

Bulletin 2005-004-EL

ATTACHMENT 1

HV Unit Substations Checklist

Installation Address: _____ Permit Number **EP-**_____

Note 1: To be completed by the Registered Professional of the Testing / Commissioning Agency.

Note 2: For information requirements of a portable unit substation used in the installation for a special event, refer to Bulletin 2000-048-EL.

Item	Description	References: CEC Rules, Bulletins	Conformance to the referenced requirements	
			Yes	No
1	HV Station Ground Resistance Report (See Attachment 2)	36-304		
2	HV Equipment Approval - Note: unit substation approval accomplished via a field evaluation procedure in conformance with CSA Model Code SPE-1000	2-024; Item 17 (Note A) of Bulletin 2005-004-EL		
3	Clearance and spacing of live parts	36-108; 36-110; 36-212; Tables 30, 31, 32, 33, 34 & 35		
4	Operation of HV switches	36-212; 36-214		
5	Interlocks	36-208; 36-214		
6	Switch, fuse, and breaker ratings	36-202; 36-204		
7	Transformer overload and overheating protection:	26-252		
	(a) Relay and tripping device settings			
	(b) Transformer core temperature device			
8	Installation integrity: (a) Insulation	As per shop drawings		
	(b) Torqued as per installation specifications			
	(c) Stand-off supports and bushings			
9	Interconnections between pieces of electrical equipment assembled on the site into a "Unit Substation" follow the supplier's / manufacturer's shop drawings; and meet the requirements of the CEC Part I.	Shop drawings of unit substation; CE Code, Part I		
10	Tested HV Station / Unit Substation is ready to be energized	Item 15 of Bulletin 2005-004-EL		

Additional Comments:

Testing Agency: _____

Name: _____

Address: _____

Telephone: _____

Facsimile: _____

Email: _____

Signature: _____ **Date:** _____

P.Eng.
Affix Professional Seal