

<b>General Inspection plan</b>  Title <b>Control Equipment and Process Instrumentation [Rack and panel mounted equipment]</b>	Document <b>KBE IP – 104:1.1</b>
	Issue <b>3</b>
	Date <b>2020-04-20</b>
	Supersedes <b>Issue 2</b>

Inspection according to codes below					
<b>Inspection Specification</b> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		<b>Inspection performed and documented by</b> (2nd letter) E: Manufacturer D: Supplier B: Purchaser		<b>Inspection supervised by</b> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	
				<b>Documentation</b> (4th letter) R: Technical Report P: Inspection Record I: Certificate	
Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Type Inspection</b>					
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	Withstand voltage test KBE EP-102	TE-R			
T6	Burn-in test KBE EP-104	TE-R			
T7	Ability to withstand variation in power supply KBE EP-108	TE-R			
T8	Long-term stability of process instruments and control equipment KBE EP-111	TE-R			
T9	Type inspection certification KBE EP-180	TE-I			
T10					
T11					
T12					
T13					
T14					
<b>Notes</b>					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Routine Inspection</b>					
R1	Visual inspection KBE EP-101	AEBI			
R2	Visual inspection KBE EP-190	AE-P			
R3	Withstand voltage test KBE EP-102	AE-I			
R4	Ability to withstand variation in power supply KBE EP-108	AE-I			
R5	Checking of wiring KBE EP-113	AE-I			
R6	Insulation resistance measurement KBE EP-114	AE-I			
R7	Burn-in test KBE EP-104	AE-P			
R8	Inspection of corrosion protection KBE EP-148	AE-I			
R9	Inspection of protective earth Continuity KBE EP-150	AE-I			
R10	Calibration KBE EP-105	AE-P			
R11	Long-term stability of process instruments and control equipment KBE EP-111	AE-I			
R12	Functional performance Note 1	AEBI			
R13	Quality and Identity certification KBE EP-180	AE-I			
R14	Delivery Release Inspection Note 2 KBE EP191	AEBP			
R15	Factory Acceptance Test (FAT) Note 3,4	AEBR			
R16	Site Acceptance Test (SAT) Note 3,4	AEBR			
R17	Operating Experience KBE EP-187	AE-R			
<b>Notes</b> <ol style="list-style-type: none"> <li>1. The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser.</li> <li>2. Inspection witnessed by Purchaser in accordance with KBE 100.</li> <li>3. Alternative is according to Manufacturers procedure, reviewed and approved by the Purchaser.</li> <li>4. For equipment with programmable electronics FAT and SAT are to be performed</li> <li>5. according to applicable Inspection Plans KBE IP-106:x-y.</li> </ol>					