



The french crisis management organisation in case of nuclear security event



Regulatory conference
« Nuclear security events session »
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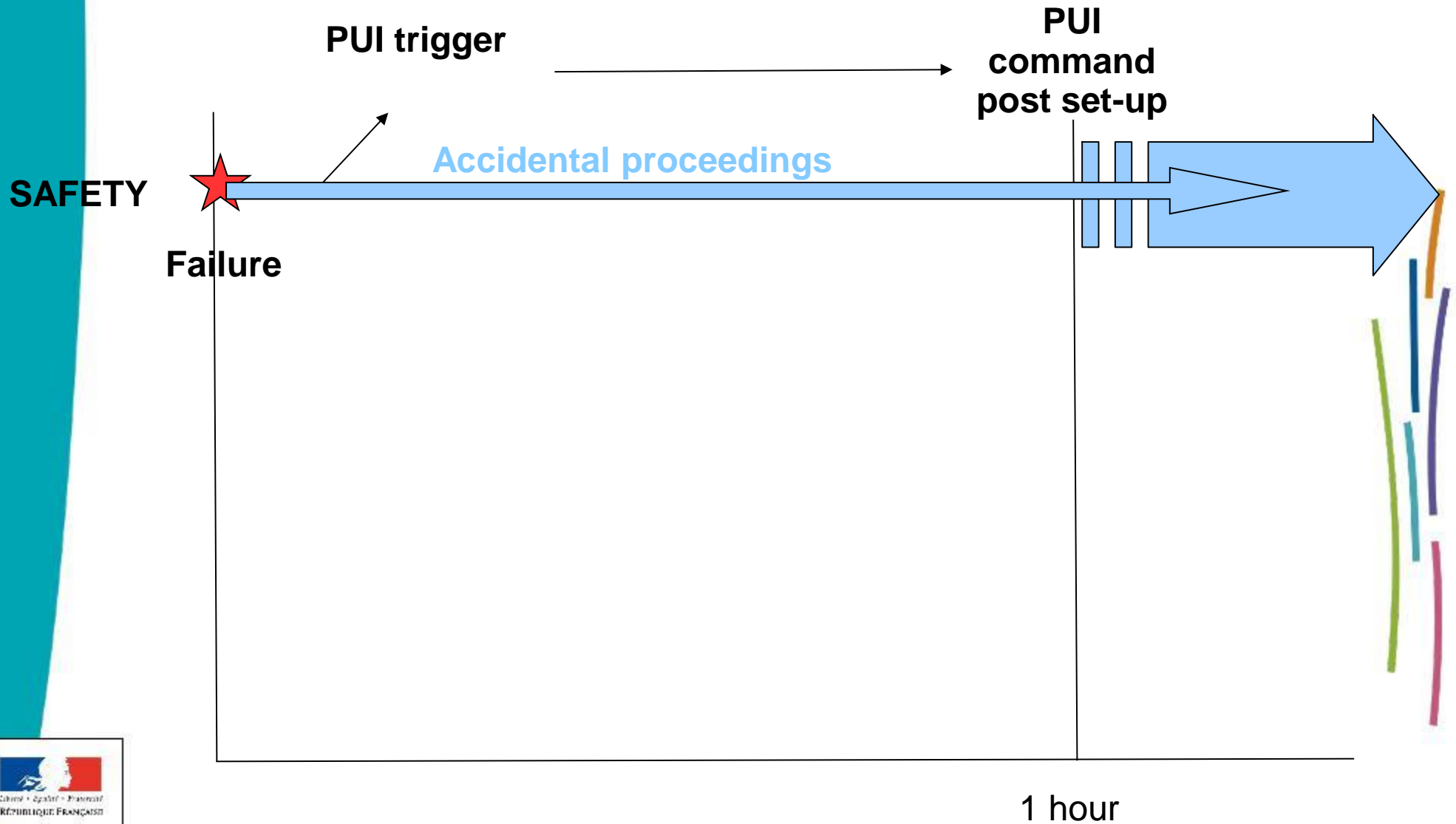
Ministère de l'Écologie, du Développement durable et de l'Énergie



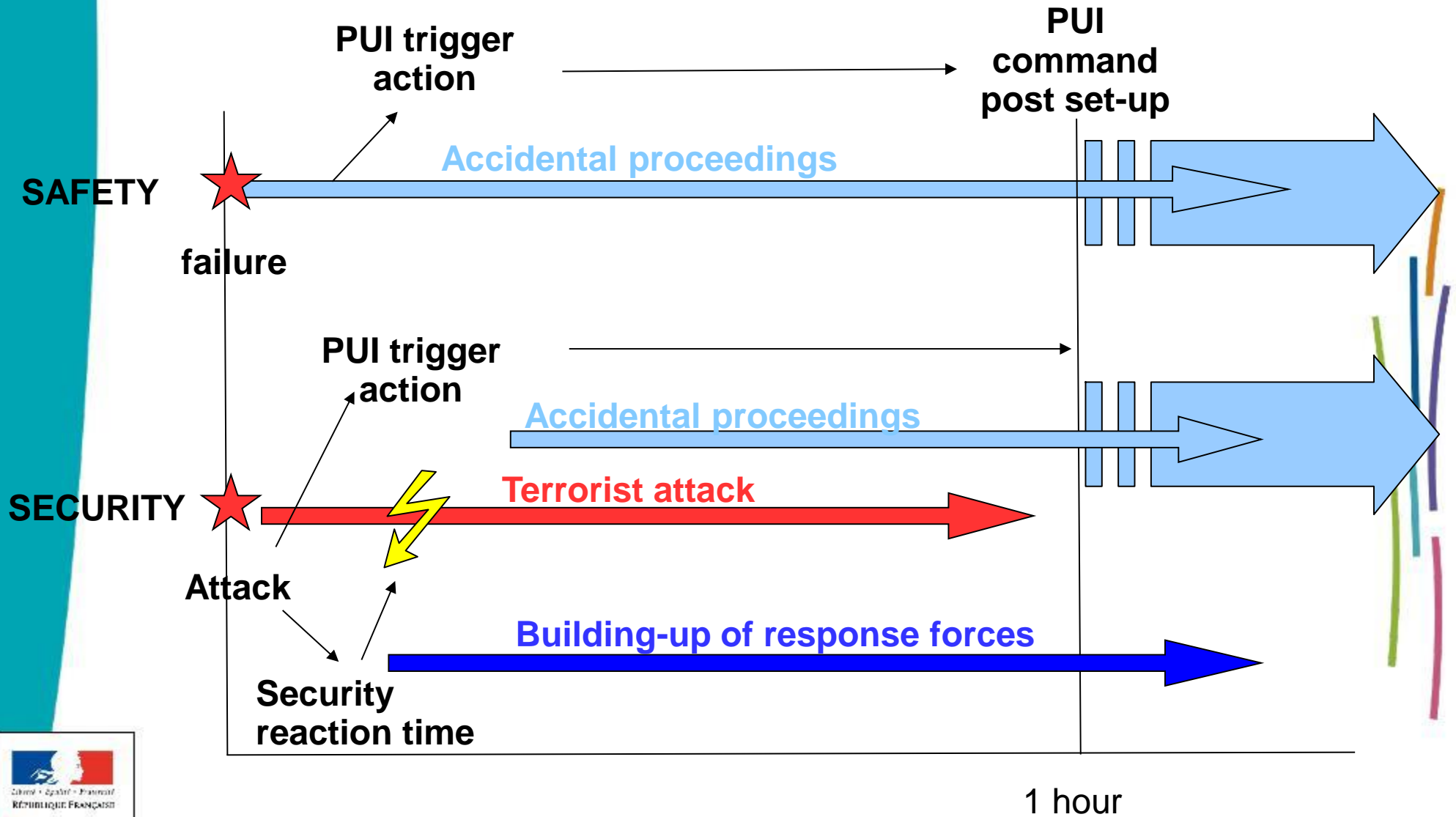
Overview

1. Nuclear crisis kinetic scale
1. Operator's & state's complementary responsibility
1. Regulation requirements on operators
1. Nuclear crisis management, organisation & plans
1. Train through exercises

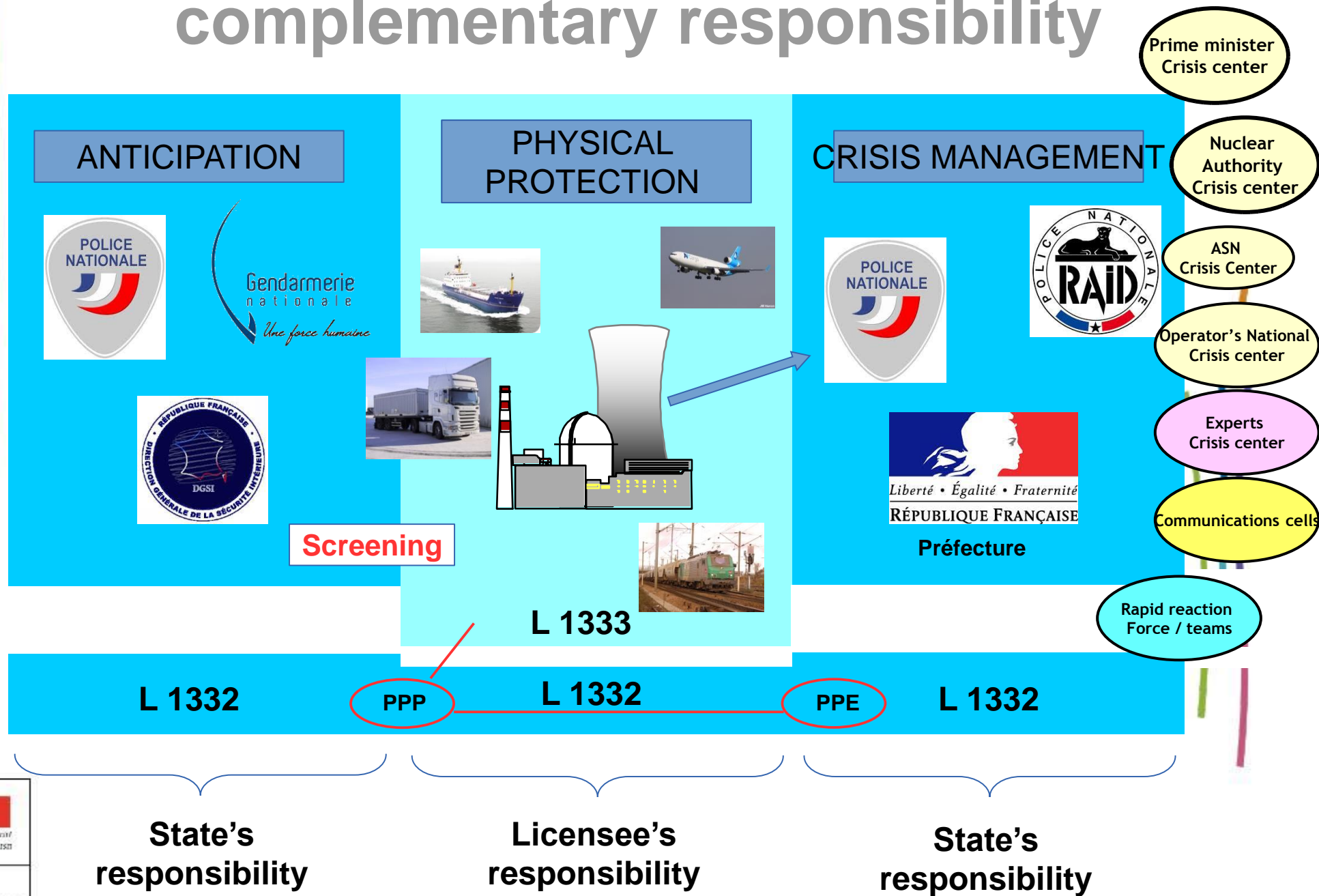
1 – kinetic aggression momentum



1 – kinetic aggression momentum



2 – Licensee's and state's complementary responsibility



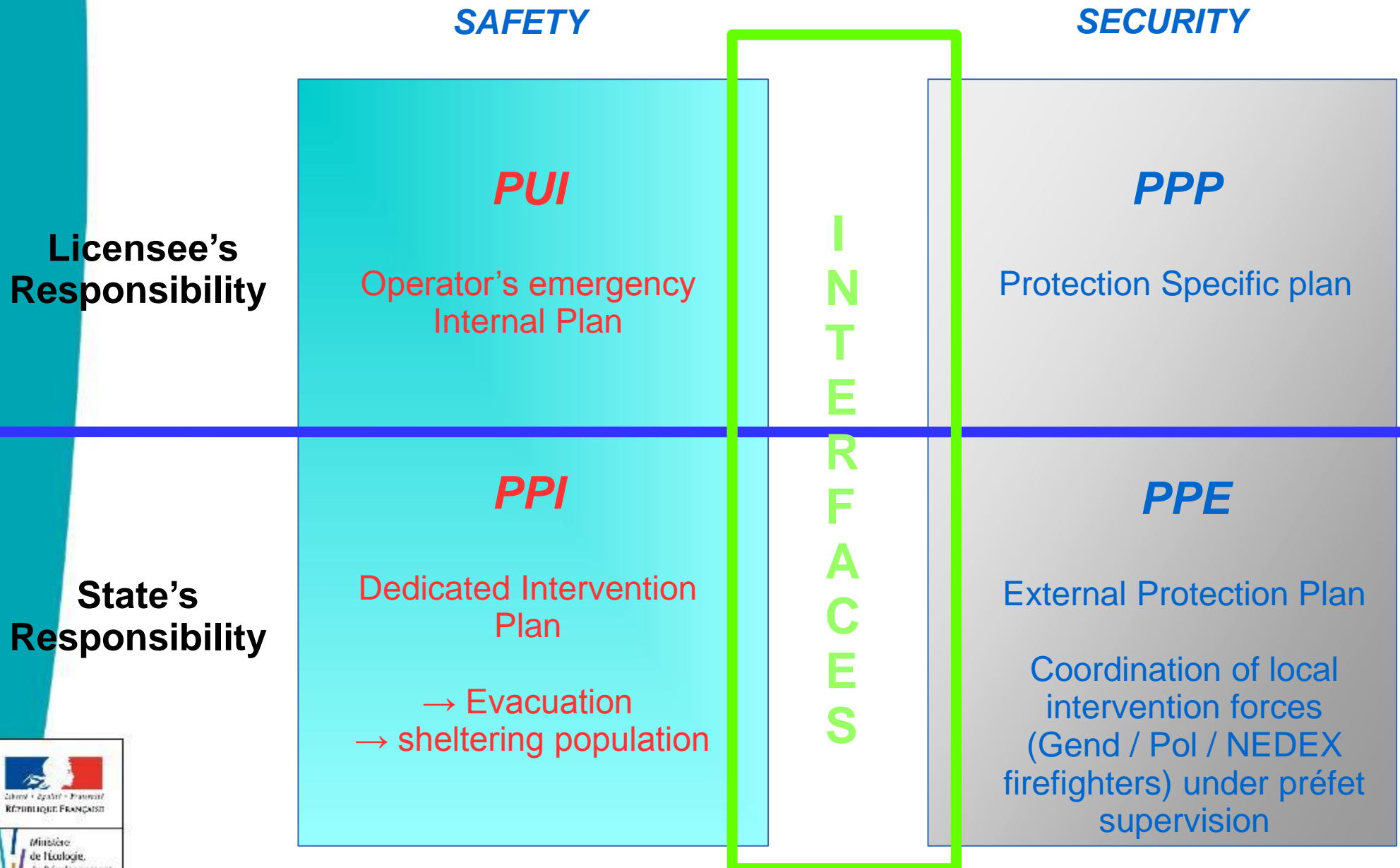
State's responsibility

Licensee's responsibility

State's responsibility



2 – Nuclear crisis plans



3 – Security regulation requirements on nuclear operators (1/2)

- French set of regulation meets international requirements (UN resolution, CPPMN) and best practise (IAEA security series texts)
 - CPPMN : July 8th 2005 amendment regarding sabotage (ratified by France)
 - INFCIRC 225 / rev 5 / (2011) :
 - Countries' DBT

- **Prime minister Nuclear Security Directive**

- **LAW : French Defence code – article L 1333-1 and followings**
 - **Renewed Septembre 17th, 2009 decree n° 2009-1120 on « Nuclear Material Protection Control in Facilities & during Transports) – décret PCMNIT –**
 - **12 specific security « Orders » for :**
 - Transport or operating licences / Physical protection
 - Transport / Vehicle agreements / night stops
 - Expert committee groups / Accountability / small detentors



3 - Security regulation requirements on nuclear operators (2/2)

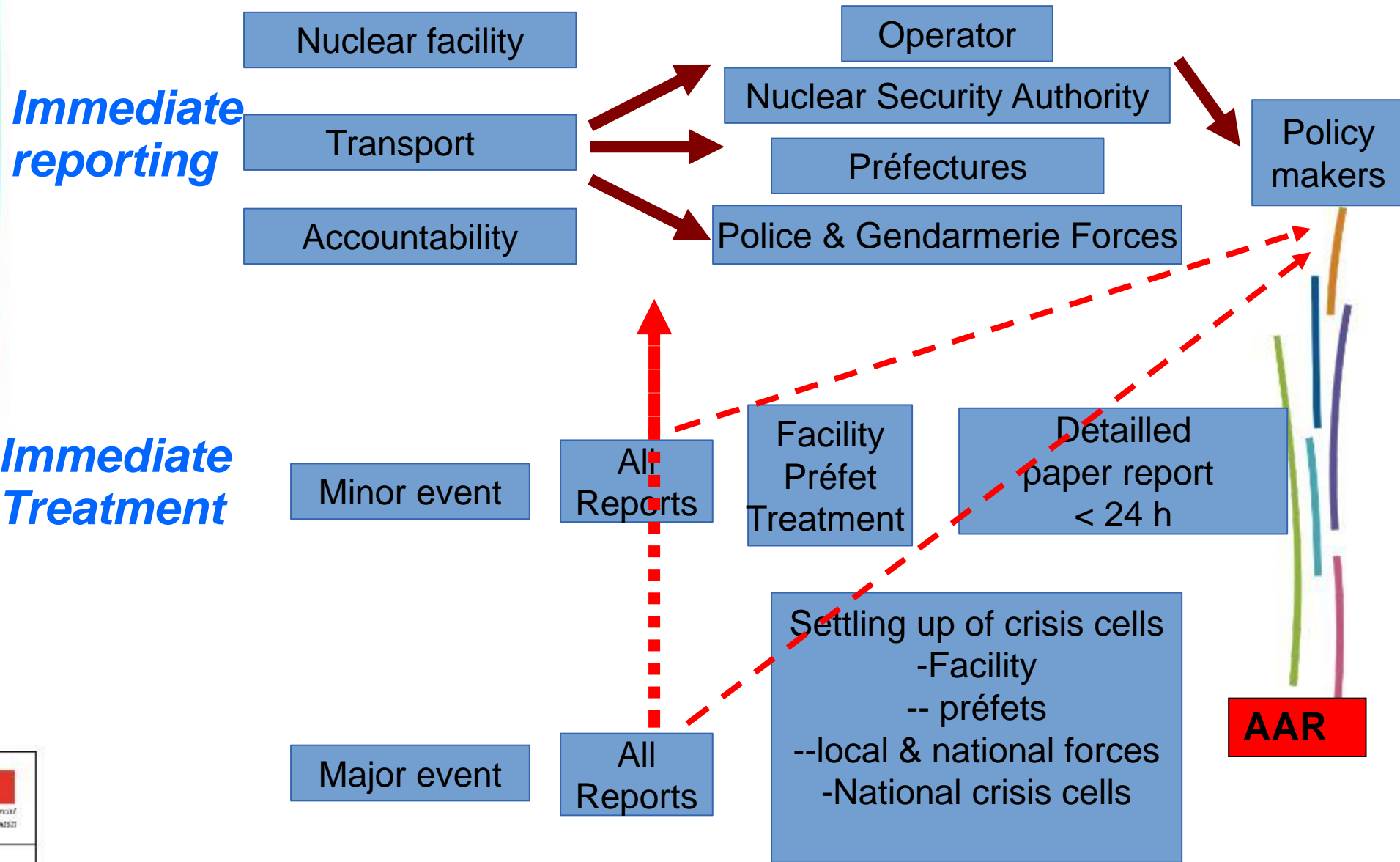
- **Licences orders detailing :**
 - Nuclear activities and facilities
 - PP of NM and operating system
 - under normal operating conditions / downgraded situations
 - Specific training and exercising
 - Organisation of dedicated accountability dispositions
 - Security plans and interfaces with states means

- **Physical Protection order detailing**
 - Specific layout of PP regarding NM detained
 - Implementation of PP zones with proper equipments,

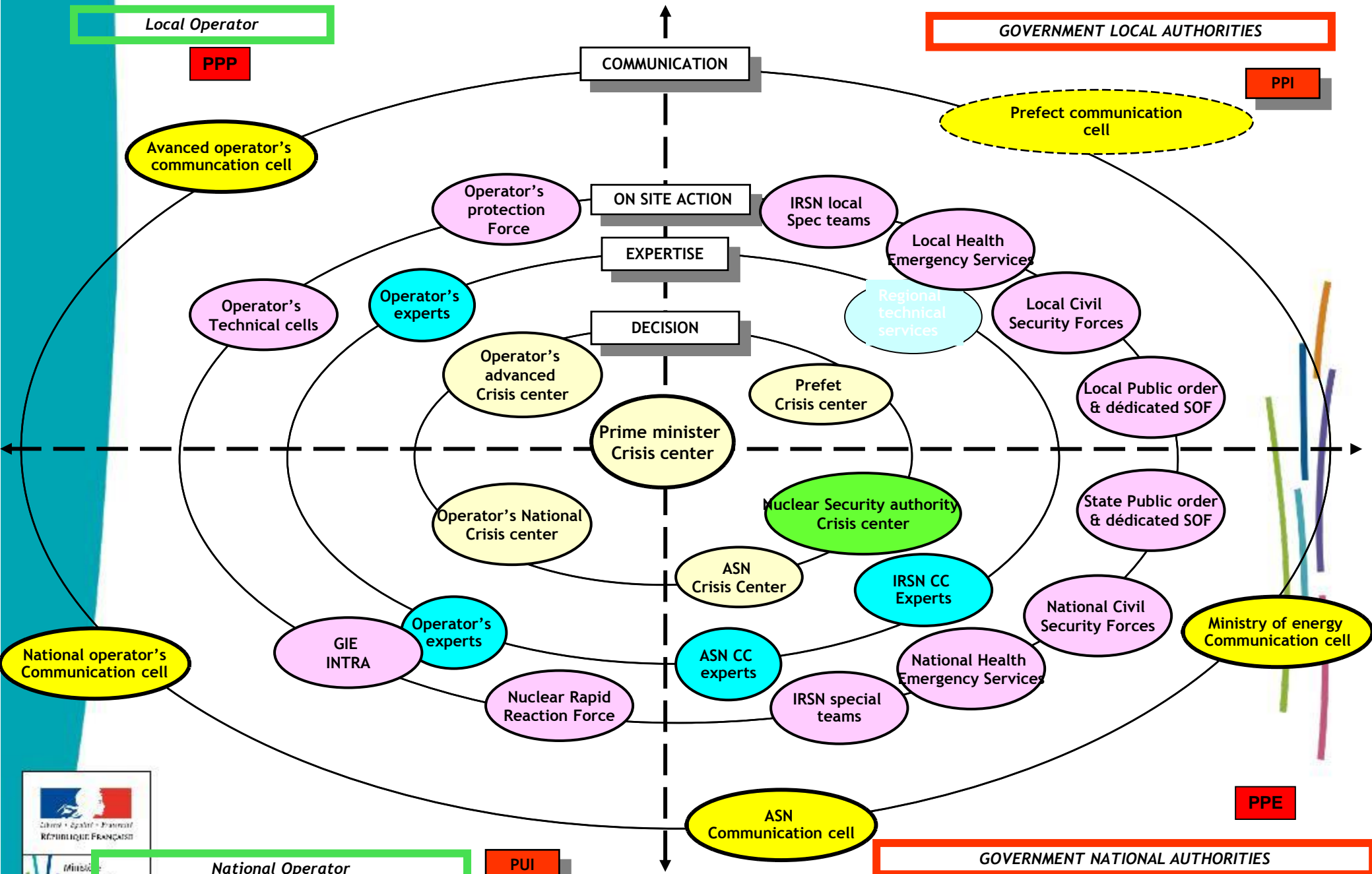
- **Accountability order detailing**
 - Accountability
 - suivi physique
 - Transfers and mouvements



4 – Nuclear crisis management



4 – Nuclear crisis organisation



4 – Three levels of security exercises

- Training vs Exercises :

- Training : individual technical skill, tactical processes (< PS Team)

- Exercise : collective answer of all ready trained persons (> PS Team)

- Three level of exercises :

- Tactical : **Level 1**

- Operative : **Level 2 (+ State forces)**

- Strategic : **Level 3 (state organised)**



4 – An appropriate report status

- Licencees' report to authority -

ANNEXE - CEA (SECURITE PROTECTION PHYSIQUE)								
Exercice annuel avec FSI (autre que PSPG)								
Exercices Trimestriels (dont le PSPG, partie de la réponse due par l'opérateur)								
Installations		Dates	Référence	Objectifs	Constats	Enseignements	Axes d'amélioration	Échéances / mesures prises
	1° Trimestre							
	2° Trimestre							
	3° Trimestre							
	4° Trimestre							

Facility

Terms
Dates

Facts
observed

Security
Improvement
proposed

Exercice / theme
Scenario
DBT threat level

Main
lessons
learned

Improvement
implementation
date



4 – Three types of states organised security exercises (**level 3**)

In three different areas (**state organised**)

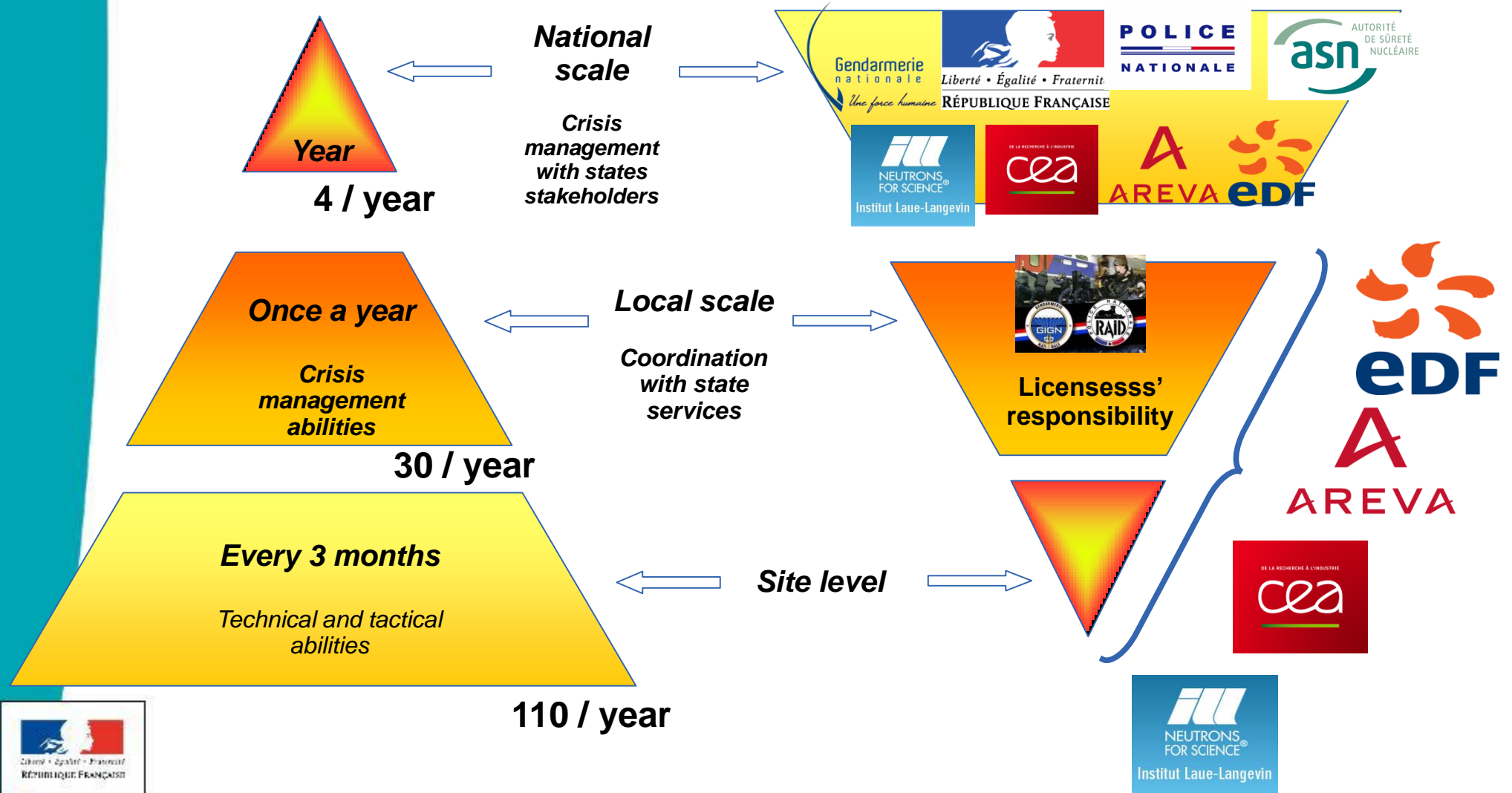
- Transports : **At State nuclear security authority level (France)**
- Inventory accounting : **in a crisis situation environment (site)**
- Facilities : **EPEES (regional) More than 300 people involved**



As a summary

NUMBER OF EXERCISES

EXERCICES PLAYERS & STAKEHOLDERS



Montage Vidéo (3')





**Thank you for
your attention**

