

Workshop 18th of March, Berlin Mass Transportation

outlook of the French Ministry of Transportation

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Ressources, territoires et habitats
Énergie et climat
Prévention des risques
Développement durable
Infrastructures, transports et mer

Présent
pour
l'avenir

Ministry of Ecology, Energy, Sustainable Development
and Town and Country Planning

Directorate General for Infrastructure, Transport and Sea / Security and Defense Division

Content of the presentation

- 1) Ministry of transportation : security and defense division
- 2) Ongoing actions in Mass Transportation
- 3) Highlight of the issues
- 4) How to protect
- 5) Area indentation
- 6) Reminder
- 7) French project of experimental station in explosive detection

1. Security and Defense Division in the French Ministry of Transportation

Short overview of our division :

- Ministry of Transportation : sustainable development ;
- Security and Defense Division :
 - Security, malicious attacks, terrorism ;
 - Sea transportation means ;
 - Road transportation ;
 - Urban transportation (bus, lightrail, subway) ;
 - Rail ;
 - Pax, goods, infrastructures ;
- Colleagues in aviation, in observatory of delinquency ;
- With other Ministries (homeland security office, defense, research...) ;
- Professionnal organizations (RATP, SNCF...).

2. Security in Mass Transportation : Ongoing actions

- Video surveillance ;
- Coordination with delinquency and safety ;
- Business continuity plan (decontamination after CBRN attack) ;
- Experimentations on new technologies (Radiological sensors) ;
- IWGLTS : international working group on land transport security : exchange of best practices.



3. Mass transportation : highlights

- Field of the threat :

delinquency < malicious attacks < terrorism

(suspect package, bombing, suicide attack, simultaneous attacks);

- CBRN-E ;

- characteristics : open system, in the city ;

- interconnection station

(multi modal station)

- Cultural symbol ;
- Hub (key point) ;
- Shopping center ;

--> heavy and continuous pax flow ;

(RER A in Paris : >1 Million pax / day)

--> bottlenecks (e.g when punching tickets) ;

--> multiple and open access.



3. Mass transportation : highlights (2)

Various means of transportation
= different ways to protect it

- Subway ;
- Lightrail, bus ;
- Commuter / Regional train ;
- Long distance / International train.



- numerous operators ;
- competition between modes / operators ;
- consistency, uniformity of the protection ;
- organization between a lot of different actors.

3. Mass transportation : highlights (3)

- juridical issues (individual liberties, « *Big Brother* ») ;
- first aid after attack, crisis management ;
- **traffic recovery**, operating restart conditions (decontamination threshold).



4. How to protect : architecture

- intelligence service ;
- deterrence (video surveillance, patrol, dogs, random, police checking, decoy, tag with name on luggage, nominative tickets, left luggage lockers, alertness of pax) ;
- **detection** (permanent and mobile equipments)
--> pax flow, reliable, harmless (regarding Nuclear), automatic, easy maintenance, costs ;
- **neutralization** :
 - legal aspects ;
 - arresting suspects without explosion :
 - Tracking ;
 - Police squad (enough and on-the-go) ;
 - Interpellation technics + isolation ;
 - defusing the bombing device ;
 - containing the explosion ;
 - evacuation without massive panic.

5. *area indentation*

- goal : to arrest a suspect as early as possible ;
 - very high traffic flow, station dimensions ;
 - stations are unique, but based on the same pattern
- > area indentation.



6. To keep in mind...

- operationnal issues (open access, high pax trafic) ;
- detection technics (therefore --> costs) ;
- **operational organization ;**
- **traffic recovery.**



7. *Experimental station*

- Context : French task group created after terrorist attacks in Madrid (2004) and in London (2005) ;
- Necessity to coordinate all the protagonists (Ministries of Transportation, Defense, homeland, laboratories, operators of Mass transportation) ;
- Focus on CBRN-E threat in an underground station with 2 different operators ;
- Inherent difficulties with urban mass transportation ;
- Area indentation.



Experimental station (2)

- Integrated project over several years ;
- Main objective :
organizational aspects and procedures ;
- A lot of technics could be tested ;
- In a subway station.



Experimental station (4)

Actions :

- step by step : building a complete protection architecture.
- this year : two test campaigns could be planned



Thank you for your attention...

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