



Definition and access to restricted areas regarding radiation protection issues

The innovative expertise process launched by the French Safety Authority

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The RP “zoning” legal framework in France

E : potential effective dose (mSv) in 1 hr (both external & internal)

DR : dose rate (mSv/h)

H : equivalent dose (mSv) in 1 hr

Regulated areas					
Specially regulated areas					
Individual dosimetry :	passive	active & passive			
Radiological surveillance for zones adjoining regulated areas < 80 μSv/month for workers on site	Whole body				
	Supervised area	Controlled area	Controlled area	Controlled area	Controlled area
		green	yellow	orange	red
	E<7,5 μSv	E<25 μSv	E<2 mSv DR<2 mSv/h	E<100 mSv DR<100 mSv/h	E>100 mSv
				Forbidden zone	
			No temporary contracts		
	Extremities				
	H< 0,2 mSv	H<0,65 mSv	H<50 mSv	H<2500 mSv	H> 2500 mSv

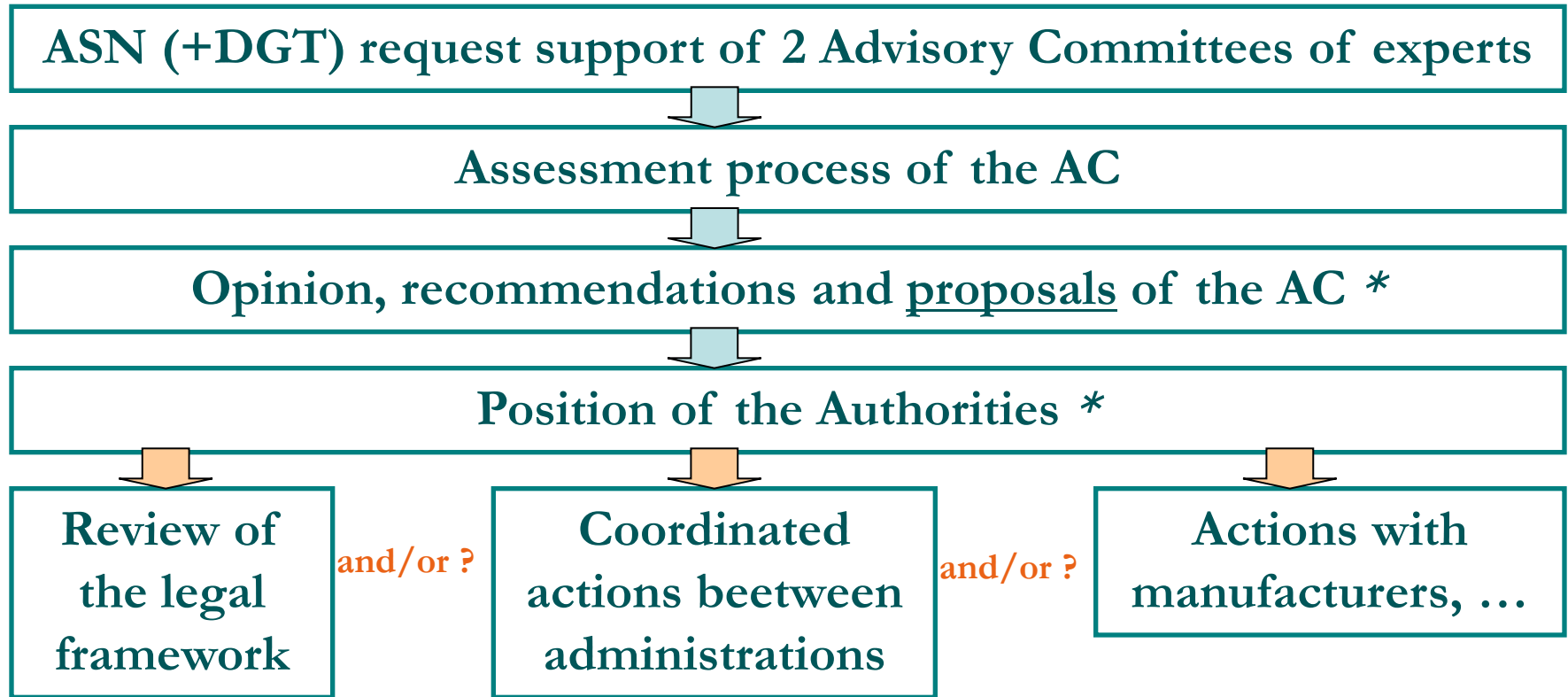
Why questioning RP “zoning” legal framework ?

- **2003 : Decree 2003-296** (*implemented in the labour code*) :
 - major changes in the RP legal framework
 - first common requirements, regardless of the activity sector (NPP, hospital, ...)
 - detailed for zoning in 2006 by an Order

- **2011 : Prospective assessment process of the overall french RP legal framework :**
 - anticipation (project of European BSS)
 - experience feedback (for the zoning item, for example : problems to implement rules in the medical field, « hot spots », ...)



Expertise process launched by the French Safety Authority (ASN) jointly with the General Directorate of Labour (DGT)



** should be published on the ASN's website by the end of 2012 (simultaneously)*



Why considering this expertise process as innovative ?

➤ Advisory Comitees has to :

- elaborate a survey of national and *international* operational practices
- *propose* one or several regulatory systems in order to define and manage the access to regulated areas

➤ Actions :

- Creation of a task group « GT-Zonage » among the Advisory Comitees
- Submission of a feedback form (designed for operational actors in every activity sectors : medical, industrial, nuclear, transport...)
- Organization of a national seminary that brought together about 200 persons (see : <http://www.colloque-zonage-radiologique.org/mitizi/>)
- Requirement of the support of CEPN to compare international practices regarding regulated areas (regulations/practices, comparison,

➤ *See the wide study of international practices carried out by the CEPN in Belgium, Finland, Spain, Sweden, Switzerland, the United Kingdom and the USA*

⇒ *Slides hereafter*

Speaker : Caroline Schieber (CEPN)

Thank you for your attention