. Approximate percentage of vehicles carrying dangerous goods

Tunnel Management

9. Ownership of the tunnel and authority operating the tunnel (does this tunnel belong to your country or also to the neighbouring country, if it is a border tunnel? Is it a joint authority? State owned, private?)
.....
.....
.....
10. Brief description of systems in place in the tunnel (fire/smoke detection/control, ventilation, vehicle breakdown warning, evacuation, communications, etc.)
.....
.....
.....
.....
.....
.....
.....
.....

Brief evaluation of the tunnel

11. Do you consider traffic signs, signals and markings before, inside and after this tunnel appropriate?

12. Do you consider the systems in the tunnel efficient?

13. Have any changes been made to the tunnel following the accident?

14. Are there any modification plans for this tunnel?

Part C. Major accidents in the tunnel in the last 40 years

| Nature/type of accident (fire, one/two vehicle collision, etc.) and year | Cause of accident, if officially established | Number of casualties (dead, injured) | Material losses (vehicle, freight, structure, lost toll revenues) | Duration of interruption of traffic due to the accident | Remarks |
|--|--|--------------------------------------|---|---|---------|
| | | | | | |
| | | | | | |
| | | | | | |
