

## Annex 1C Assessment Scope for Specialized Facility

Name of the Test	Standard	Clause of the Standard	Assessment Team acceptance	
			Yes	No
Measured limiting voltage (only for test class I and test class II)	IEC 61643-11 Ed.1	8.3.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operating duty test (only for test class I and test class II)	IEC 61643-11 Ed.1	8.3.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Thermal stability	IEC 61643-11 Ed.1	8.3.5.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Short-circuit current behaviour tests	IEC 61643-11 Ed.1	8.3.5.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Behaviour under Temporary Overvoltages (TOVs)	IEC 61643-11 Ed.1	8.3.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Load-side short-circuit current behaviour test	IEC 61643-11 Ed.1	8.6.1.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Short-circuiting type SPDs	IEC 61643-11 Ed.1	8.6.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total discharge current test for multipole SPDs (only for test class I and test class II)	IEC 61643-11 Ed.1	8.7.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Load-side surge withstand capability	IEC 61643-11 Ed.1	8.7.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Measurement of voltage rate of rise $du/dt$	IEC 61643-11 Ed.1	8.7.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Name of the Test	Standard	Clause of the Standard	Assessment Team acceptance	
			Yes	No
Voltage-limiting tests	IEC 61643-21 Ed.1 ; am1, am2	6.2.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Current-limiting tests (Except impulse Category C1, C2)	IEC 61643-21 Ed.1 ; am1, am2	6.2.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmission Tests	IEC 61643-21 Ed.1 ; am1, am2	6.2.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental cycling with impulse surges	IEC 61643-21 Ed.1 ; am1, am2	6.4.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Environmental cycling with a.c. surges	IEC 61643-21 Ed.1 ; am1, am2	6.4.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Part 2: For additional Part 2 standards or other similar standards in a product category for which the NCB/CBTL/SPTL has already been accepted, including new editions or amendments that require some additional test equipment and technical competence**

<b>Product Category</b>	<b>NCB DEKRA Certification B.V.</b> Already accepted standards relevant to this request	Requested scope extension	<b>CBTL DEKRA Certification B.V.</b> Already accepted standards relevant to this request	Requested scope extension
PROT	IEC 61643-11:2011	IEC 61643-31:2018	IEC 61643-11:2011	IEC 61643-31:2018

<b>Product Category</b>	<b>CBTL DEKRA Testing and Certification (Shanghai) Ltd.</b> Already accepted standards relevant to this request	Requested scope extension	<b>SPTL LPD Testing Center of Shanghai Lightning Protection Center</b> Already accepted standards relevant to this request	Requested scope extension
PROT	IEC 61643-11:2011	IEC 61643-31:2018	IEC 61643-11:2011	IEC 61643-31:2018

(\*) may be a similar stand-alone standard, a similar particular standard (such as Part 2) or a Part-1 standard of the same series in the already accepted product category

We have made the necessary NCB "R" declaration for the requested standards in the IECCE website.

*Provide additional sheets as necessary*

*Required Testing/Certification Experience*

<b>No.</b>	<b>Product Category</b>	<b>Standard (**)</b>	<b>Number Test Reports / Certificates issued during the last three years (**)</b>
1	PROT	EN 50539-11:2013	4