

General Inspection plan Title Control Equipment and Process Instrumentation [Rack and panel mounted equipment]	Document KBE IP – 104:1.1
	Issue 4
	Date 2022-11-17
	Supersedes 3

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		<u>Inspection performed and documented by</u> (2nd letter) E: Manufacturer D: Supplier B: Purchaser		<u>Inspection supervised by</u> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	
				<u>Documentation</u> (4th letter) R: Technical Report P: Inspection Record I: Certificate	
Examination Procedures		Codes	Inspection Procedure	Inspection Record	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	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					
Notes					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Visual inspection KBE EP-101	AEBI			
R2	Visual inspection of Printed Board Assemblies 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			
Notes					
<ol style="list-style-type: none"> The test shall be carried out in accordance with the Manufacturers standard procedure, subject to prior review and approval by the Purchaser. Inspection witnessed by Purchaser in accordance with KBE 100. Alternative is according to Manufacturers procedure, reviewed and approved by the Purchaser. For equipment with programmable electronics FAT and SAT are to be performed 					