نقل الكهرباء National Grid SA		Commissioning Service Department Commissioning Standard Test Formats
Description: **CT INSULATION RESISTANCE TEST**		Record No. :
Bay No. :	Drawing ref.:	Sheet : **1** of **4**
Contractor :	Contract no.:	Substation No :

1. GENERAL DATA AND INFORMATION:

CT No.	Serial Number			Function
	R	Y	B	
T7 - C1	CL060858	CL060860	CL060859	87C + 95 C
T7 - C2	CL060856	CL060852	CL060854	O/C + E/F (50/51N+CBF-1 + CBF-2)
T7 - C3	CL060857	CL060855	CL060853	BCU (LCC) + DM (LCC)
T8 - C1	CL060590	CL060592	CL060588	87B CHECK ZONE
T8 - C2	CL060593	CL060591	CL060589	87B DISC. ZONE

CT No	Ratio	CLASS	V_{KP}	I_m	R_{CT} @ 75°C	Burden (VA)
T7 – C1	1200/1A	PX	> 2400 V	< 8.33 mA	< 6.0 Ω	--
	600/1A		> 1200 V	< 16.7 mA	< 3.0 Ω	
	400/1A		> 800 V	< 25 mA	< 2.0 Ω	
	200/1A		> 400 V	< 50 mA	< 1.0 Ω	
T7 – C2	1200/1A	PX	> 2400 V	< 8.33 mA	< 6.0 Ω	--
	600/1A		> 1200 V	< 16.7 mA	< 3.0 Ω	
	400/1A		> 800 V	< 25 mA	< 2.0 Ω	
	200/1A		> 400 V	< 50 mA	< 1.0 Ω	
T7 – C3	1200/1A	PX	> 2400 V	< 8.33 mA	< 6.0 Ω	--
	600/1A		> 1200 V	< 16.7 mA	< 3.0 Ω	
	400/1A		> 800 V	< 25 mA	< 2.0 Ω	
	200/1A		> 400 V	< 50 mA	< 1.0 Ω	
T8 – C1	4000/1A	PX	> 800 V	< 25 mA	< 6.0 Ω	--
T8 – C2	4000/1A	PX	> 800 V	< 25 mA	< 6.0 Ω	--

2. PRIMARY WITH GROUND

APPLIED VOLTAGE : 5KV – 1 min

PHASE	INSULATION RSISTANCE MEASURED
R	
Y	

Tested by: ENG.	Witnessed by: ENG.
Signature & Date:	Signature & Date:

B	

Tested by: ENG.	Witnessed by: ENG.
Signature & Date:	Signature & Date:

3. PRIMARY WITH SECONDARY

APPLIED VOLTAGE : 2.5KV – 1 min

CT No.	INSULATION RSISTANCE MEASURED		
	R	Y	B
T7 – C1			
T7 - C2			
T7 – C3			
T8 – C1			
T8 – C2			

4. SECONDARY WITH GROUND

APPLIED VOLTAGE : 1KV – 1 min

CT No.	INSULATION RSISTANCE MEASURED		
	R	Y	B
T7 – C1			
T7 - C2			
T7 – C3			
T8 – C1			
T8 – C2			

5. SECONDARY WITH SECONDARY

APPLIED VOLTAGE : 1KV – 1 min

CT No.	INSULATION RSISTANCE MEASURED		
	R	Y	B
T7 : CORE 1 – CORE 2			
T7 : CORE 1 – CORE 3			
T7 : CORE 2 – CORE 3			
T8 : CORE 1 – CORE 2			

نقل الكهرباء National Grid SA		Commissioning Service Department Commissioning Standard Test Formats
Description: **CT INSULATION RESISTANCE TEST**		Record No. :
Bay No. :	Drawing ref.:	Sheet : **4** of **4**
Contractor :	Contract no.:	Substation No :

Tested by: ENG.	Witnessed by: ENG.
Signature & Date:	Signature & Date: