

Annex to declaration of accreditation (scope of accreditation)
 Normative document: : 17020:2010
 Registration number: **I 049, type A**

of **KEMA B.V.**
Inspection Service

This annex is valid from: **25-10-2023** to **01-04-2026**

Replaces annex dated: **01-02-2023**

Location(s) where activities are performed under accreditation

Head Office

Klingelbeekseweg 195 - Building no. R10
 6812 DE
 Arnhem
 The Netherlands

Location	Abbreviation/ location code
Klingelbeekseweg 195 6812 DE Arnhem The Netherlands	ARN

No.	Field of inspection	Type and range of inspection	Methods & procedures ¹	Location
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Rotating electrical machines, Transformers, Capacitors, Reactors

1	Rotating electrical machines	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 60034-1, 3, 5, 6, 7, 8, 9, 14, 15, 19, 22, 28, 29, IEC/TS 60034-32, IEC 60034-2- 1, 2, IEC/TS 60034-2-3 IEC 60034-4-1 IEC 60034-18-1, 21, 31, 32, 34, 41, 42 IEC/TS 60034-18-33, IEC 60034-27-1, 3, 4 IEC/TS 60034-27-2	ARN
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This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas
 Director of Operations

¹ If there is a referral to a code starting with NAW, NAP, EA of IAF, this constitutes a scheme to which RvA-BR012 applies. The accepted version is mentioned on the list of schemes for which accreditation can be granted by the RvA, as meant in RvA-BR010.

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2	Electric traction - Rotating electrical machines for rail and road vehicles	Inspection by witnessing of tests execution	IEC 60349-1, 2, IEC/TS 60349-3 IEC 60349-4	ARN
3	Power transformers	Evaluate the results obtained by these tests	IEC 60076 IEC 60599 IEC 60567 EN 50588-1 EN 50329 IEEE C57.12.00 IEEE C57.12.90 IEC 60214-1 IEC 60317-0-2 IEC 60317-18 IEC 60317-27-3: ENEL/ENDESA GST002/265 ENEL/ENDESA GST002/S50 ENEL TR092011 ENEL DT 1087 ENEL DT 1088 ENEL DT 841 ENEL DT 842 ENEL DT 843 ENEL DT 844 ENEL DT 845 ENEL DT 846 ENEL GST001-EU ENEL GST002 ENEL GST002-S55 ENEL TR-IT032017 TERNA INS MT S 08 TERNA INS MA S 01 TERNA INS MT S 07 TERNA INS MT S 01 TERNA INS MT S 10 TERNA INS MT S 11	ARN
4	Current transformers		IEC 61869 – 1,2,4,5,6,9,10,11,14 ENEL GSCT005	ARN

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5	Voltage transformers	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 61869 – 1,3,4,5,6,7,9,10,11,14 IEC 60044-7 ENEL GSCT005	ARN
6	Capacitors		IEC 60358 IEC 60831-1/-2 IEC 60871-1/-2 IEC 60871-4	ARN
7	Reactors		IEC 60076-6	ARN

Switchgear

8	Metal-enclosed AC switchgear 1-52 kV resp. ≥ 52 kV	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 62271-101 IEC 62271-103 IEC 62271-106 IEC 62271-200 IEC 62271-205 IEC TR 62271-307 ENEL DY 684A ENEL DY 696A ENEL DY 697A ENEL DY 803	ARN
9	Insulation-enclosed AC switchgear		IEC 62271-201	ARN
10	Gas insulated metal-enclosed AC switchgear (GIS)		IEC 62271-203	ARN
11	High Voltage AC circuit breakers		IEC 62271-100 ENEL GSCM004	ARN
12	High-voltage AC disconnectors and earthing switches		IEC 62271-102	ARN

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No.	Field of inspection	Type and range of inspection	Methods & procedures ¹	Location
13	High Voltage AC switches	Inspection by witnessing of tests execution	IEC 62271-104 TERNA INS AI S 02	ARN
14	High Voltage AC switch-fuse combinations and high-voltage AC fuses	Evaluate the results obtained by these tests	IEC 62271-105	ARN

Insulators, Arresters

15	Insulators and insulated bushings	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 60137 IEC 60168 IEC 60383 –1,2 IEC 60507 IEC 60660 IEC 61109 IEC 60815 IEC 61466-1 IEC 61466-2 IEC 61952 IEC 62231 IEC 60437 IEC 62217 EN 50181 EN 50243 EN 50336 IEC/IEEE 65700-19-03 ANSI C29.1, -6, -7, -12 NSI/NEMA C29.2, -13 CAN/CSA C411.1-M89 CAN/CSA C411.1-16 ENEL DJ 3900 ENEL DJ 3951 ENEL DJ 3950 ENEL MAT-E&C-NC-2021-0043-EGIN TERNA LIN 00000J18 TERNA LIN 00000J19 TERNA LIN 00000J20 TERNA LIN 00000J39 TERNA LIN_0000J116	ARN
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16	Surge arresters	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 60099 – 3,4,5,6,7 IEEE Std C62.11 ENEL DY 58 ENEL DY 1004 ENEL DY 2051 ENEL DY 2052 TERNA INS AZ S 01	ARN

Cables

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17	Cables	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 60055 –1,2 IEC 60141-1 IEC 60502 –1,2,4 IEC 60840 NEN-HD 620 NEN 3172 BS 6622 HD 620 S2 NEN 3616 NEN 3619 NEN-HD 632 IEC 62067 CSA C49 NF C34-125 IEC 61089 AEIC CS9-15 IEC 63026 IEC 62895 HD 632 S3 CIGRE TB 623 CIGRE TB 490 CIGRE TB 722 CIGRE TB 446 CIGRE TB 496 CIGRE TB 852 BS 7912 IEC 60702-1 HD 604 S1 HD 623 S1 HD 626 S1 IEC 60092-350 TERNA UX LK101 TERNA UX LK102 TERNA UX LK201 TERNA UX LK302 KEPCO GS-6145-0031 KEPCO GS-6145-0032 KEPCO GS-6145-0081 KEPCO GS-6145-0094 KEPCO GS-6145-0099 KEPCO GS-6145-0102	ARN

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18	Cable accessories	Inspection by witnessing of tests execution Evaluate the results obtained by these tests	IEC 60055 –1,2 IEC 60502 –1,2,4 IEC 61442 IEC 62895 VDE 278 IEC 60840 IEC 62067 IEEE Std 404 IEEE Std 48 IEC 62271-209 HD 629.1 S3 ENEL DJ 4376 ENEL DJ 4378 ENEL DJ 4395 ENEL DJ 4397 ENEL DJ 4476 ENEL ENDESA NCDJ 4388 ENEL GSCC004 ENEL GSCC005 ENEL GSCC006 ENEL GSCC017 ENEL LJ 112 TERNA UX LK102 TERNA UX LK105 TERNA UX LK120 TERNA UX LK121 TERNA UX LK122 TERNA UX LK123 TERNA UX LK205 TERNA UX LK208 TERNA UX LK220 TERNA UX LK221 TERNA UX LK222 TERNA UX LK223 TERNA UX LK302 TERNA UX LK331 TERNA UX LK421	ARN

Metrologiewet artikel 7, Besluit meetinstrumenten en marktdeelnemers artikel 11 & 14
Besluit aangewezen instanties en interne instanties Metrologiewet
The accreditation for the specified activities is suitable for notification

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19	Kilowattuurmeters	Keuring na ingebruikname	Besluit meetinstrumenten en marktdeelnemers, artikel 5 Regeling gebruik en installatie EU meetinstrumenten, artikel 7 & 8	ARN