

Common non-compliances in LNO application (non-exhaustive)

General comments on submission requirements

Rev. A

S/N	Requirements	Common Observations in LNO application
1	To submit Application Form, Test Reports and Certificate of Conformity ("CoC").	Test report not issued by accredited laboratory and CoC not issued by accredited certification body.
2	Full set of test report shall be submitted.	Missing pages in test report.
3	Reference to clause 1.2 of TR25 for undated references, the latest edition (including any amendments) shall applies.	Tests were conducted using outdated standards.
4	All applicable tests shall be conducted.	Did not perform required tests (e.g. Verdict indicated as N.A. or left blank).
5	Essential tests such as EMC and environmental (outdoor) shall be conducted.	Did not perform the required tests.

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Observations made with reference to TR 25 : 2016

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S/N	Clause Ref	Clause Header / Sub Header	Clause Details (where applicable)	Common Observations in LNO application
1	To submit Application Form, Test Reports and Certificate of Conformity ("CoC").	Test report not issued by accredited laboratory and CoC not issued by accredited certification body	(Extracted from TR 25) It is a requirement that EV charging stations shall be incorporated with over-current and short circuit protection	MCB is not provided. MCB not tested with EVSE
2	1.6.1, 1.6.2.4, 1.6.4, 1.6.5, 1.6.6, 1.6.7, 1.6.8, 1.6.9, 1.10.9, 1.12.1 to 1.12.5, 1.12.9	Mandatory requirement for Modes 2, 3 and 4 charging	Refer to TR 25	Mandatory test not conducted. In particular for mode 4
3	1.7.6	Residual current protective devices	Refer to TR 25	RCCB of at least Type A is not provided. RCCB not tested with EVSE
4	1.7.7	Emergency switching	Refer to TR 25	Emergency switch is not provided.
5	1.11.3	Clearances and creepage distances	(Extracted from TR 25) Permanently connected EV supply equipment shall be designed according to a minimum Overvoltage Category III. The minimum pollution degrees shall be as specified below: –outdoor use: Pollution Degree 3; –indoor use: Pollution Degree 2, except industrial areas: Pollution Degree 3.	Test not conducted according to the requirement.
6	1.11.4.1	Degrees of protection against solid foreign objects and liquid for the enclosures	(Extracted from TR 25) Indoor use at least IP 41 Outdoor use at least IP 44	Test not conducted on EVSE, instead the result is based on declaration by EVSE manufacturer
7	1.11.8.7 1.11.8.8 1.11.11.2 1.11.11.3	Solar Radiation (for outdoor units only) Saline Mist (for outdoor units only) Vibration test Shock Test	Refer to TR 25	Detailed test report not submitted
8	1.12.3	Storage means for the cable assembly	Refer to TR 25	No means of storage provided
9	A.4.8 A.4.9 A.4.4	Test of interruption of the protective conductor Test of short-circuit values of the voltage Oscillator frequency and generator voltage test	Refer to TR 25	Test result not submitted
10	2.4 2.5	General requirements Rating of the supply a.c. voltage	(Extracted from TR 25) General requirements in 1.4 are applicable. Source of supply in 1.5 is applicable.	Test on clause 1.4 and 1.5 not conducted for Mode 4 EVSE.
11	2.7.6	Requirements of the isolated d.c. EV charging station	Refer to TR 25	DC charger with multiple output for simultaneous operation shall be isolated from each other by basic insulation or reinforced insulation.
12	2.12.1.3	Storage means of the cable assembly and vehicle connector	Refer to TR 25	No means of storage provided