

General Inspection plan Rubrik / Title Control Equipment and Process Instrumentation Field Mounted Radiation Monitoring Equipment	Document KBE IP – 104:2.2
	Issue 4
	Date 2020-04-20
	Supersedes Issue 3

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter)		<u>Inspection performed and documented by</u> (2nd letter)		<u>Inspection supervised by</u> (3rd letter)	
A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		E: Manufacturer D: Supplier B: Purchaser		B: Purchaser C: Inspector engaged by purchaser D: Supplier	
<u>Documentation</u> (4th letter)		Examination Procedures		Inspection Procedure	Inspection Record
R: Technical Report P: Inspection Record I: Certificate		Codes	Deviation Report/Remark		
Type Inspection					
T1	Environmental verification for normal operating conditions KBE EP-151	TE-R			
T2	Verification of function and performance KBE EP-152	TE-R			
T3	Electromagnetic compatibility verification KBE EP-153	TE-R			
T4	Seismic qualification KBE EP-147	TE-R			
T5	Environmental qualification for accident conditions KBE EP-154	TE-R			
T6	Long-term stability of process instruments and control equipment KBE EP-111	TE-R			
T7	Temperature dependence of activity measurement channels Note 1	TE-R			
T8	Performance of scintillation measurement channels Note 1	TE-R			
T9	Calibration of SPG detectors Note 1	TE-R			
T10	Type inspection certification KBE EP-180	TE-R			
T11					
T12					
T13					
T14					
Notes					
1. The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Visual inspection KBE EP-101	AEBI			
R2	Visual inspection KBE EP-190	AE-P			
R3	Material quality certificate KBE EP-109	AE-I			
R4	Insulation resistance measurement KBE EP-114	AE-I			
R5	Inspection of corrosion protection KBE EP-148	AE-I			
R6	Long-term stability of process instruments and control equipment KBE EP-111	AE-I			
R7	Calibration of radiation monitoring equipment Note 1	AE-P			
R8	Calibration, measurement of radioactivity in gases Note 1	AE-P			
R9	Energy resolution in radiation monitoring detectors Note 1	AE-P			
R10	Performance of scintillation measurement channels Note 1	AE-P			
R11	Calibration of SPG detectors Note 1	AE-P			
R12	Functional performance Note 1	AE-I			
R13	Quality and identity certification KBE EP-180	AE-I			
R14	Delivery Release Inspection Note 2 KBE EP-191	AEBP			
R15	Operating Experience KBE EP-187	AE-R			
R16					
R17					
Notes					
<ol style="list-style-type: none"> 1. The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser. 2. Inspection witnessed by Purchaser in accordance with KBE 100. 					