

General Inspection plan Rubrik / Title Electrical Containment Penetration Assemblies [Modules Type 1 to 5]	Beteckning / Document KBE IP – 110
	Utgåva / Issue 3
	Datum / Date 2011-06-15
	Ersätter / Supersedes 2

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)	<u>Documentation</u> (4th 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	R: Technical Report P: Inspection Record I: Certificate		
Examination Procedures	Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark	
Type Inspection					
T1	Gas-Leak Rate Test KBE EP-146	TEBR			
T2	Pneumatic Pressure Test KBE EP-146	TEBR			
T3	Power Frequency Voltage Test KBE EP-146	TEBR			
T4	Impulse voltage test Note 1 KBE EP-146	TEBR			
T5	Insulation-Resistance Test KBE EP-146	TEBR			
T6	Partial Discharge Test Note 1 KBE EP-146	TEBR			
T7	Rated Continuous Current Test Note 2 KBE EP-146	TEBR			
T8	Rated Short-Time Overl. Current Note 2 KBE EP-146	TEBR			
T9	Initial test KBE EP-146	TEBR			
T10	Shipping and Storage Simulation KBE EP-146	TEBR			
T11	Thermal Ageing KBE EP-146	TEBR			
T12	Radiation Ageing KBE EP-146	TEBR			
T13	Rated Short Current Test Note 2 KBE EP-146	TEBR			
T14	Short-Circuit Thermal Capacity Note 2 KBE EP-146	TEBR			
Notes					
General: Type Inspection is to be performed on a complete penetration assembly. 1 Test to be performed on penetrations rated >1 kV only. 2 Test to be performed on penetrations rated >100 V only					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Type Inspection					
T15	Seismic Verification KBE EP-146	TEBR			
T16	DBE-Test KBE EP-146	TEBR			
T17	Signal Transmission Test Note 3 KBE EP-146	TEBR			
T18	Post DBE Test KBE EP-146	TEBR			
T19	H5-incident Test KBE EP-146	TEBR			
T20	Fire Resistance Test KBE EP-146	TEBR			
T21	Type Inspection review and certification KBE EP-180	TE-R			
T22					
T23					
T24					
T25					
T26					
T27					
T28					
T29					
T30					
Notes					
3 Test to be performed on coaxial and triaxial penetrations only.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Gas-Leak Rate Test KBE EP-146	AE-P			
R2	Pneumatic Pressure Test KBE EP-146	AE-P			
R3	Dielectric-Strength Test KBE EP-146	AE-P			
R4	Insulation-Resistance Test KBE EP-146	AE-P			
R5	Conductor Continuity Test KBE EP-146	AE-P			
R6	Partial Discharge Test Note 4 KBE EP-146	AE-P			
R7	Visual Inspection KBE EP-146	AEBP			
R8	Material Quality Certificates KBE EP-109	AE-I			
R9	Quality and Identity certification KBE EP-146	AE-I			
R10	Delivery Release Inspection Note 5 KBE EP-191	AEBP			
R11					
R12					
R13					
R14					
R15					
R16					
R17					
R18					
Notes					
4. Test to be performed on penetrations rated >1 kV only.					
5. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100.					