

EUROPEAN FORUM OF ROAD TUNNEL SAFETY OFFICERS

4 & 5 November 2009

TRAINING OF OPERATIONAL STAFF and EMERGENCY SERVICES MAINTENANCE OF TUNNEL STRUCTURE





What does specify this directive ?

- Verifying that operational staff and emergency services are trained and they shall take part in the organisation of exercises hold at regular intervals ;
- Verifying that the tunnel structures are maintained and repaired.







The law n°2006 – 1354 and its « arrêté » of 8 November 2006 has transposed the European Directive.

Verifying that training programs are established and implemented for the operational staff and emergency services ;

Verifying that the procedures of maintenance and repair of the structure and the equipments of works are established and implemented.





French transposition

First observation : the French interpretation is slightly different.

Training of operational staff and emergency services : the French law only talks about the existence and the implementation of the training programme

Procedures of maintenance and repair of the structure: the French law, as previously, only talks about the maintenance programme.





On the A8 in the South East of France

1. Training of operational staff and emergency services

Determining the concerned actors :

- Operators ;
- Fire-brigades ;
- Police ;
- Rescue teams;
- Breakdown mechanic.



Gathering following information :

- Organisation of the management of every services ;
- Allocated budget to training ; and determining who is responsible for this budget ;
- Determining staff who are implicated according to their activity and role ;
- Listing the training process
 - Which kind of training : theoretical, practical method, shadowing, workplace adaptation;
 - What are attestation process : evaluation of staff by their line managers ; exams (knowledge testing) ; length of training validity (renewal).
 - How is attestation formalized : attestation book.



Following through training :

Ensuring by indirect means that staff have attended obligatory training course and ensuring the relevant documents are being carried by the staff and management in question.

Recommendations (Advice)

Possibly the Tunnel Safety Officer can write some recommendations with the difficulty of determining a limit.





- 2. Maintenance of tunnel structures
- Gathering the list of equipments
 - For example : ventilation fans, lighting, monitoring and alarm systems, cctv, radio, phone, , scada, generators, cable networks, …
- Verifying types of maintenance task :
 - Routine visual / audio inspection checks ;
 - Routine test procedures ;
 - Minor preventive maintenance tasks ;
 - Major preventive maintenance tasks ;
 - Major over haul / refurbishment





The work I did for the verification of training of operational staff was important :

- You have to meet every managers ;
- You must obtain all the documents (it is not easy sometimes)
- Which recommendations can we do ?

Maintenance of tunnel structure :

- This work is very difficult and we need to be specialist in every technology (is it possible ?);
- My work was to obtain the maintenance plan and verify if it is implemented.

