



September 2026

Training for Operator/Supervisor IRA-3075 : Updates Regulations and Procedures

1

Structure of Radiation Protection regulations

2

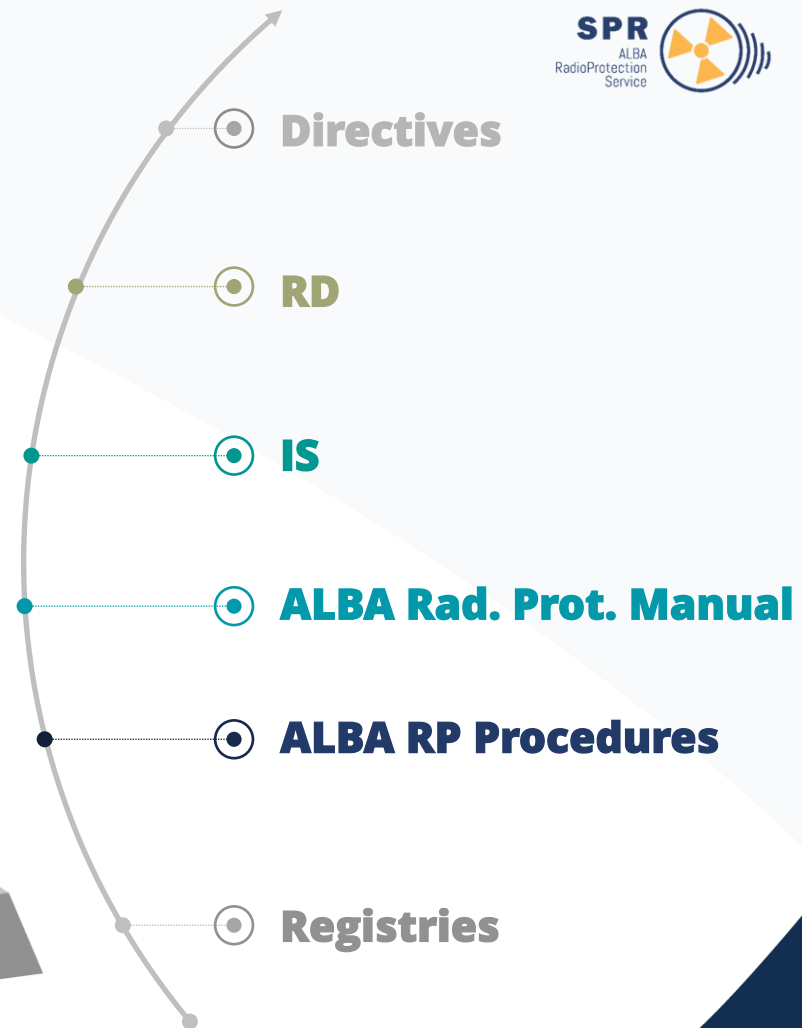
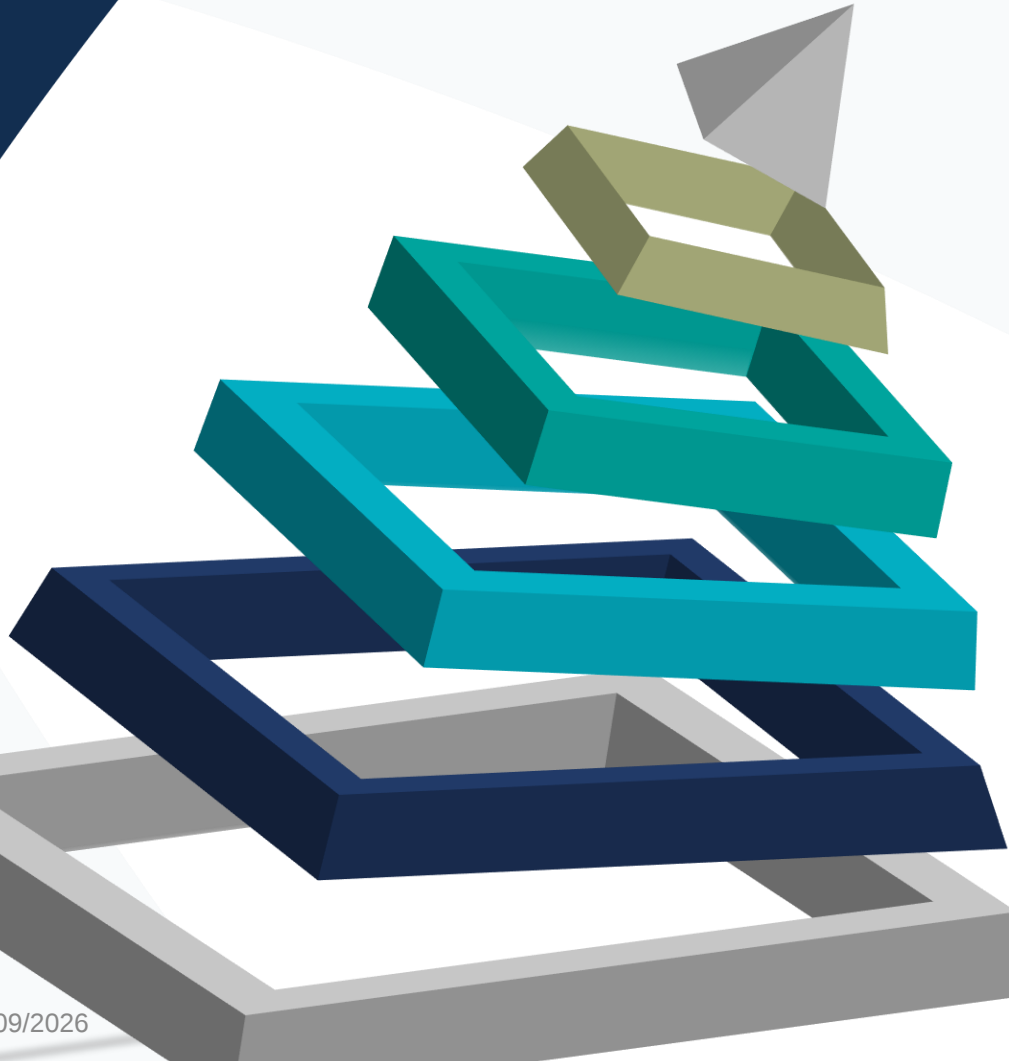
Changes in Eu+Nat RP regulations

3

Consequences on ALBA RP regulations

1

Structure of Radiation Protection regulations



EU + Nat Regulatory changes timeline

Basic safety standards for protection against the dangers arising from exposure to ionizing radiation

DIR2013/59Euratom

2013:

Regulation on Nuclear and Radioactive Facilities and Other Activities Involving Exposure to Ionizing Radiation

RD1217/2024

2024:

2001:
RD783/2001

2022:

RD1029/2022

Regulation on health protection against the dangers arising from exposure to ionizing radiation

2024:
Plan Nacional contra el Rn

2025: IS-47

listado de términos municipales de actuación prioritaria contra el Rn, directrices para mediciones de Rn en el aire interior de los centros de trabajo ubicados en ellos.

2

Changes in Eu+Nat RP regulations

Dose Limitations Comparison

Dosimetric quantity	RD 783/2002	RD 1029/2022	Impact
Effective dose	100 mSv over 5 years (max. 50 mSv in any single year)	20 mSv per official year (no averaging)	Greater annual rigor; eliminates permitted peaks.
Eye Lens Dose	150 mSv/official year	100 mSv over 5 years (max. 50 mSv in any single year)	Very demanding restriction for healthcare environments.
Skin, Extr. Dose	500 mSv/official year	500 mSv/official year	None.

Occupational Protection Changes

- ▶ **RD413/1997:** Protection for outside workers (subcontractors) is unified.
- ▶ **Radon Area Classification:** Requires clear delineation of specific 'radon zones' in workplaces where exposure is likely to exceed 6 mSv/year from radon
- ▶ **Radiological Passport:** Only TPE-Cat A
- ▶ **Training:** Formalized requirement for periodic radiological protection education.
- ▶ **Operational Updates:** Refines medical surveillance and dose records to ensure full traceability of individual worker dose history.

3

Consequences on ALBA RP regulations

ALBA changes timeline

2024:

H&S-PG-g17_ Health surveillance procedure for occupationally exposed personnel

2026: H&S-PG-g13_ Radiological Incident Action and Notification Procedure

2026: H&S-PG-g14_ Radiological Emergency Drill Procedure

2025:
SAF-MPR-25

Radiation Protection Manual

2025: HS-PG-905_ Radiological Area Classification and Signage Procedure

2025: H&S-PG-906_ Personnel classification procedure

2025: H&S-PG-907_ Environmental External Radiation Monitoring Procedure at the ALBA Facility

Outside workers

Employers must ensure external contractors receive the same level of protection as in-house staff.



**ACCESS
RULES**
**NORMES
D'ACCÉS**

ACCESO A
/ ACCESS TO
EXPERIMENTAL
HALL



OTHERS

Qualsevol altre/a

Cualquier otro/a



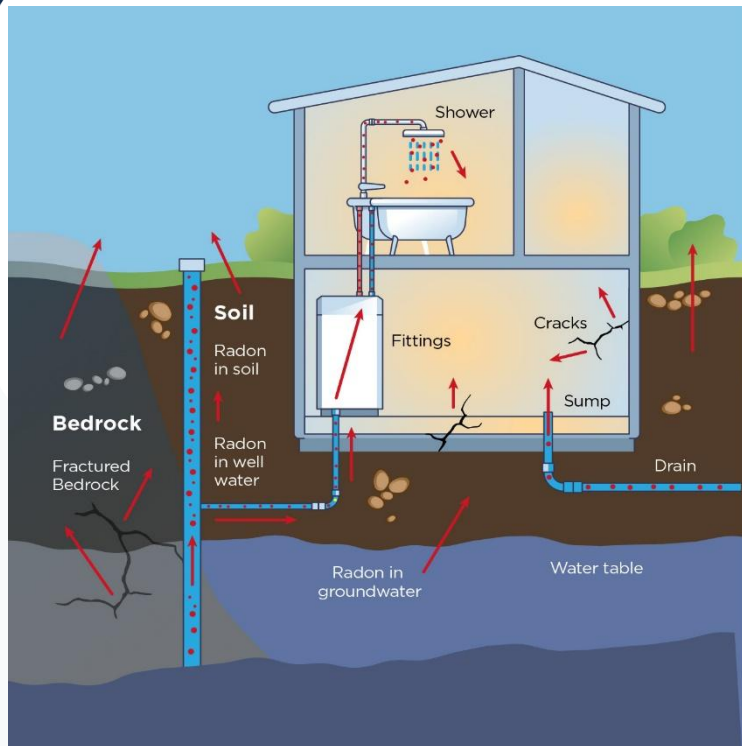
ALBA EXPOSED WORKERS

Treballadors/es exposats/des
d'ALBA

Trabajadores/as expuestos/as
de ALBA



Radon exposure management



A Major Regulatory Change: RD 1029/2022 introduces specific requirements for radon measurement in priority areas.

- ❖ Reference level of 300 Bq/m^3 .
- ❖ Mandatory National Radon Plan.
- ❖ Focus on ground-floor and basement workplaces.



2025: SAF-MPR-25 Radiation Protection Manual

SUPERVISOR: RESPONSABILITIES

- Keep the “Diario de Operaciones” up to date.
- Comply with and enforce the rules specified in this Manual, the Operating Regulations, the Emergency Plan, and any other officially approved document.
- Halt facility operations at any time if radiological safety conditions have been compromised, and notify the Radiological Protection Service (RPS). Resumption of operations requires explicit confirmation that safe conditions have been restored, alongside the prior knowledge and approval of the RPS.
- In the event of an emergency, execute all necessary measures in accordance with the Emergency Plans. Record all actions taken and report them to the SPR as soon as possible.
- Actively participate with the SPR in preparing the required installation documentation and compiling reports for submission to the CSN.



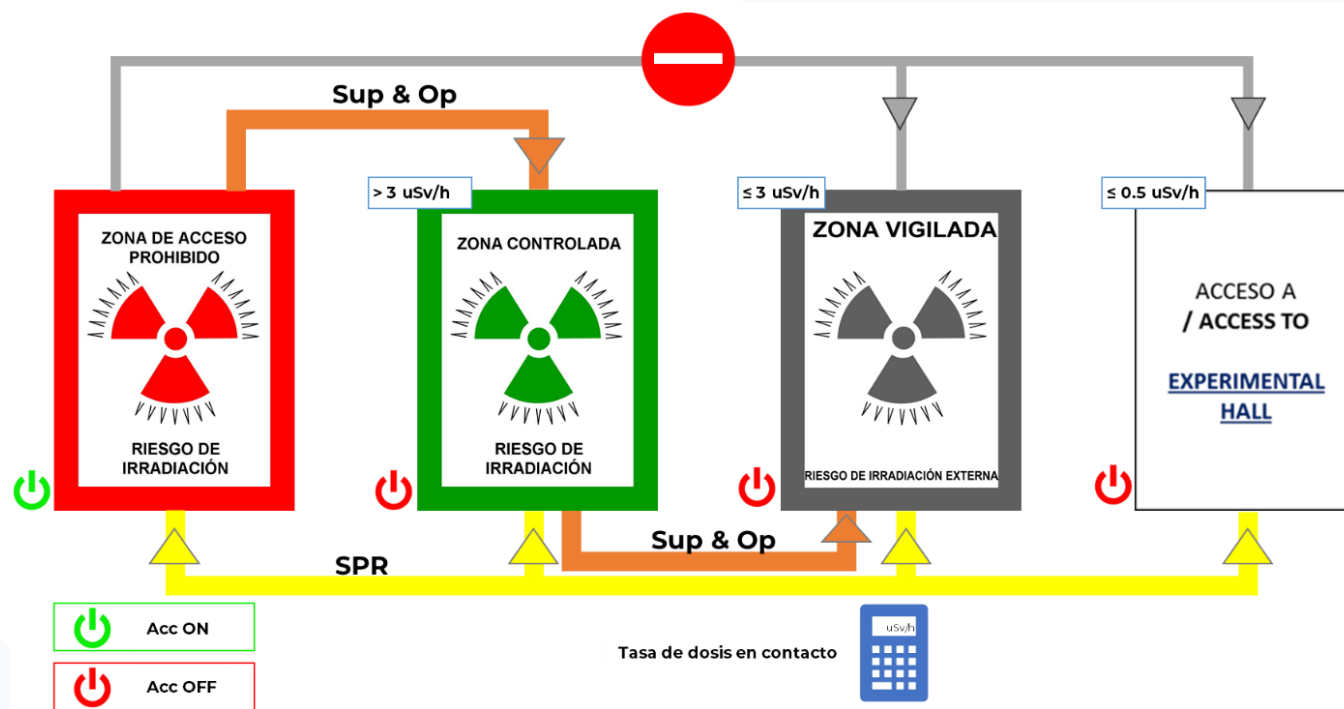
2025: SAF-MPR-25 Radiation Protection Manual

OPERATOR: RESPONSABILITIES

- Operate the ALBA control devices and/or facility radioactive materials of the facility.
- Halt facility operations at any time if radiological safety conditions have been compromised and it is not possible to inform the Supervisor with the required promptness.

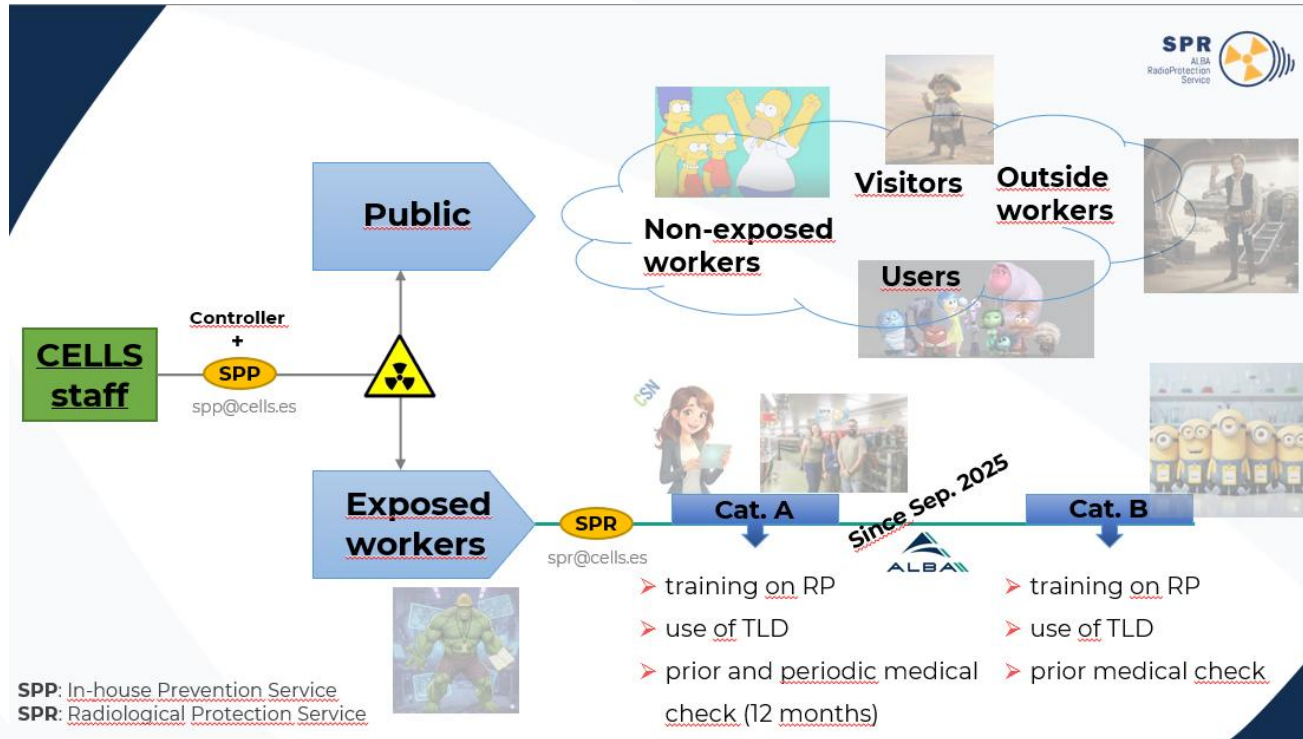
Most relevant changes in Procedures

- HS-PG-905_ Radiological Area Classification and Signage Procedure
 - Training on OP+SUP CAN RECLASSIFY SURVEYED AREAS TO PUBLIC ACCESS



Most relevant changes in Procedures

- H&S-PG-906_ Personnel classification procedure:
 - TPEs training: CAT A: Op+Sup+SPR / Rest CAT B or NON EXPOSED



Most relevant changes in Procedures

- H&S-PG-907_ Environmental External Radiation Monitoring Procedure at the ALBA Facility
 - RADON control program



Most relevant changes in Procedures

- H&S-PG-913- Radiological Incident Action and Notification Procedure
 - New KIT for radiological emergency intervention in CR



Thanks for your attention!