KEMA Labs Management System

ISI-GSA-1227 – KEMA Validated Range of Activities – Flexible Scope

Valid for:	**Revision:**	**Date:**
Kema High-Power and High-Voltage Laboratories Arnhem	5	2026-03-11
	Reviewed by:	**Approved by:**
Resp. unit/Author:		
Ronald Gruntjes Marten Dekker	Louise Smeding	Marten Dekker

Revisions in this document:

Rev. no.	Date	Description of revision
5	2026-03-11	Addition of standard IEC 62271-109 and item 11 to cable standards HD629-1 and HD629-2, HD632 , IEC 60502-4, IEC 60141-1, 2, 3 and 4.
4	2025-07-03	Addition of IEEE 1277 and IEEE C57.16
3	2024-06-01	Addition of CSA C22.2 no. 193
2	2023-09-28	Addition of Standards for Material Lab and tap change
1	2023-04-21	Inclusion of items transferred from L218 scope for material lab
0	2022-09-15	New document for Flexible Scope

Contents

1 INTRODUCTION

KEMA Labs is specialized in testing electrical equipment, usually used for networks for transmission and distribution of electrical power. In the Annex to declaration of accreditation (scope of accreditation) registration number: L 020, tests are described which are accredited by the Dutch Accreditation Body – Raad van Accreditatie (RvA).

The relation between a specific test and a standard for which the test can be performed, section 2 below presents the standards for which KEMA Labs can refer to accreditation. In this list customer can identify is KEMA Labs is able to perform the tests on their test object, in accordance with a specified standard, referring to accreditation.

If different test objects or standards are requested, KEMA Labs reviews the applicable requirements and identifies whether they have the capability to perform the required test, as per the ISI-GSA-1225. When the internal verification shows that KEMA Labs is capable to perform the test for a specific test object or standard, the list below is updated accordingly.

2 OVERVIEW OF VALIDATED STANDARDS

General remark: any interpretation of the texts is guided by the STL. When the standard is not IEC, KEMA Labs will follow an interpretation based on a “similar” standard in IEC.

The standards according to which these products can be tested in KEMA Labs are:

Standard	Applicable scope	Comment / Date Added
ANSI C29.1	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C29.12	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C29.13	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C29.2	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C29.6	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C29.7	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
ANSI C37.54	1, 3, 6, 7, 11, 13, 23, 38, 43, 46, 49, 55, 58, 59, 60, 64	(1)
ANSI C37.55	1, 3, 6, 7, 11, 13, 38, 43, 46, 49, 55, 58, 59, 60, 64	(1)
BS 6622	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
BS 7835	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
BS 7870	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
BS 7912	1, 2, 3, 6, 8, 37, 41, 54, 55, 70, 71, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84	(3)
BS 7970	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
CAN/CSA C411.1	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
CISPR 18-2	7	(1)
CSA C22.2 no. 193	12, 13, 23	(4)
EN 50152-1	1, 3, 4, 5, 6, 7, 11, 13, 17, 24, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	(1)
EN 50152-2	11, 13, 23, 24, 43, 46, 47, 49, 55, 60, 64	(1)
EN 50470-1	67, 68, 69	(2)
EN 50541-1	1, 3, 6, 7, 8, 32, 38, 55, 56, 61, 62, 63, 64	(1)

Standard	Applicable scope	Comment / Date Added
EN 60695-2-10	68	(2)
EN-IEC 60068-2-5	67	(2)
EN-IEC 60695-2-11	68	(2)
EN-IEC 62052-11	67, 68, 69	(2)
EN-IEC 62052-31	68, 69	(2)
HD 620	1, 2, 3, 6, 8, 37, 41, 54, 55, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84	(3)
HD 629-1	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
HD 629-2	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
HD 632	1, 2, 3, 6, 8, 11, 37, 41, 54, 55, 70, 71, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84	(3)
IEC 60034	1, 3	(1)
IEC 60044-7	1, 3, 4, 5, 6, 8, 31, 38, 43, 52, 53, 60, 64	(1)
IEC 60044-8	1, 3, 4, 5, 6, 8, 31, 38, 43, 52, 53, 60, 64	(1)
IEC 60055-1	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
IEC 60055-2	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
IEC 60076-1	1, 3, 6, 7, 8, 32, 38, 55, 56, 61, 62, 63, 64, 66	(3)
IEC 60076-10	61	(1)
IEC 60076-11	1, 3, 6, 7, 8, 12, 32, 33, 34, 38, 55, 56, 60, 61, 62, 63, 64	(1)
IEC 60076-13	1, 3, 6, 7, 8, 32, 38, 55, 56, 61, 62, 63, 64	(1)
IEC 60076-15	1, 3, 6, 7, 8, 32, 38, 55, 56, 61, 62, 63, 64	(1)
IEC 60076-16	3, 6, 33, 34	(1)
IEC 60076-18	63	(1)
IEC 60076-2	38, 62,	(1)
IEC 60076-3	1, 3	(1)
IEC 60076-5	12, 60, 64	(1)
IEC 60076-6	1, 3, 4, 12, 32, 38, 55, 56, 60, 61, 62, 64	(1)
IEC 60077-4	11, 13, 43, 46, 55, 60, 64	(1)
IEC 60099-4	1, 3, 4, 6, 7, 22, 35, 37, 64	(1)
IEC 60137	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEC 60141-1	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
IEC 60141-2	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
IEC 60141-3	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
IEC 60141-4	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
IEC 60168	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEC 60282-1	1, 3, 6, 14, 38, 46, 50, 51, 55, 58, 59, 64	(1)
IEC 60282-2	1, 3, 6, 14, 38, 46, 50, 51, 55, 58, 59, 64	(1)
IEC 60353	1, 3, 4, 12, 32, 38, 55, 56, 57, 60, 61, 62, 64	(1)
IEC 60358	1, 3, 5, 8, 15, 37, 38, 60	(1)
IEC 60383-1	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEC 60383-2	1, 3, 4, 5,	(1)
IEC 60502-2	1, 2, 3, 6, 8, 37, 41, 54, 55, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84	(3)
IEC 60502-4	1, 2, 3, 6, 8, 11, 37, 41, 54, 55	(1)
IEC 60507	1, 5, 35,	(1)
IEC 60529	58	(1)

Standard	Applicable scope	Comment / Date Added
IEC 60549	14, 15, 24, 64	(1)
IEC 60644	14, 64	(1)
IEC 60660	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEC 60831	1, 3, 5, 8, 15, 37, 38, 60	(1)
IEC 60840	1, 2, 3, 6, 8, 37, 41, 54, 55, 70, 71, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84	(3)
IEC 60871	1, 3, 5, 8, 15, 37, 38, 60	(1)
IEC 61109	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEC 61238-1	38, 44, 55	(1)
IEC 61439-1	11, 64	15 January 2024
IEC 61442	11, 64	7 October 2024
IEC 61869-1	1, 3, 4, 5, 6, 8, 31, 38, 43, 52, 53, 60, 64	(1)
IEC 61869-2	1, 3, 4, 5, 6, 8, 11, 31, 38, 43, 52, 53, 60, 64	
IEC 61869-3	1, 3, 4, 5, 6, 8, 31, 38, 43, 52, 53, 60, 64	(1)
IEC 61869-5	1, 3, 4, 5, 6, 8, 31, 38, 43, 52, 53, 60, 64	(1)
IEC 62067	1, 2, 3, 6, 8, 37, 41, 54, 55, 70, 71, 72, 73, 75, 76, 79, 80, 81, 82, 83, 84	(3)
IEC 62217	34	(1)
IEC 62271-1	1, 2, 3, 4, 5, 6, 7, 11, 38, 43, 55, 58, 59, 60, 64	(1)
IEC 62271-100	1, 2, 3, 4, 5, 6, 7, 11, 13, 16, 17, 24, 28, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-101	13, 16, 17, 24	(1)
IEC 62271-102	1, 2, 3, 4, 5, 6, 7, 11, 13, 25, 26, 27, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-103	1, 2, 3, 4, 5, 6, 7, 11, 13, 23, 24, 28, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-104	1, 2, 3, 4, 5, 6, 7, 11, 13, 23, 24, 28, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-105	1, 2, 3, 4, 5, 6, 7, 13, 14, 23, 38, 43, 50, 51, 55, 58, 59, 60, 64	(1)
IEC 62271-106	1, 2, 3, 4, 5, 6, 7, 11, 13, 14, 23, 24, 28, 29, 38, 46, 50, 51, 55, 58, 59, 60, 64	(1)
IEC 62271-107	13, 14, 43, 46, 51, 55, 60, 64	(1)
IEC 62271-109	1, 2, 3, 4, 5, 6, 7, 11, 18, 24, 38, 43, 46, 47, 55, 58, 59, 60, 64	
IEC 62271-110	23, 64	
IEC 62271-111 IEEE C37.60	1, 2, 3, 4, 5, 6, 7, 11, 13, 19, 24, 30, 38, 46, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-200	1, 3, 6, 7, 11, 13, 20, 38, 43, 46, 49, 55, 58, 59, 60, 64	
IEC 62271-201	1, 3, 6, 7, 11, 13, 20, 38, 43, 46, 49, 55, 58, 59, 60, 64	(1)
IEC 62271-202	1, 3, 6, 7, 11, 20, 38, 55, 58, 59, 64	
IEC 62271-203	1, 3, 4, 6, 7, 11, 20, 38, 43, 46, 55, 58, 59, 60, 64	
IEC 62271-214	20, 64	20 Sep 2022
IEC 62730	34	(1)
IEC/IEEE 62271-37-013	11, 13, 17, 23, 24, 43, 46, 49, 55, 60, 64	

Standard	Applicable scope	Comment / Date Added
IEEE 1247	11, 13, 23, 24, 28, 43, 46, 47, 49, 55, 60, 64	(1)
IEEE 1277	12, 15	(4)
IEEE 404	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
IEEE 48	1, 2, 3, 6, 8, 37, 41, 54, 55	(1)
IEEE C37.013	1, 3, 4, 5, 6, 7, 38, 55, 58, 59	(1)
IEEE C37.081	13, 16, 17, 24	(1)
IEEE C37.09	1, 3, 4, 5, 6, 7, 11, 13, 16, 17, 23, 24, 28, 38, 43, 46, 47, 49, 55, 58, 59, 60, 64	
IEEE C37.122	1, 3, 4, 6, 7, 11, 13, 20, 25, 26, 27, 28, 38, 43, 46, 49, 55, 58, 59, 60, 64	
IEEE C37.20.2	1, 3, 6, 7, 11, 13, 38, 43, 46, 49, 55, 58, 59, 60, 64	(1)
IEEE C37.20.7	20, 64	
IEEE C37.21	1, 3, 6, 7, 38, 55, 58, 59	(1)
IEEE C37.23	1, 3, 6, 11, 38, 55, 58, 59, 64	(1)
IEEE C37.41	1, 3, 4, 5, 6, 7, 14, 38, 46, 50, 51, 55, 58, 59, 64	(1)
IEEE C37.74	1, 3, 6, 11, 13, 23, 24, 28, 38, 43, 46, 49, 55, 58, 59, 60, 64	(1)
IEEE C57.12.00	1, 3, 6, 7, 8, 12, 32, 38, 55, 56, 60, 61, 62, 63, 64,66	(3)
IEEE C57.12.90	1, 3, 6, 7, 8, 12, 32, 38, 55, 56, 60, 61, 62, 63, 64	(1)
IEEE C57.12.91	1, 3, 6, 7, 8, 12, 32, 38, 55, 56, 60, 61, 62, 63, 64	
IEEE C57.13	11, 31, 43, 60, 64	(1)
IEEE C57.16	12, 15	(4)
IEEE C57.19.00	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEEE C57.19.01	1, 3, 4, 5, 6, 7, 10, 34, 35, 36, 39, 40, 42, 44, 45, 48, 52, 64	(1)
IEEE C57.21	1, 3, 4, 12, 32, 38, 55, 56, 60, 61, 62, 64	(1)
IEEE C62.11	1, 3, 4, 6, 7, 22, 35, 37, 64	(1)
IEEE C93.3	1, 3, 4, 12, 32, 38, 55, 56, 57, 60, 61, 62, 64	(1)
ISO 75-2	69	(2)

(1) On scope of Accreditation prior to 01-10-2022 prior to introduction of flexible scope.
(2) Moved from accreditation scope L218 to L020
(3) Addition of activities 28 September 2023
(4) Addition of activities 1 June 2024

3 OVERVIEW OF TEST OBJECTS

Typical test objects are listed below, but not limited to the following items:

High-voltage switchgear and control gear	Instrument transformers
Low-voltage switchgear and control gear	Line traps
Electric cables and their accessories	Reactors
Insulators (including insulated bushings)	Busducts
Power capacitors and their applications	Fuses
Power transformers	Surge arresters