



SIS Directory

Accreditation number: SIS 0034

International standard: ISO/IEC 17020:2012
Swiss standard: SN EN ISO/IEC 17020:2012

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Initial accreditation: 19.03.1997
Current accreditation: 18.09.2022 to 17.09.2027
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 18.09.2022

Inspection body (Type C) ensuring protection of humans and environment against the hazards of ionising radiation: testing of radiation protection instruments and radiation monitoring; assessment of radioactive waste and waste containers

Standards	Approved technical scopes	Remarks
RADIATION METROLOGY SECTION, GROUP CALIBRATION LABORATORY StMmV chap. 5	Legal verification of dose and dose rate measuring instruments for photons and neutrons	Irradiation in radiation fields traceable to national standards (PTB) by means of reference instruments. Photons: ionisation chambers (procedure AAES01). Neutrons: proportional counter in moderator (procedure AAES02).
StMmV chap. 3	Legal verification of surface contamination monitors	Irradiation with calibration sources (procedure AAES03)



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Standards	Approved technical scopes	Remarks
<p>OPERATIONAL RADIATION PROTECTION SECTION, GROUP RADIATION MONITORING PSI EAST AND PSI WEST</p> <p>RPA chap.2, chap.3 RPO, title 1 – title 4, title 6 ENSI-guidelines G13, G14</p>	<p>Radiological assessment with stationary and mobile measuring equipment.</p>	<p>γ-spectrometry γ- + n- dose rate measurements α- + β- radioactivity and contamination measurements (procedure VA-9640-20)</p>
<p>RPA chap.2, chap.3 RPO, title 1 – title 4, title 6 ENSI-guidelines G13, G14</p>	<p>Radiological evaluation for clearance, characterization and declaration of materials and localities</p>	<p>γ-spectrometry γ- + n- dose rate measurements α- + β- radioactivity and contamination measurements (procedure VASU09, method AA-9460-45)</p>
<p>Contractual agreements with NEOC and ENSI</p>	<p>Radiological assessment with stationary and mobile measuring equipment in the framework of emergency response duties</p>	<p>Planning, rescue, radiological evaluation and assessment of local situations, consultancy/ support to the leadership of emergency response operations and reporting to the authorities (procedure VA-9640-273, method AA-9640-294)</p>
<p>RPA chap.4 RPO, title 2, chap. 7 SDR UraM</p>	<p>Assessment of the transportability when shipping and receiving in-house transfers of radioactive materials between the PSI-sites</p>	<p>Planning, evaluation, control and documentation of internal transfers (procedure VASU20)</p>
<p>SECTION RADIATION PROTECTION, GROUP DISPOSAL</p> <p>RPA chap.4 RPO, title 2, chap. 7 ENSI-guideline B05 SR 814.557: Verordnung über die ablieferungspflichtigen radioaktiven Abfälle NAGRA regulations ADR</p>	<p>Conformity assessment of radioactive waste at the site of the deliverer</p>	<p>On site inspection of radioactive waste and / or containers for radioactive waste (procedure VA-9644-224).</p>
<p>SECTION EXPERTISE AND ANALYSES, GROUP DOCUMENTATION AND APPROVAL</p> <p>Type specification of containers for radioactive waste: Guideline ENSI-B17 (Betrieb von Zwischenlagern für radioaktive Abfälle) Guideline ENSI-B05 (Anforderungen an die Konditionierung radioaktiver Abfälle)</p>	<p>Assessment of conditioned radioactive waste regarding their suitability for storage in the federal interim storage facility.</p>	



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<p>PSI internal directives: TM 90-07-04</p> <p>SECTION EXPERTISE AND ANALYSES, GROUP DECOMMISSIONING STUDIES</p> <p>Guideline ENSI-B05: Attachment 3, part A, paragraphs 1a, 1c, 1d Attachment 3, part B</p> <p>SECTION SECURITY, GROUP DANGEROUS GOODS SHIPMENT</p> <p>RPA, RPO UraM NEA, NEO ENSI-guidelines GGBV ADR, SDR RSD / RID IMDG Code IAEA SSR-6</p>	<p>Assessment of containers for radi- oactive waste regarding to compli- ance with their technical specifica- tions.</p> <p>Cement matrices for the immobili- zation of radioactive waste and ce- ment based filling materials: Evaluation of compressive strength and stability against aqueous media, resistance against water and sulphate</p> <p>Assessment of the transportability of dangerous goods of classes 1 – 9 for national and international car- riage.</p>	<p>Crushing of small test bodies (pro- cedures TM-90-07-05, AA-9624- 229, CLZC02)</p> <p>Planning, evaluation, control and operation of transports of radioac- tive material, consultancy / support to involved parties, reporting to the authorities, transport documenta- tion (procedures VART01, VAGT01). Reporting according to SDR/ADR and guideline ENSI-B03, periodic reporting according to GGBV and guideline ENSI- B02</p>

In case of contradictions in the language versions of the directories, the German version shall apply.



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Abbreviation	Signification
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
FDJP	Federal Department of Justice and Police
ENSI	Swiss Federal Nuclear Safety Inspectorate
GGBV	Verordnung über Gefahrgutbeauftragte für die Beförderung gefährlicher Güter auf Strasse, Schiene und Gewässern (Gefahrgutbeauftragtenverordnung)
ICAO-TI	Technical Instructions for the safe transport of dangerous goods
IAEA SSR-6	IAEA Safety Standards, Regulations for the Safe Transport of Radioactive Material, Specific Safety Requirements No. SSR-6
IATA DGR	IATA Dangerous Goods Regulations (IATA Gefahrgutvorschriften)
IMDG Code	International Maritime Dangerous Goods Code
Legal verification	An activity which confirms specific requirements of the measuring instrument according to the law (e.g. Radiological Protection Ordinance RPO, SR 814.501)
NAGRA	National Cooperative for the Disposal of Radioactive Waste
NEA	Nuclear Energy Act (SR 732.1)
NEO	Nuclear Energy Ordinance (SR 732.11)
NEOC	National Emergency Operations Centre
PTB	Physikalisch-Technische Bundesanstalt, Braunschweig (Germany)
RID	Convention concerning International Carriage by Rail (COTIF), Appendix C- Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)
RPA	Radiological Protection Act (SR 814.50)
RPO	Radiological Protection Ordinance (SR 814.501)
RSD	Verordnung des UVEK über die Beförderung gefährlicher Güter mit Eisenbahnen und Seilbahnen (SR 742.412)
SDR	Verordnung über die Beförderung gefährlicher Güter auf der Strasse (SR 741.621)
StMmV	Ordinance of the FDJP on measuring instruments for ionizing radiation (SR 941.210.5)
UraM	Verordnung des EDI über den Umgang mit radioaktivem Material (SR 814.554)

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