

<b>General Inspection plan</b>  Rubrik / Title <b>Electrical Containment Penetration Assemblies</b> <b>[Modules Type 1 to 5]</b>	Beteckning / Document <b>KBE IP – 110</b>
	Utgåva / Issue <b>3</b>
	Datum / Date <b>2011-06-15</b>
	Ersätter / Supersedes <b>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	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			
<b>Notes</b> <b>General:</b> 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
<b>Type Inspection</b>					
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					
<b>Notes</b>					
<b>3</b> Test to be performed on coaxial and triaxial penetrations only.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Routine Inspection</b>					
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					
<b>Notes</b>  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.					