



● Nuclear/Radiological Emergency Preparedness Issues

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TREN H4
Radiation protection

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● Legal framework for Community preparedness for nuclear emergencies

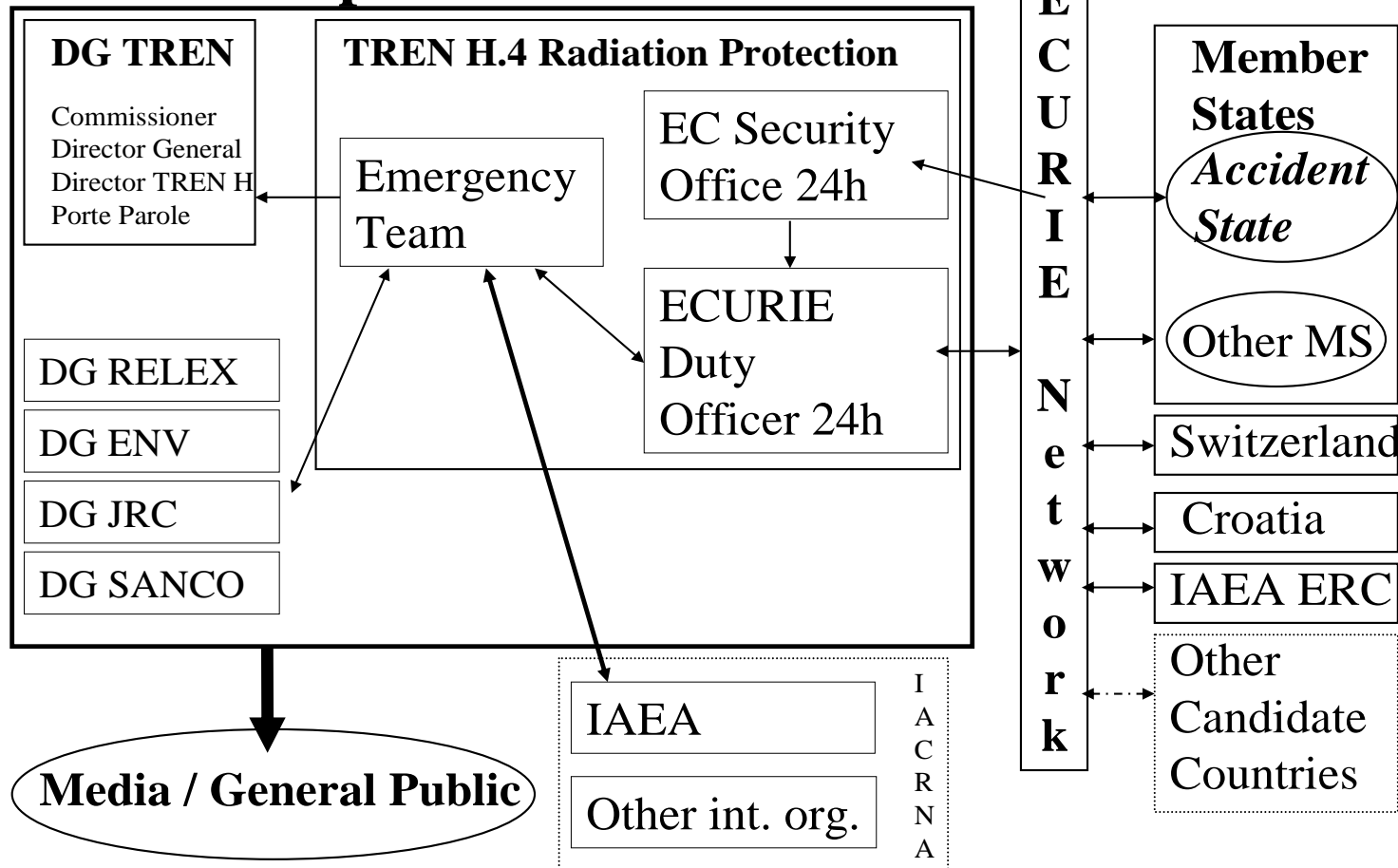
- EURATOM treaty is the legal basis for all Community radiation protection competence
- Derived legislation:
 - » Directive on EU Basic Safety Standards
 - » Council Decision on early exchange of information
 - » Directive on emergency foodstuffs regulations
 - » Directives on information to the public

● Commission role in a radiological emergency

- *In legal terms* the Commission has a limited role in a radiological emergency situation:
 - » Early exchange of information (ECURIE)
 - » Community emergency foodstuff regulations
- *In practise* the Commission will also face the following tasks:
 - » Information to the public through the media
 - » Respond to information and assistance requests
 - » Preparation for political action

Information flow within the EU during a radiological emergency

European Commission



● EU operational radiological emergency systems

- **ECURIE**
 - » Alerting and urgent information exchange
- **EURDEP**
 - » Automatic exchange of radiation monitoring data
- **ENSEMBLE**
 - » Long-range atmospheric dispersion forecasting
- **RODOS**
 - » Decision support for radiological emergencies



EU Research in the area

- EURANOS project 2005-2009
 - » Development of the RODOS system
 - » Development of handbooks
 - Management of contaminated food production systems
 - Management of contaminated inhabited areas
 - » Demonstration activities
 - » Training activities
- TMT handbook development project
 - » Triage, Monitoring and Treatment of people exposed to radiation following a malevolent act

Other relevant activities

- IAEA RANET network
 - » International network of radiological emergency response assets
- EU research on Iodine prophylaxis
 - » Compile national practices and assess harmonization possibilities
- CBRN task force (EC DG JLS)
 - » Radio-nuclear subgroup
- Radiation source control activities
 - » IAEA, GICNT, EU (HASS)
- International emergency exercises
 - » ConvEx-3 on 9-10 July 2008

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