



SIS Directory

Accreditation number: SIS 0034

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

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Current accreditation: 18.09.2017 to 17.09.2022
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 21.04.2021

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)



SIS Directory

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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 MONITORING SYSTEMS</p> <p>RPA chap.2 RPO title 2, chap. 6 ISO 2919, ISO 9978</p>	<p>Legal verification of sealed radioactive sources</p>	<p>Testing for leak tightness of sealed radioactive sources (procedure VASU02, AW-96-99-05)</p>



SIS Directory

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<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>PSI internal directives: TM 90-07-04</p>	<p>Assessment of conditioned radioactive waste regarding their suitability for storage in the federal interim storage facility.</p> <p>Assessment of containers for radioactive waste regarding to compliance with their technical specifications.</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>Cement matrices for the immobilization of radioactive waste and cement based filling materials: Evaluation of compressive strength and stability against aqueous media, resistance against water and sulphate</p>	<p>Crushing of small test bodies (procedures TM-90-07-05, AA-9624-229, CLZC02)</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 the transportability when shipping or receiving national and international transports of radioactive materials</p>	<p>Planning, evaluation, control and operation of transports of radioactive material, consultancy / support to involved parties, reporting to the authorities, transport documentation (procedure VART01). 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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Accreditation number: SIS 0034

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
FOPH	Federal Office of Public Health
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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