



THE FRENCH NUCLEAR SAFETY AUTHORITY

Roles
Operations
Key figures

ASN was created by the 13 June 2006 Nuclear Security and Transparency Act. It is an independent administrative Authority responsible for regulating civil nuclear activities in France.

On behalf of the State, ASN ensures the oversight of nuclear safety and radiation protection to protect people and the environment. It informs the public and contributes to enlightened societal choices.

ASN decides and acts with rigour and discernment: its aim is to exercise oversight that is recognised by the citizens and regarded internationally as a benchmark for good practice.

ROLES

REGULATING

ASN contributes to drafting regulations, by submitting its opinion to the Government on draft Decrees and Ministerial Orders, and by issuing technical regulations. It ensures that the regulations are clear, accessible and proportionate to the safety issues.

AUTHORISING

ASN examines all individual authorisation applications for nuclear facilities. It can grant all licenses and authorisations, with the exception of major authorisations for Basic Nuclear Installations (BNIs), such as creation and decommissioning. ASN also issues the licenses provided for in the Public Health Code concerning small-scale nuclear activities and issues licenses or approvals for radioactive substances transport operations.

MONITORING

ASN is responsible for ensuring compliance with the rules and requirements applicable to the facilities and activities within its field of competence. Since the Energy Transition for Green Growth Act of 17 August 2015, ASN's roles now include protecting ionising radioactive sources against malicious acts. Inspection is ASN's primary monitoring activity. More than 1,500 inspections were thus performed in 2020 in the fields of nuclear safety and radiation protection.

ASN has graded enforcement and penalty powers (formal notice, administrative fines, daily fines, ability to carry out seizure, take samples or require payment of a guarantee, etc.). The administrative fine is the competence of the Administrative Enforcement Committee within ASN, which complies with the principle of the separation of the examination and sentencing functions.

INFORMING

ASN reports on its activities to Parliament. It informs the public and the stakeholders (environmental protection associations, Local Information Committees, media, etc.) about its activities and the state of nuclear safety and radiation protection in France. ASN enables all members of the public to take part in the drafting of its decisions with an impact on the environment. It supports the actions of the Local Information Committees of the nuclear facilities.

The website *asn.fr* is ASN's main information channel.

IN EMERGENCY SITUATIONS

ASN monitors the steps taken by the licensee to make the facility safe. It informs the public and its foreign counterparts of the situation. ASN assists the Government. More particularly, it sends the competent Authorities its recommendations regarding the civil security measures to be taken.

REGULATION AND MONITORING OF DIVERSIFIED ACTIVITIES AND FACILITIES

Nuclear power plants, radioactive waste management, fabrication and reprocessing of nuclear fuel, packages of radioactive substances, medical facilities, research laboratories, industrial activities, etc. ASN monitors and regulates an extremely varied range of activities and facilities.

This regulation covers:

- 56 nuclear reactors⁽¹⁾ producing 70% of the electricity consumed in France, as well as the Flamanville EPR reactor under construction;
- about 80 other facilities participating in civil research activities, radioactive waste management activities or "fuel cycle" activities;
- more than thirty or so facilities which have been finally shut down or are being decommissioned;
- several thousand facilities or activities using sources of ionising radiation for medical, industrial or research purposes;
- several hundred thousand shipments of radioactive substances performed annually in France.

EXPERT SUPPORT

When drawing up its decisions and regulations, ASN calls on outside technical expertise, in particular that of the French Institute for Radiation Protection and Nuclear Safety (IRSN). The ASN Chairman is a member of the IRSN Board. ASN also calls on the opinions and recommendations of its eight Advisory Committees of Experts, who come from a variety of scientific and technical backgrounds.

* As at 30 June 2020.

OPERATIONS

THE COMMISSION

The Commission defines ASN's general policy regarding nuclear safety and radiation protection. It consists of five Commissioners, including the Chairman, appointed for a term of 6 years⁽¹⁾.

Bernard DOROSZCZUK Chairman	Sylvie CADET-MERCIER ⁽¹⁾ Commissioner	Géraldine PINA JOMIR Commissioner	Lydie ÉVRARD ^{(1)(**)} Commissioner	Jean-Luc LACHAUME ⁽¹⁾ Commissioner
from 13 November 2018 to 12 November 2024	from 21 December 2016 to 9 December 2023	from 15 December 2020 to 9 December 2026	from 10 March 2017 to 9 December 2023	from 21 December 2018 to 9 December 2026
↓ APPOINTED BY the President of the Republic			↓ APPOINTED BY the President of the Senate	↓ APPOINTED BY the President of the National Assembly

* The Environment Code, modified by Act 2017-55 of 20 January 2017, introducing the general status of the independent administrative Authorities and the independent public Authorities, provides for the renewal of half of the ASN Commission, other than its Chairman, every 3 years. Decree 2019-190 of 14 March 2019 (codifying the provisions applicable to BNIs, the transport of radioactive substances and transparency in the nuclear field) sets out the relevant interim provisions and modified the duration of the mandates of three Commissioners.

** By Decree of the President of the Republic dated 21 April 2021, Laure Tourjansky was appointed Commissioner for the remainder of the mandate of Lydie Évrard, called to other duties.

Impartiality

The Commissioners perform their duties in complete impartiality and receive no instructions from either the Government or any other person or institution.

Independence

The Commissioners perform their duties on a full-time basis. Their mandate is for a six-year term. It is not renewable. The duties of a Commissioner can only be terminated in the case of impediment or resignation duly confirmed by a majority of the Commissioners. The President of the Republic may also terminate the duties of any member of the Commission in the event of serious breach of his or her obligations.

Competencies

The Commission takes decisions and issues opinions, which are published in ASN's *Official Bulletin*. The Commission defines ASN's oversight policy. The Chairman appoints the ASN inspectors. The Commission decides whether to open an inquiry following an incident or accident. Every year, it presents Parliament with the *ASN Report on the State of Nuclear Safety and Radiation Protection in France*. Its Chairman reports on ASN activities to the competent committees of the National Assembly and of the Senate and to the Parliamentary Office for the Evaluation of Scientific and Technological Choices. The Commission defines ASN's external relations policy at national and international level.

THE DEPARTMENTS

ASN comprises departments placed under the authority of its Chairman. The departments are headed by a Director General, appointed by the ASN Chairman. They carry out ASN's day-to-day duties and prepare draft opinions and decisions for the ASN Commission. They comprise:

- **head office departments organised according to topics**, which oversee their field of activity at a national level, for both technical and transverse matters (international action, preparedness for emergency situations, information of the public, legal affairs, human resources and other support functions). They more specifically prepare draft doctrines and texts of a general scope, examine the more complex technical files and the "generic" files, in other words those which concern several similar facilities;
- **eleven regional divisions**, with competence for one or more administrative regions, covering the entire country and the overseas territories. The regional divisions conduct most of the oversight in the field of nuclear facilities, radioactive substances transport operations and small-scale nuclear activities. They represent ASN in the regions and contribute to public information within their geographical area. In emergency situations, the divisions assist the Prefect of the *département*^(***) who is responsible for the protection of the population, and oversee the operations to safeguard the facility affected by the accident.

*** Administrative region headed by a Prefect.

KEY FIGURES IN 2020



PERSONNEL

529 staff members

of which

85%

management

47%

women

320

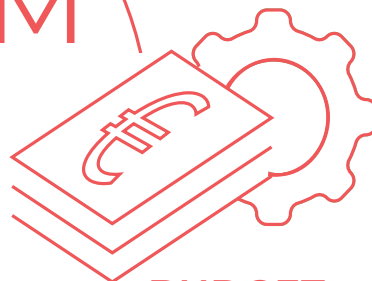
inspectors

€65.77M

budget for ASN
(programme 181)

€83M

budget for the IRSN
devoted to technical expertise
for ASN



BUDGET

9 plenary meetings and 3 virtual consultations
of the Advisory Committees of Experts

24,886

inspection follow-up letters
available on *asn.fr*
as at 31 December 2020

198

technical opinions
sent to ASN by the IRSN

1,573

inspections
including 320 performed
remotely

1,651

individual licenses issued
for facilities or activities



ASN ACTIONS^(*)

9

press conferences

67

information notices

Nearly

600

replies to queries
from the public
and stakeholders



INFORMATION^(*)

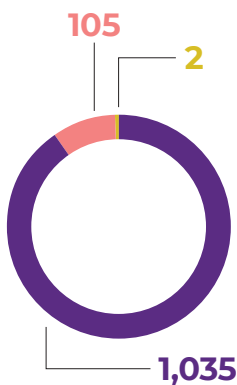
* These figures take account of the impact of the Covid-19 pandemic on some ASN activities.

KEY FIGURES IN 2020

NUMBER OF SIGNIFICANT EVENTS RATED ON THE INES SCALE^(*)

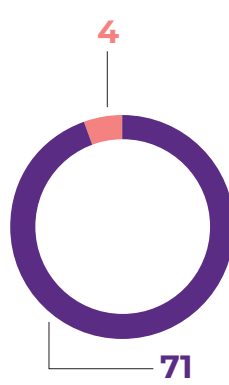
1,142

events in the Basic Nuclear Installations



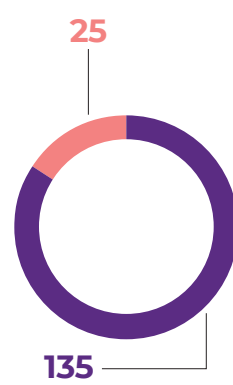
75

events in the transport of radioactive substances



160

events in small-scale nuclear facilities (medical and industrial)

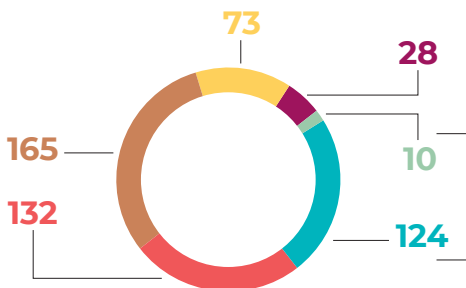


● Level 0 ● Level 1 ● Level 2

NUMBER OF SIGNIFICANT EVENTS IN THE MEDICAL FIELD^(*)

532

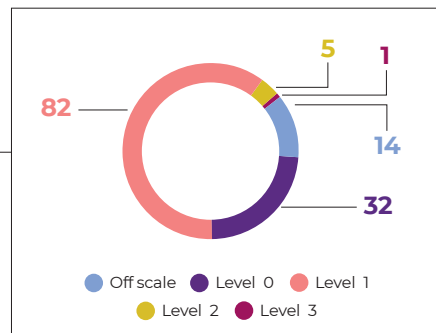
significant events per area of exposure



● Brachytherapy ● External beam radiotherapy ● Nuclear medicine
● Radiography ● Conventional and dental radiology
● Fluoroscopy-guided interventional practices

134

significant events in external beam radiotherapy and brachytherapy according to the rating on the ASN-SFRO scale



● Off scale ● Level 0 ● Level 1
● Level 2 ● Level 3

^{*} The INES scale (International Nuclear and Radiological Event Scale) was developed by IAEA to explain to the public the importance of an event in terms of safety or radiation protection. This scale applies to events occurring in BNIs and events with potential or actual consequences for the radiation protection of the public and workers. It does not apply to events with an impact on the radiation protection of patients, and the criteria normally used to rate events (notably the dose received) are not applicable in this case.

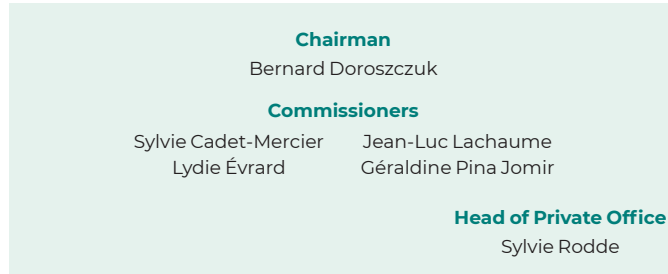
As it was pertinent to be able to inform the public of radiotherapy events, ASN – in close collaboration with the French Society for Radiotherapy and Oncology – developed a scale specific to radiotherapy events (ASN-SFRO scale).

These two scales cover a relatively wide range of radiation protection events, with the exception of imaging events.

ASN ORGANISATION CHART

On 2 March 2021

COMMISSION



GENERAL DIRECTORATE



DEPARTMENTS

NUCLEAR POWER PLANTS

Rémy Catteau

NUCLEAR PRESSURE EQUIPMENT

Corinne Silvestri

WASTE, RESEARCH FACILITIES AND FUEL CYCLE

Christophe Kassiotis

TRANSPORT AND SOURCES

Fabien Féron

IONISING RADIATION AND HEALTH

Carole Rousse

ENVIRONMENT AND EMERGENCY SITUATIONS

Olivier Rivière

LEGAL AFFAIRS

Olivia Lahaye

INFORMATION, COMMUNICATION AND DIGITAL USAGES

Céline Acharian

INTERNATIONAL RELATIONS

Luc Chanial

OFFICE OF ADMINISTRATION

Brigitte Rouède

MANAGEMENT AND EXPERTISE OFFICE

Adeline Clos

REGULATION AND OVERSIGHT SUPPORT MISSION

Julien Husse

REGIONAL DIVISIONS

① BORDEAUX

Regional representative: Alice-Anne Médard

Regional head: Simon Garnier

② CAEN

Regional representative: Olivier Morzelle

Regional head: Adrien Manchon

③ CHÂLONS-EN-CHAMPAGNE

Regional representative: Hervé Vanlaer

Regional head: Mathieu Riquart

④ DIJON

Regional representative: Jean-Pierre Lestoille

Regional head: Marc Champion

⑤ LILLE

Regional representative: Laurent Tapadinhas

Regional head: Rémy Zmyslony

⑥ LYON

Regional representative: Jean-Philippe Deneuvy

Regional head: Caroline Coutout

⑦ MARSEILLE

Regional representative: Corinne Tourasse

Regional head: Bastien Lauras

⑧ NANTES

Regional representative: Annick Bonneville

Regional head: Émilie Jambu

⑨ ORLÉANS

Regional representative: Hervé Brûlé

Regional head: Arthur Neveu

⑩ PARIS

Regional representative: Agathe Baltzer (p.i.)

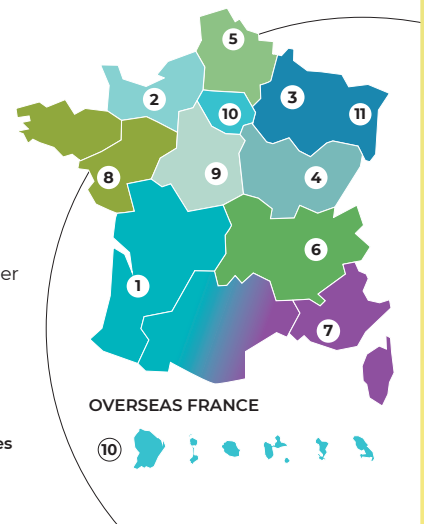
Regional head: Agathe Baltzer

⑪ STRASBOURG

Regional representative: Hervé Vanlaer

Regional head: Pierre Bois

For BNI oversight only, the Caen and Orléans divisions hold responsibility for the Brittany and Île-de-France regions respectively. The Paris division intervenes in overseas France.



Competence
Independence
Rigour
Transparency



asn.fr



info@asn.fr

You can also follow ASN on social media

