Regulatory framework and inspections
French Experience

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ASN Establishment
The Act on transparency and security in the nuclear field
(n° 2006-686 of 13 June 2006) set up ASN as an independent
administrative authority

- ASN is not within a ministry but is a State Authority
- ASN reports to the French Parliament
- ASN is managed by a board of 5 Commissioners created
by the TSN act

On behalf of the State, ASN regulates nuclear safety and radiation
protection in order to protect workers, patients, the public and the
environment in France against the risks related to nuclear activities.

ASN Figures in 2014
- 475 staff: industrial and medical engineers,
physicians, pharmacists, radiographers, physicists,
legal and administrative specialists, human sciences
and communications experts
=> 11 regional offices
- ~ 400 experts within ASN’s TSO
Institute for Radiation Protection and Nuclear Safety

Authorisation process

<table>
<thead>
<tr>
<th>LICENSING PROCEDURE FOR:</th>
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<tr>
<td>Radiotherapy</td>
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<tr>
<td>Nuclear medicine</td>
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<td>Computed tomography</td>
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REGISTRATION PROCEDURE FOR:
- Conventional radiology,
- Bone densitometry,
- Mammography,
- Dental radiology (Intra-oral, panoramic dental radiography, cone beam computed tomography)
- Interventional radiology

Authorisation process : CT

Justification:
- Diploma / qualification of doctors (holder of the license)
- CV, experience

Optimisation (medical exposure):
- Diploma / qualification of physicist, CT experience
- Plan for medical radiation physics resources / staffing and skills
- Contract with a service provider
- External quality control of equipment (approved organism)

Optimisation (occupational exposure):
- Qualification of RP/RPE
- Technical rules for fitting out CT
- Radiation protection program: risk assessment, zoning, dosimetry, categorisation of workers, dose assessment, report of external audits, training, measuring instruments...

Inspections in 2014
In 2014, ASN performed approximately 600 inspections in medical facilities / 340 in diagnostic radiology

Breakdown per activity category of 1189 inspections carried out in the small-scale nuclear facilities

[Medical-582; Industrial-536; Others-13]

Conventional and dental
- CT 193
- Intervventional radiology 145
Inspection process in diagnostic radiology

- Interventional radiology
- Computed tomography
- Teleradiology
- Cone beam CT / panoramic
- Conventional radiology
- Dental radiology

Criteria of prioritization

- Number of exams
- Exam with high dose for patient or worker (based on a list)
- Lack of medical physicists
- Facilities which haven’t performed their quality control
- Or sent their DRL

Graded approach

Based on a questionnaire (list of documents have to be sent back to ASN) => inspection if no answer or weaknesses

Thank you for your attention