

ORDER no. 45 from September 7th, 2016

regarding the approval of the Regulations for undertakings certification to design, construct and verify electrical installations

ISSUER: THE ROMANIAN ENERGY REGULATORY AUTHORITY

PUBLISHED IN: THE OFFICIAL GAZETTE no. 730 from September 21st, 2016

Effective Date: September 21st, 2016

Updated form available on: November 21st, 2016

The current updated form is available from September 21st, 2016 **until the selected date**

Considering the dispositions of the [Government Emergency Ordinance no. 49/2009](#) regarding the freedom of establishment for service providers and freedom to provide services in Romania, approved with amendments by [Law no. 68/2010](#), amended, under provisions of [art. 9 paragraph \(1\) n\) and s\) of the Government Emergency Ordinance no. 33/2007](#) regarding the organization and functioning of The Romanian Energy Regulatory Authority, approved with amendments by [Law no. 160/2012](#),

the chairman of The Romanian Energy Regulatory Authority issues the following order:

ART. 1

The Regulation for undertakings certification to design, construct and verifies electrical installations, set out in the annex part of the present order.

ART. 2

The holders of licenses and certificates granted by The Romanian Energy Regulatory Authority and the operators active in the electricity sector carry out the provisions of this order.

ART. 3

At the effective date of the current order, the [Order issued by The Romanian Energy Regulatory Authority Chairman no. 23/2013](#) regarding the Regulation of the undertakings certification to design, construct and verify electrical installations, published in the Official Gazette of Romania, Part I, no. 271 bis and 271 of May 14th, 2013 with subsequent amendments is repealed.

ART. 4

The present order is published in the Official Gazette of Romania, Part I.

Chairman of the Romanian Energy Regulatory Authority,
Niculae Havrilet

Bucharest, September 7th, 2016.

No. 45.

ANNEX

REGULATION

for the undertakings certification to design, construct and verify electrical installations

CAP. I

General Dispositions

ART. 1

(1) The design, execution and verification of electrical installations are carried out by operators who hold a certificate issued under this regulation, under powers conferred on the type of certificate they hold, in compliance with law and regulations.

(2) The certificate holder cannot simultaneously hold two or more certificates granting the same powers.

(3) When an economic operator is granted a type certificate that includes, according to art. 8 para. (1), another type of certificate held by it simultaneously withdraws the certificate with the fewest skills.

ART. 2

The present Regulation establishes:

a) procedure for the certification of undertakings that design, execute and verify electrical installations, including specific provisions for the granting, amendment, endorsement, suspension, withdrawal or refusal of attestation;

b) the rights and obligations of the undertaking that holds a certificate, known as certificate holder.

ART. 3

The provisions of the Regulation apply to the undertaking applying for the certificate for the design, execution and verification of electrical installations, the undertaking referred to in Art. 4 paragraph (1) and the certificate holder during its validity.

ART. 4

(1) The undertaking, foreign legal person registered in an EU / EEA / Switzerland, has the right to provide services across borders, to achieve design work, execution and checking electrical installations in Romania, where it satisfies the following conditions:

- a) holds a document equivalent to a certificate issued under this Regulation, the appropriate types of works to be performed, issued by a public authority of the country of origin or any other entity in the country of origin, entitled to issue such a document;
- b) sends ANRE an application written in Romanian as set out in Annex no. 1, accompanied by an uncertified translation into Romanian of the document referred to in sub-paragraph a) an affidavit drawn up or translated in Romanian as illustrated in Annex no. 2 signed by the applicant's legal representative, in which he assumes the obligations resulting from the status of being a certificate holder and a registration document issued by the competent authorities in the country of origin, uncertified translated into Romanian;
- c) holds a confirmation issued by ANRE which recognizes its right to provide cross-border services in Romania, the model in the Annex no. 3 and confirmed that the requirements of sub-paragraph a), b) and e);
- d) during the course of the design, execution and verification of electrical installations, it respects the obligations in art. 31 corresponding types of work performed;
- e) confirms the payment of a fee equal to the rate of issuing a certification under art.12 for the type of certification for seeking skill equivalence.

(2) The undertaking, foreign legal person registered in a member country of the EU / EEA / Switzerland, has the right to provide services across borders, to achieve design work, execution and checking electrical installations in Romania, during the validity of the document referred to par. (1) a).

(3) The undertaking, foreign legal person registered in a country other than Switzerland or in a State which is not an EU / EEA Member State may request and obtain the granting of a certificate issued under this regulation if it fulfills the conditions for the appropriate type of certificate requested under this Regulation and has made Romania a secondary headquarters for the entire duration of the certificate. Compliance with the requirements of the regulation can be made including the submission of equivalent documents issued for this purpose in the company's home country, uncertified translated into Romanian form.

ART. 5

(1) The provisions of the regulation do not apply to the undertakings that are engaged in:

- a) activities of designing, manufacturing or supplying / trading of equipment or materials for use in electrical installations;
- b) activities of designing, execution and verification of low current installations of civil and industrial buildings;
- c) the execution of painting work of the supporting electricity networks and clearing the aerial passageway of the electric line.

(2) An undertaking which has, by law, the quality of a general contractor under a contract for work concluded with a beneficiary who does not hold a certificate granted by ANRE, has the right to subcontract the design, execution and verification of electrical installations, by agreement with the client investment are attributed to it only by undertakings certified under this Regulation and with the consent of the beneficiary. The general contractor is required to coordinate the implementation of all electrical installations through an employee holding his electrician certification, with an appropriate authorization for the voltage level at which the work needs to be done; the general contractor is responsible for the design, execution and verification of the implemented electrical installations, jointly with the undertaking certificate holder who was subcontracted for these works.

(3) Electricity producers, transmission and distribution system operators who hold licenses issued by ANRE for these activities, have the right to carry out design work, execution and verification of electrical installations in the electricity networks they exploit or are about to be part of the electricity networks they exploit, without the requirement of a certificate granted by ANRE, using its own trained and authorized personnel in accordance with legal provisions, the minimum requirements for facilities and personnel in Annexes no. 4 and 5, relating to the types of work performed, and the voltage level of the respective electrical installations..

ART. 6

(1) For the purposes of this Regulation, the terms used are defined as follows:

1. certificate - an administrative document for the applicant undertaking, which is granted its right to carry out, as appropriate, design, execution and verification works of electrical installations, within the limits and the provisions of this Regulation;
2. certification - the activity on granting a certificate to the undertaking for the design, execution and verification of electrical installations and targeting, modification, suspension or revocation of its certificate or refusal;
3. authorized electrician - natural person, holder of a card attesting the electrician certification, grade, type and extent of responsibility of the holder, issued under the Regulations for the authorization of electricians, design inspectors, technical execution managers, technical experts and extrajudicial personnel responsible for electrical installations, approved by order of ANRE chairman;
4. execution - all activities of a certified undertaking to develop / change electrical installation, technical projects and compliance with laws, rules, regulations, technical requirements and other regulations within the field of electrical installations. These activities include maintenance work requiring interventions on components of electrical installations;
5. electrical installation - set of associated electrical equipment that holds coordinated features to perform a given purpose; the electrical installation includes power plants, electricity networks and electrical installations for use; the electrical installation is part of the national electric power system or an isolated power system;
6. indoor electrical installation - electrical installation of low voltage sockets and lighting of the interior of a building;

7. maintenance - assembly of all technical and organizational actions that run on structures, installations (systems) and components that are in operation and taken to maintain or restore the necessary technical condition to carry out the functions for which they have been designed;

8. undertaking - legal person of public law (administrative unit or structure on its own motion, having legal personality) or person of private law, which gives the licit market products, services and / or performance of works and freelancers, individual enterprises and family businesses operating under [Government emergency Ordinance no. 44/2008](#) on economic activities by authorized individuals, sole proprietorships and family businesses, as amended and supplemented;

9. technical execution personnel - natural person, that holds a document certifying the quality of technical execution, issued by a public authority under the law;

10. regulation - Regulation for the certification of undertakings to design, execute and verify electrical installations, approved by [The Order of The Romanian Energy Regulatory Authority Chairman no. 45/2016](#);

11. sight term - date to be carried out for the verification of the conditions for continuing the activities subject to certification and application of the certificate;

12. certificate holder - undertaking holding a certificate granted by ANRE under this Regulation or the natural person who holds a certificate granted by ANRE under this Regulation and the undertaking that meets the requirements of Art. 4 para. (1));

13. project verifier - natural person, holding a document attesting the project verifier quality, issued by a public authority under the law;

(2) The abbreviations used are as follows:

1. ANRE - The Romanian energy Regulatory Authority;

2. ANRSC - the National Authority for Public Services of Communal Household or any other of its successors;

3. CA - The Attestation Commission;

4. MDRAP - The Ministry of Regional Development and Public Administration or any other of its successors having attribution in the constructions field;

5. RENAR - Romanian Accreditation Association, national organism of accreditation of testing/analysis laboratories, calibration metrology, inspection and certification bodies, <http://www.renar.ro>

6. RTE - technical execution personnel;

7. EEA - European Economic Area;

8. SEN - National Electric Power System;

9. SMC - Quality Management System;

10. EU - European Union.

CAP. II

Activities subject to certification

ART. 7

Categories of electrical installations, for which the design, execution and verification shall be done by a certified operator under this Regulation, are:

a) electrical low voltage installations: electrical installations that use low voltage, connections, overhead or underground low voltage electrical lines, transformers and stations (low voltage side), as well as the electrical part of power plants (low voltage side);

b) electrical medium voltage installations: electrical installations that use of medium voltage, overhead or underground medium voltage electrical lines, transformers and electrical stations (the medium voltage part) and the electrical part of the power plants (the medium voltage part);

c) high voltage electrical installations: electrical installations that use high voltage overhead or underground power lines and stations with nominal voltages greater than or equal to 110 kV.

ART. 8

(1) The certificates issued by ANRE are:

a) Type A certificate - equipment and electrical installations trials; skills include certificates of A2 and A1;

b) Type A1 certificate - testing equipment and low voltage electrical installations;

c) Type A2 certificate - equipment and electrical installations trials of low and medium voltage; It includes skills of the A1 type certificate;

d) Type A3 certificate - equipment and electrical installations trials for certification of power plants in technical compliance with the applicable technical norms;

e) Type B certificate - design and execution of interior/exterior overhead and underground electrical installations for civil and industrial constructions/enclosures, at the rated voltage of 0.4 kV; skills include certificates of Bp, Be, Bi and A1;

f) Type Bp certificate - design of interior/exterior overhead and underground electrical installations for civil and industrial constructions/enclosures, at the rated voltage of 0.4 kV;

g) Type Be certificate - execution of exterior/interior overhead and underground electrical installations for civil and industrial constructions/enclosures, at the rated voltage of 0.4 kV; Certificates of competence include Bi and A1;

h) Type Bi certificate - execution of exterior / interior electrical installations for civil and industrial constructions/enclosures; It includes skills certificate type A1;

i) Type C1A certificate - designing of overhead or underground electrical lines, with the rated voltage of 0.4 kV ÷ 20 kV substations with higher nominal voltage not exceeding 20 kV medium voltage stations, and the average electric high voltage power stations; Bp skills include type certificate;

j) Type C1B certificate - designing overhead or underground electrical lines, with the rated voltage of 0.4 kV ÷ 110 kV substations with higher nominal voltage of more than 20 kV medium voltage stations and 110 kV, and the medium voltage electrical substations with nominal voltages greater than or equal to 110 kV; include skills and qualifications type C1A and Bp;

k) Type C2A certificate - execution of overhead or underground electrical lines, with the rated voltage of 0.4 kV ÷ 20 kV substations with higher nominal voltage not exceeding 20 kV medium voltage stations, and the average electric high voltage power stations; skills include certificates of type Be, Bi, A2 and A1;

l) Type C2B certificate - execution of overhead or underground electrical lines, with the rated voltage of 0.4 kV ÷ 110 kV substations with higher nominal voltage of more than 20 kV medium voltage stations and 110 kV, and the medium voltage electrical substations with nominal voltages greater than or equal to 110 kV; skills include certificates of type Be, Bi, C2A, A2 and A1;

m) Type D1 certificate - design of overhead and underground electrical lines with any standardized nominal voltages; Certificates of competence include C1B type, C1A and Bp;

n) Type D2 certificate - execution of overhead and underground electrical lines with any standardized nominal voltages; skills include certificates of type C2B, C2A, Be, Bi, A, A2 and A1;

o) Type E1 certificate - designing substations, electrical stations and electrical installations belonging to the electrical part of power plants with any standardized nominal voltages; Certificates of competence include C1B type, C1A and Bp;

p) Type E2 certificate - execution of substations, electrical stations and the electrical part of power plants any standard; E2PA skills certificates include type, C2B, C2A, Be, Bi, A, A2 and A1;

q) Type E2PA certificate - performance of works on electrical protection and automation of electrical stations.

(2) The competences conferred to the proprietor of types of certificates of par. (1) are set out in annex no. 6.

(3) Holders of certificates can contract and carry out activities for the operation of electrical installations and power facilities owned by network operators, manufacturers or end customers to the powers conferred on the type of certificate held, consisting, as appropriate, in monitoring the operation of electrical installations preparation, coordination and maneuvers, as well as making maintenance activities.

(4) The types of certifications provided in par. (1) e), g), h), k), l), n), p) and q) include competences to carry out maintenance works on pedestrian and road street lampposts, temporarily festive and ornamental or decorative festive connected to the public electrical installations, under the certificate held and respect for [public lighting service requirements of Law no. 230/2006](#) and any applicable regulations issued by the competent authorities.

ART. 9

(1) The validity of any kind of certificate is unlimited.

(2) The validity of the certificate is subject to periodic verification and endorsement thereof under this Regulation. The sight term is the date that marks 5 years from the date of issue of the certificate or, where applicable, the date of its last sighting.

ART. 10

The certificates shall be granted and issued by ANRE, under this Regulation.

CAP. III

Procedure to request a certificate

ART. 11

(1) To obtain a certificate, the applicant, through his legal representative, registers an application for certification at ANRE, the form set out in annex no. 7, original. Within 5 working days from the date of filing, ANRE confirms registration to the applicant, and giving also information about the procedure for settlement of its claim.

(2) The application for the certification will be accompanied by supporting documents, depending on the type of certificate requested, written or translated into Romanian in uncertified form, in accordance with this Regulation.

(3) The undertaking going through bankruptcy procedures cannot apply for a certificate.

ART. 12

(1) The certification applicant is required to pay a fee for issuing the certificate for each type of certificate requested.

(2) The fee for issuing the certificate shall be fully paid before or at the time of filing the request under art. 11 para. (1)

(3) If it is found that within 5 working days from the filing date according to art. 11 para. (1) the fee for issuing the certificate was not transferred fully and effectively to the destination account, request ranks as the applicant is notified about this and about the possibility of the return application documents.

ART. 13

(1) An undertaking which takes over the activity that is the subject of a certificate as a result of certificate, if it plans to continue the activities subject to certification, is obliged to apply for a new certificate on its behalf within 30 days of the date on which the transfer takes effect or, where appropriate, the date of registration with the trade registry of the new undertaking set up.

(2) The applicant shall attach to the solicitation for a new certificate the documents showing the certificate holder reorganization or creation of the new undertaking, and the documentation provided by the Regulation to obtain this type of certificate.

(3) An undertaking which takes over the activity that is the subject of a valid certificate may develop that activity until obtaining a certificate in its name, but no later than 90 days from the date on which the transfer takes effect or, where applicable, its registration in the trade registry of the new undertaking set up, with the valid conditions associated with that type of certificate.

ART. 14

(1) The supporting documents attached to the application for issuing a certificate are:

a) the certificate issued by the trade register or the extract obtained from the database of the trade register, copy, reflecting the up to date situation of the applicant at the time of application for the authorization, on its condition, identification and ways of communication and its showing that the applicant has registered as a primary activity or secondary activities such as those subject to certification; For natural persons, the documents proving that the applicant meets the conditions set by the law on the organization of economic activities by naturals being recorded in Romania as self-employed, sole proprietorship or family business;

b) the list of technical and material facilities that the applicant owns or use, according to the model in the annex no. 8; facilities on the list must include at least those listed in annex no. 4 for the type of the requested certificate;

c) sheet on the undertaking's staff - staff structure / contracted personnel, available at the time of the certificate request, assigned activities subject to attestation drawn up under annex no. 9; personnel structure should include employees with the electrician quality with a minimum grade appropriate authorization and type the maximum voltage and the type of service requested for the certificate; the sheet will be accompanied by an extract from the electronic Register of employees (which complement the undertaking's level and is transmitted to the territorial labor inspectorate under the applicable rules), dated and signed by the legal representative of the applicant certified in that quality of being employed persons in the personnel structure, or, where appropriate, certified copy of the service contracts concluded with them;

d) affidavit of the legal representative, example after the annex no. 2 by which the liable undertaking on maintaining technical and material facility minimum level specified in annex no. 4 and ensure minimum staffing structure qualified and authorized provided in annex no. 5 when concluding contracts for carrying out one or more activities allowed under the type of certificate held and throughout the actual functioning of these activities and on compliance with obligations arising from the quality of the certificate holder;

e) documents proving the implementation in the undertaking of a quality management system (QMS) certificate of one of the companies accredited by RENAR or another similar body internationally, showing that the applicant carries out activities subject to certification in ISO 9001 conditions;

f) proof of payment of financial obligation established under art. 12.

(2) Regardless of the types of certification required documents provided in par. (1) they need to be transmitted in a single copy on paper, drafted or translated into Romanian in uncertified form, signed by the legal representative of the applicant on each page.

(3) The documents referred to in para. (1) can be transmitted in electronic format with electronic signature certificates belonging to the applicant through a portal which will be made available by ANRE for this purpose.

CAP. IV

The procedure for granting a certificate

ART. 15

(1) ANRE analyses whether the application and the attached documents submitted by the applicant comply with the provisions of this Regulation.

(2) ANRE, on its own initiative or following a received complaint, can check at the registered office or secondary offices / premises of the applicant, the authenticity of supporting documentation submitted by it as an annex to the application for accreditation and reality to those presented in those documents; the result of verification is part of a report, which forms an integral part of the documentation attached to the application for certification and signed by the ANRE representative and a representative of the applicant, who was present during the inspections conducted by ANRE.

ART. 16

(1) If the applicant's submitted documentation is incomplete or contains irregularities, ANRE sends a request, through a letter, to supplement or clarify it and provide the information on set deadlines for response and request processing.

(2) The applicant shall submit additions or clarifications requested by ANRE no later than 30 working days after receiving the notification. Additions / clarifications are analyzed and, where appropriate, the procedure laid down in para. (1) is resumed.

(3) If the applicant does not submit all additions / clarifications no later than 6 months from the date of filing, it ranks and as a result will be disposed of ANRE, the applicant is informed through a letter.

(4) The dismissal request for certification under para. (3) if the applicant submits a new claim for the same type of certificate within 30 days of the filing of the application, notwithstanding the provisions of art. 12 para. (1) and (2) the applicant shall pay only a percentage of 50% from issuance fee of certificate.

ART. 17

(1) At latest 10 days from the date on which the documentation is complete, the Directorate specialized in the ANRE shall prepare a report which proposes granting or refusing the certificate.

(2) The report is submitted for approval in the next meeting of the Attestation Commission.

(3) The decision to grant / refuse the certification and certificate shall be issued by ANRE within 5 days from the date of attestation commission meeting and notify the applicant to request a copy via fax or e-mail.

(4) Original certificates and decisions are taken from the ANRE premises by a legal representative or an authorized representative of the applicant.

(5) The decision to refuse the certificate contains the refusal reasons of the requested certificate.

ART. 18

- (1) The certificates referred to in art. 8 para. (1) are prepared according to the framework content provided in annex no. 10.
- (2) The issued certificate has a unique serial number, which is recorded in the order of issue, in an electronic register of ANRE.

CAP. V

The Attestation Commission

ART. 19

- (1) The Attestation Commission is appointed by decision of the ANRE chairman and consists of five (5) members, one of whom is the chairman, deputy chairman and three voting members, one of whom also serves as secretary of the commission.
- (2) The Attestation Commission operates under this Regulation and an internal procedure approved by ANRE, the meetings being led by its chairman and, in his absence, the deputy chairman.
- (3) Attestation Commission has the following attributes:
 - a) it examines the report on the settlement of the certification and decides the request for information / clarifications, certification or refusal to certify;
 - b) it examines the report and decides on the amendment, endorsement, suspension or revocation of the certificate.
- (4) The Attestation Commission's meetings are scheduled and conducted at least once in a calendar month, the date of the meeting and the proposed agenda being announced through the website of the ANRE at least 5 days before the hearing date.
- (5) The Attestation Commission's decisions are taken by a simple majority of votes, based on reports, and are recorded in a report drawn up at the meeting.
- (6) Based on the report provided in par. (5) ANRE:
 - a) issues a decision refusing or attesting the certification, changes, suspends or withdraws the certificate and, where appropriate, the certificate;
 - b) approves an existing certificate.
- (7) The Attestation Commission's meetings are conducted in the presence of at least 3 members.
- (8) If the vote is parity, the vote of the chairman / deputy chairman presiding is decisive.

ART. 20

- (1) The decision on granting, refusal to grant or approve a certificate will be made following the criteria:
 - a) the completeness and veracity of the attached documents in the application submitted by the applicant for certification, by reference to the provisions of this Regulation;
 - b) the existence of a minimal technical-organizational framework, at the time the certificate is obtained from the documents submitted by the applicant, enabling the certificate holder making efforts to conclude works contracts according to the type of certified skills held;
 - c) providing / maintaining a quality management system implemented by the applicant and certified as required by law;
 - d) the applicant's commitment, at the time the certificate, on the use of minimum staffing structure and minimal equipment during the actual functioning of the contracted works according to the powers resulting from the type of certificate held;
 - e) the granting of a new type of certificate to an undertaking who is the holder of another type of certificate evaluating the satisfaction of beneficiaries work done according to the certificate held, based on evaluations submitted by the applicant pursuant to art. 31 lit. h) in relation to the benchmarks set by ANRE annex no. 11;
 - f) when approving a certificate, the existence of appropriate organizational and technical framework resulting from the documents submitted by the applicant in relation to the obligations of the holder of the certificate provided for in Art. 31 lit. b) and c).
- (2) ANRE can refuse to issue a new kind of annual certificate whether the satisfaction of the beneficiaries are under the last 2 consecutive years of validity of another certificate owned by the same holder, below the reference values established by ANRE in the annex no. 11.

ART. 21

- (1) The decision to refuse to certify an undertaking may be appealed to ANRE within 15 days of the notification date.
- (2) The appeal shall be addressed and solved at the next meeting of the Attestation Commission after the filing of the appeal, being recorded in the report of the meeting.
- (3) The answer to the complaint should be communicated to the applicant within 5 days from the date of the Attestation Commission meeting.

CAP. VI

Periodic verification procedure and sight of the certificate

ART. 22

- (1) Within at least 60 days before the date of expiration of sight of the certificate, but no more than 120 days before that date, the holder of the certificate sends to ANRE, with an annexed address signed by its legal representative, for verification and validation of the certificate by ANRE, the documents referred to in art. 14 para. (1) a) -c) and e) updated the original certificate, and proof of payment of a charge on sight of the certificate, equal to 50% of the fee for issuing this type of certificate.

(2) In the address provided in par. (1) the certificate holder will specify if it has contracted or ongoing works. If that is the case, the list in art. 14 para. (1) b) must contain at least the material and technical facilities provided in annex no. 4 of the Regulation for this type of certificate and the list referred to in art. 14 para. (1) c) must contain at least the staff provided in annex no. 5 Regulation for this type of certificate.

(3) Based on the documents given under para. (1), the specialized department within ANRE checks the compliance by the certificate holder of the criteria laid down in art. 20 para. (1) a), c) and f). If the documentation is complete, the criteria for the certification are met and the fee of the certificate was actually transferred to the account of ANRE, the specialized department within ANRE shall prepare a report proposing the Attesting Commission to establish the conditions for the validation of the certificate.

(4) The report referred to in para. (3) is presented in the next meeting of the Attestation Commission that validates the required conditions for of the certificate.

(5) The validation of the certificate is achieved before the expiration date, with the ANRE certified stamp and registration on this date of the visa application and the next within sight.

(6) A certificate that was not validated before the expiration date lapses, the holder loses the rights therein. If you plan to continue the activities of the qualified applicant will have to resume the procedure for granting the certificate.

(7) The valid certificates can be picked up from the ANRE premises by the legal representative or an authorized representative of the certificate holder.

CAP. VII

The procedure for amending a certificate

ART. 23

(1) At the request of the certificate holder ANRE decides to change the certificate when one of the following situations occur:

- a) changing the name and / or legal form of the certificate holder;
- b) relocation of the headquarters of the certificate holder.

(2) ANRE shall be informed of the situations laid down in para. (1) by the certificate holder within 10 days of their occurrence, with the application to amend the certificate, along with documents confirming changes to the certificate holder and proof of payment of the fee for amending the certificate which amounts to 25% from the granting of this type of certificate.

(3) In the case of the occurrence of par. (2), the request for the modification shall be settled by issuing a new modified certificate, with the same serial number and the same sight date.

(4) In the circumstances justified by legislative amendments or regulations, ANRE may decide to amend a certificate on its own initiative, in which the holder will not be charged a fee.

ART. 24

(1) Within 10 days of the date of the completion of the documentation, the specialized directorate from ANRE shall prepare a report which proposes to amend the certificate.

(2) The report referred to in para. (1) is subject to approval in the next meeting of the Attestation Commission.

(3) If approved, the decision to amend the certificate and the modified certificate shall be issued by ANRE within 5 days from the date of the Attestation Commission meeting and communicated to the applicant, copy, by fax or e-mail.

(4) Amended certificates and decisions can be picked up from the ANRE premises by a legal representative or an authorized representative of the certificate holder.

ART. 25

In case of the loss or destruction of the certificate, at the request of the certificate holder, ANRE may issue a duplicate after the presentation of the documents proving that the notice of loss/destruction was made public in a national newspaper, and after paying a fee for a duplicate.

CAP. VIII

Suspension or revocation of certificate

ART. 26

(1) After the notification of a certificate holder, the referral to a third person or to a finding by the ANRE office, ANRE may decide to suspend a certificate in the following situations:

- a) if the certificate holder shows that he repeatedly violates an obligation under art. 31, except art. 31 b) and c). By "repeatedly" means at least 2 times in a period of 1 year for the same obligation;
- b) if it is found that the certificate holder does not comply with the obligations regarding the appropriate staff and / or authorized under art. 31 b) or obligations on ensuring minimal technical facilities provided for in art. 31 c);
- c) if not conforming with a compliance measure ordered by ANRE on the performance of an obligation imposed on him as the certificate holder;
- d) on a reasoned request certificate holder;
- e) if yearly satisfaction of beneficiaries in the past 3 consecutive years of validity of the certificate, are below the reference values established by ANRE in the annex no. 11.

(2) In the situation provided in par. (1) b) the decision ordering the suspension of the certificate ANRE establishes compliance measures for the certificate holder during the suspension, with deadlines of carrying out.

(3) The conditions concerning the termination of suspension and / or the timeframe of the suspension are set by the decision ordering the suspension of a certificate.

(4) In the case under para. (1) e) the duration of suspension of the certificate is 6 months from the date of issue of the suspension decision. A new suspension on the grounds referred to para. (1) e) can take place only after one year from the completion of previous suspensions.

(5) During the suspension of a certificate the certificate holders' rights provided for in art. 30 are suspended. In the case under para. (1) e) if the certificate holder has, from issuing, suspending ongoing contracts concluded according to the rights conferred by that type of certificate, it may carry out, based on the certificate suspended activities / work required to complete those contracts.

ART. 27

After the notification of a certificate holder, the referral to a third person or to a finding by the ANRE office, ANRE may decide to withdraw a certificate in the following situations:

a) in case of bankruptcy of the holder or its deletion from the trading register; in these situations, ANRE shall be notified by the certificate holder within 10 days from the date of their appearance, along with the application to withdraw the certificate and documents confirming, as appropriate, bankruptcy or cancellation of certificate holder;

b) if the certificate holder has been suspended by ANRE and, during the suspension did not meet such and / or on time a compliance measure arranged by ANRE;

c) if during a suspension by ANRE the certificate holder conducted activities or works related to the skills covered by the suspended certificate under the provisions of annex no. 6;

d) if the certificate holder requested and was granted by ANRE a new certificate that includes the held certificate skills ; in this situation, with the new awarded certificate, the initial certificate will be withdrawn by ANRE, whose competences will be exercised according to the new awarded certificate;

e) in the situation referred to in art. 13 para. (1) the undertaking certificate holder transfers to another undertaking the activity that is the subject of a valid certificate;

f) on a reasoned request certificate holder.

ART. 28

In deciding whether to suspend / withdraw a certificate, ANRE takes account of the certificate holder's ongoing contracts and the effects they may have after the suspension/ withdrawal of the certificate on a user / network operator or the supply of electricity to the final customer, industry or assimilated, being a party to those contracts.

ART. 29

(1) The directorate of the ANRE shall prepare a report calling for the suspension / withdrawal of a certificate.

(2) The report referred to in para. (1) is subject to approval in the next meeting of the Attestation Commission.

(3) If approved, the decision to suspend / withdraw the certificate is issued by ANRE within 5 days from the date of the Attestation Commission meeting and communicated to the applicant, copy, by fax, email or postal service.

(4) The decisions to suspend / withdraw can be picked up from the ANRE premises by the legal representative or an authorized representative of the certificate holder.

CAP. IX

Rights and obligations of the certificate holder

ART. 30

(1) During the validity period of the certificate, the certificate holder has the right to conduct and to carry out tasks according to the competences conferred on the type of certificate that he owns, provided in annex no. 6.

(2) During the validity period of the certificate, the certificate holder has the right to subcontract the design, execution and verification of electrical installations or parts of them, in compliance with art. 31 d).

ART. 31

During the validity period of the certificate, the certificate holder has the following obligations:

a) to abide the laws, the Regulation, the rules, regulations and technical regulations in force, and any regulations issued by ANRE applicable certified activities, including those concerning the protection of people, goods and activities;

b) when contracting work/activities allowed under the type of certificate held, as well as during them, the holder need to have a minimum qualified/authorized personnel structure according to annex no.5, for the type of the held certificate and to allocate the personnel to the contracted work/activities;

c) during performance of the contracted works according to the type of certificate owned by the certificate holder must have ownership or use at least minimal amenities provided in annex no. 4;

d) to subcontract the electrical installations or parts of them only to a certificate holder that has appropriate competences to the types of work that it subcontracts;

e) develops the electrical installation works carried out only in the competences laid down in the Regulation for the type of certificate held;

- f) develops electrical installation works carried out only after obtaining all authorizations, agreements and approvals by applicable law;
- g) submits to ANRE, just and forward any information or document required under the law, which is necessary for ANRE activity, including notifications and reporting obligations under Regulation;
- h) submits to ANRE annually until the date of expiration of each year of validity of the certificate, in electronic format to an e-mail address made available for this purpose, a list of contracts related to the designs / executions / verifications concluded in the past 12 months and those completed in the last 12 months, the form set out in annex no. 12; after ANRE requests, the holder will send within 10 days of the notification request copies of appraisals for each completed work made using the model in annex no. 13, and copies of the takeover on completion of execution of electrical installations, signed by the beneficiary or, if the design works made copies of the documents of approval issued by beneficiaries;
- i) complies the measures to meet the deadlines imposed by ANRE;
- j) to allow ANRE representatives access for conducting audits / inspections / checks in accordance with regulations;
- k) the holder of certificates that allow him the preparation of design documentation must ensure that they are subject to verification by authorized verifier of projects in the field of electrical installations, in accordance with the legal provisions in force and in accordance with the requirements and applicable technical rules that have not participated in drawing up the draft;
- l) the holder of certificates that allow execution of the electrical installations must execute these works only on the basis of design documentation developed by using certified and verified by authorized persons verifier of projects in accordance with legal provisions in force;
- m) holder of certificates which allows the execution of electrical installations must ensure that these works are verified by an authorized person as construction supervisors who participated in carrying out the work in accordance with current legislation and regulations and applicable technical rules;
- n) establishes and maintains a system for recording and resolving complaints made against him by clients about how they carry out activities for which it is certified, and transmits, at the request of ANRE, information on complaints registered and their settlement;
- o) maintains a certified quality management system throughout the period of validity of the certificate at the level of the corresponding type of certificate held;
- p) does not engage in potential anticompetitive practices and not hinder other holders of certificates to engage in contracting or construction activities for which they have been certified;
- q) ensures equal treatment of customers;
- r) requests its clients to complete an evaluation form for each completed work made using the model in annex no. 13.

CAP. X

Liability and sanctions

ART. 32

Failure to comply with the regulation shall entail administrative contravention and / or criminal liability under the law in force.

ART. 33

The activities of design, execution and verification of electrical installations are prohibited for any legal or natural persons who do not hold the certificate for the type of work done.

ART. 34

The finding and punishing offenses are made under the law.

ART. 35

The failure and / or improper fulfillment by the holder of certificate of obligations imposed by law in carrying out activities subject to the certification do not attract criminal, civil, administrative or ANRE entail and the undertaking's certification does not lead to a transfer of responsibilities from ANRE nor does it relieve them of their obligations.

CAP. XI

Transitional and final provisions

ART. 36

The decisions on the granting, refusal, amendment, suspension or revocation of certificates can be challenged in an administrative court.

ART. 37

(1) ANRE can make available, on request in writing, any documents developed to address a request regarding the granting, amendment, suspension or revocation of a certificate.

(2) Access to documents containing secret data and information which are in accordance with relevant legislation, data and confidential or commercially sensitive information whose dissemination may harm natural persons / legal entities or institutions / public authorities are not be to public.

ART. 38

(1) The certificates previously issued and valid under the entry into force of this Regulation shall remain valid for the period for which they were issued. If the undertaking certificate holder wishes to continue the activities subject to certification, it may require getting a new certificate on the basis of current regulations and conditions.

(2) The certificate holders provided in para. (1) have the rights, competences and obligations under this Regulation.

(3) The competences of the type E2MT certificate, issued under [The Order by the Chairman of The Romanian Energy Regulatory Authority no. 23/2013](#), as amended and supplemented, are identical to the type C2A certificate under this Regulation.

(4) Types F, Fv, Fd of certification issued before the entry into force of this Regulation shall become invalid upon the entry into force of this Regulation, ANRE activities not being subject to certification, according to art. 5 para. (1) c).

[ART. 39](#)

The ANRE fees for this following Regulation will be established and updated annually by order of the ANRE's Chairman.

[ART. 40](#)

Based on a specific procedure ANRE in its attestation procedure can work with professional associations of public utility engaged in electricity.

[ART. 41](#)

(1) Published on ANRE's website:

- a) the list of decisions to grant / refusal;
- b) the list of certificate amendments;
- c) list of decisions on suspension / withdrawal of certificates;
- d) the list of certificate applications refused or dismissed;
- e) list of in force certificates, those suspended, specifying the period of suspension, as well as those withdrawn.

(2) ANRE can publish on its portal, data and information contained in the lists submitted by them according to the requirement of art. 31 h) and satisfaction of beneficiaries values of contracts completed by certificate holders.

[ART. 42](#)

Annexes no. 1 to 13 are an integral part of this Regulation.

[ANNEX 1](#)

of the Regulation

APPLICATION FORM EXAMPLE

of confirmation of the right to provide
cross-border services for the developing

design, execution and verification of electrical installations work in Romania

To: The Romanian Energy Regulatory Authority - ANRE

Mister Chairman,

The undersigned,, owner of the ID / Passport series no., issued by on, as ...(administrator / CEO etc.)..., legal representative of the undertaking, headquartered in the state (member of EU / EEA / Switzerland), address (full office register), ask for the confirmation of the right to provide services across borders, to achieve design , execution and verification works of electrical installations in Romania, within the powers granted to the following type of certificate / following types of certificates:(Mention the types of the appropriate certificates).....

It is accompanied by the documents specified in the schedule.

I mention that I represent the undertaking:

- registered in the Trade Register under no.;
- has a tax ID no. and
- account no. opened at the(the name / location of the bank where the account is opened)..... Bank.

For communication with the Romanian Energy Regulatory Authority I'd like you to know that I can be contacted directly at the premises of the undertaking, as well as the landline no., fax no., mobile phone or by proxy:....., at the landline no., fax no., mobile phone(notary or attorney proxy is attached, in accordance with the law).....

Knowing the Criminal Code regarding false statements, I certify on oath of the truthfulness and authenticity of all documents submitted.

Date

Signature of the legal representative (original)

.....

ANNEX 2
of the Regulation

EXAMPLE OF DECLARATION
on own responsibility for maintaining facilities and structure
personal and compliance as the certificate holder

AFFIDAVIT

The undersigned,, personal identification number....., owner of the ID series..... no., issued by
on, as(administrator/CEO etc.)....., legal representative of the undertaking, with its headquarters
in....., str. no., unit, staircase, ap., county, registered with the Trade Register
under no. having unique registration code no....., knowing the provisions of the Criminal Code regarding false statements, hereby declare the following:

1. The duration of the certificate granted by the Romanian Energy Regulatory Authority (ANRE) I undertake on behalf and for the account of the certificate holder that it will be maintained by the certificate holder with the minimum technical and material facilities specified in Annex no. 4 of the Regulation for undertakings certification to design, execution and verification of electrical installations, approved by [The Order of The Romanian Energy Regulation Authority Chairman no. 45/2016](#) or provided any further regulation approved by ANRE.

2. During the period of the certification granted by ANRE I undertake on behalf and for the account of the certificate holder that at the conclusion of contracts for carrying out one or more activities (services / works) allowed under the type of certificate and during the whole effective of these activities (services / works) there will be provided by the certificate holder at least the minimal qualified and authorized structure of personnel specified in Annex no. 5 of the Regulation for undertakings certified to design, execute and verify electrical installations, approved by Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#) or provided any further regulation approved by ANRE.

3. During the period of certification granted by ANRE I undertake on behalf and for the account of the certificate holder that it will comply with all rules, regulations and legal provisions regarding work performed and services rendered, and that it will carry out works electrical equipment only to the extent permitted under type certificate granted by ANRE.

Date

Signature of the legal representative (original)
.....

ANNEX 3
of the Regulation

CONTENT-FRAMEWORK
confirmation of an address issued by
The Romanian Energy Regulation Authority

The Romanian Energy Regulation Authority - ANRE

In consideration of the application submitted to ANRE with no. / [DD.MM.YYYY] and the documents submitted by the applicant, noting that the performance by the requirements contained in art. 4 para. (1) a), b) and e) of Regulation for undertakings certification to design, execute and verify electrical installations, approved by Order of the Chairman of the Romanian Energy Regulation Authority No.. [45/2016](#), the following is issued

CONFIRMATION

which recognizes the right of the..... [name of the applicant],
with the identification data [after case, no. registration in the Trade Register, ID tax no. etc.]
to provide cross-border services in Romania development of design, execution and verification work of electrical installations in Romania, within the powers granted to the following type/types of certificates: [type / types of certificates art. 8 para. (1) of Regulation approved by Order of the Chairman of the Romanian Energy Regulatory Authority no.[45/2016](#)].....

for [related description from art. 8 para. (1) of Regulation approved by Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#)].....,
 for a period of time from the date of this confirmation and until..... [DD.MM.YYYY]

During the validity of this confirmation [name of the applicant] has the rights and obligations under the Regulation for undertakings certification to design, execute and verify electrical installations, approved by the Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#), and any other applicable regulations approved by ANRE.

Failure and / or improper fulfillment by [name of applicant] of the obligations imposed by law in carrying out the activities subject to the certificate / certificates referred to above do not attract / not entail criminal, civil, administrative, administrative or material liability for ANRE, and providing this confirmation does not lead to the transfer of responsibilities to ANRE nor relieve the [name of applicant] to its obligations

Emission date

Chairman,

ANNEX 4
 of the Regulation

LIST
 of the minimal facilities for each type of certificate

Table no. 1

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
A	- space for functional services/ project sites ; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment, etc.).	- passenger and materials transport by car	- toolboxes (electrician, mechanic); - portable tools.	- devices for measuring ground outlets resistance - autotransformer 230/250 V, 8 A; - current kit 1200 A; - clamp type ammeter 0-100 A; - separation transformer 230 V/50-70 V; - laboratory current transformer 25 A-50 A-100 A/5 A; - megohmmeter or inductor 500-2500 V d.c.; - increased voltage testing kit, 2 kV, a.c. with shutter in case of failure; - current kit 2000 A; - autotransformer 230/250 V, min. 18 A; - ammeter 30 A and voltmeter d.v. 0,045 V-15 V or resistance measurement kit (in the order of tens of mΩ) or equivalent; - universal digital multimeter or universal analog multimeter; - stopwatch (with 0,01 s resolution) - apparatus for measuring oil dielectric strength ; - current-voltage kit (min. 0-20 A a.v., 0-440 V a.v.); - increased voltage testing kit,	-

				50 kV a.v., 75 kV d.c., with shutter in case of failure and measurement system for leakage current.	
--	--	--	--	---	--

ST

Table no. 2

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
A1	- space for functional services/ project sites ; - storages/warehouses (for tools, devices, measurement tools, materials, machinery equipment, etc.).	- passenger and materials transport by car.	- toolboxes (electrician, mechanic); - portable tools.	- devices for measuring ground outlets resistance; - clamp type ammeter 0-100 A; - megohmmeter or inductor 500-1000 V d.c.; - universal digital multimeter or universal analog multimeter.	-

ST

Table no. 3

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
A2	- space for functional services/ project sites ; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment, etc.).	- passenger and materials transport by car.	- toolboxes (electrician, mechanic); - portable tools.	- devices for measuring ground outlets resistance; - clamp type ammeter 0-100 A; - increased voltage testing kit, 2 kV a.c. with shutter in case of failure; - megohmmeter or inductor 500-1000 V d.c.; - ammeter d.c. 30 A and voltmeter d.v. 0,045 V-15 V or resistance measurement kit (in the order of tens of M Ω) or equivalent; - universal digital multimeter or universal analog multimeter.	-

ST

Table no. 4

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
A3	- space for functional services/ project sites ;	- passenger and materials transport by car.	- toolboxes (electrician, mechanic);	- Acquisition system and dedicated software with minimum performance: a) 16 analog input channels with binary	-

	<p>- storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment, etc.).</p>		<p>- portable tools.</p>	<p>conversion through successive approximations or acquisition system type modbus/IEC101/104, with possibilities of taking measurements of available power, wind speed and confinement measures, from equipment inside dispatchable electrical wind power plants (DEWP),</p> <p>b) 12-bit resolution,</p> <p>c) programmable input field, bipolar,</p> <p>d) 0,015% precision of the read value,</p> <p>e) linearity +/- 1 bit,</p> <p>f) acquisition rate: of 0,5-0,1 s (minimum 0,5 s for each acquired measure), and for short recording periods of 10 min. it will ensure a recording speed of minimum 40 ms,</p> <p>g) global positioning system (GPS) for time stamps,</p> <p>h) possibility of recording in "xls" files.</p> <p>- Transducers P, Q, U having minimum performance:</p> <p>a) precision: better than 0,3% of nominal value ;</p> <p>b) response time at 99% ≤ 500 ms.</p> <p>- Frequency transducer with minimal performance:</p> <p>a) measuring field: (45-55) Hz/-20 mA/+ 20 mA,</p> <p>b) precision class: maximum 0,2% (better than ≤ 0,005 Hz),</p> <p>c) response time (< 100 ms): maximum 4 intervals of the measured frequency (80 ms at 50 Hz).</p> <p>- Variable frequency generator with minimal performance:</p> <p>a) resolution < 2 mHz (at 50 Hz) stabilized with quartz;</p> <p>b) sinusoidal output signal (0-100 V ac) frequency: 45-55 Hz,</p> <p>c) the generated frequency can be varied in steps or with a ramp of: 1 Hz/sec.</p> <p>- Class A power quality analyzers, with GPS, with the possibility of calculating disturbances on different time intervals, predetermined, or determined post-registration, such as: determining the disturbance on a time interval during which each reading was made, but also on a one week interval (standardized). The analyzer must be capable of recording power quality during all tests but also during a period of minimum 2 weeks of DEWP functioning.</p>	
--	--	--	--------------------------	---	--

ST

Table no. 5

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing verification devices	Stationary items
-------------	---	-----------	----------------	--	---------------------

B	- space for functional services/ project sites ; - workshop/workshops; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.).	- passenger and materials transport by car; - autotelescope/ telescopic boom (TB) .	- electrical crimping pliers; - toolboxes (electrician, mechanic); - portable tools.	- megohmmeter 1000 V; - voltmeter a.v. 0-300 V, cl. 1,5; - devices for measuring ground outlets resistance; - measuring tapes of minimum 2 m; - calipers.	- PC configurations; - professional software for power, electrical, mechanical and financial calculations, - computer aided design equipment (normal printers, graphical printers, copier).
---	---	--	--	---	---

ST

Table no. 6

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
Be	- space for functional services/project sites ; - workshop/workshops; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.).	- passenger and materials transport by car; - autotelescope/ telescopic boom (TB) .	- electrical crimping pliers; - toolboxes (electrician, mechanic); - portable tools.	- megohmmeter 1000 V; - voltmeter a.v. 0-300 V, cl. 1,5; - devices for measuring ground outlets resistance; - measuring tapes of minimum 2 m; - calipers.	-

ST

Table no. 7

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
Bp	- space for functional services/project sites ; - workshop/workshops.	-	-	-	- PC configurations; - professional software for power, electrical, mechanical and financial calculations; - computer aided design equipment (normal printers, graphical printers, copier) .

ST

Table no. 8

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
Bi	- space for functional services/project sites ; - workshop/workshops; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.).	- passenger and materials transport by car.	- electrical crimping pliers; - toolboxes (electrician, mechanic); - portable tools.	- megohmmeter 1000 V; - voltmeter a.v. 0-300 V, cl. 1,5; - devices for measuring ground outlets resistance; - measuring tapes of minimum 2 m; - calipers.	-

ST

Table no. 9

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measurement, testing, verification devices	Stationary items
C1A	- space for functional services and design activities.	- transport means for passengers and surveying equipment .	- theodolite, level staff, cones, tape measure (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) .	-	- PC configurations and professional software for power, mechanical financial calculations in the field of electrical networks with rated voltages of 0,4-20 kv; - computer aided design equipment (normal printers, graphical printers, copier)

ST

Table no. 10

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
C2A	- space for functional services/ project sites ; - workshop/workshops; - storages/warehouses	- crane; - autotelescope/ telescopic boom (TB) ;	- devices and tools for mounting LES accessories (such as: bushing kit, scraper, press dies, Brener	- megohmmeter 1000 V, 2500 V; - universal digital or analog multimeter cl. 1,5; - voltage indicators for 0,4-20 kv; - devices for measuring ground outlets resistance	-

	(for tools, devices, measurement tools, materials, machinery, equipment etc.).	<ul style="list-style-type: none"> - passenger and material transport by car ; - special machinery for digging or drilling. 	<ul style="list-style-type: none"> tank, digging tools, flashlight with rechargeable batteries, indicator device for current etc.) ; - devices and tools for mounting LEA accessories (such as: electrical crimping pliers, socket kit, fixed kit, isolated kit, rack, tackle, dynamometer, etc.); - device for measuring LEA conductors arrows; - mobile short-circuiters, minimum 2 sets; - toolboxes (electrician, mechanic); - autogenous welding machine; - portable tools; - theodolite (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) . 	<ul style="list-style-type: none"> ; - devices or toolbox for measuring contact resistance; - field binoculars; - measuring tapes, calipers. <p>For medium voltage stations and medium voltage electrical part of high voltage stations</p> <p>:</p> <ul style="list-style-type: none"> - megohmmeter 5000 V; - Wheatstone bridge, Thomson bridge or equivalent for measuring dielectric loss angle of voltage generation up to 10000 V; - power source for generating a primary current (transformer, generator). 	
--	--	--	---	---	--

ST

Table no. 11

T

Font 7

Certif type	Technological/ non-technological spaces	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
C1B	<ul style="list-style-type: none"> - space for functional services and design activities . 	<ul style="list-style-type: none"> - transport means for passengers and surveying equipment . 	<ul style="list-style-type: none"> - theodolite, level staff, cones, tape measure (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) . 	-	<ul style="list-style-type: none"> - PC configurations and professional software for power, mechanical and financial calculations, in the field of electrical networks with a rated voltage of 0,4-400 kV; - computer aided design equipment (normal printers, graphical printers, plotter*, copier or other multiplication means).

ST

Table no. 12

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
C2B	<ul style="list-style-type: none">- space for functional services/ project sites ;- workshop/workshops;- measurement/electrical testing laboratory;- storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.).	<ul style="list-style-type: none">- crane;- autotelescope/ telescopic boom (TB) ;- PRAM autolab- special machinery for digging or drilling;- motocompressor;- transport means for passengers, materials and equipment.	<ul style="list-style-type: none">- devices and tools for mounting LES accessories (such as: bushing kit, scraper, press dies, Brener tank, digging tools, flashlight with rechargeable batteries, indicator device for current) ;- devices and tools for mounting LEA accessories (such as: electrical crimping pliers, socket kit, fixed kit, isolated kit, rack, tackle, dynamometer, etc.);- device for measuring LEA conductors arrows;- portable tools;- crimping pliers;- mobile short-circuiters, minimum 2 sets;- toolboxes (electrician, mechanic);- autogenous welding machine;- mobile device for lifting metal poles ;- breaking car;- pulling car;- trolley with brake ;- mechanical press for spliced clamps ;- theodolite (for cases when cadaster/	<ul style="list-style-type: none">- megohmmeters 1000 V, 2500 V;- universal digital or analog multimeter cl. 1,5;- autotransformer 230/250 V, 8 A;- current-voltage kit;- voltage indicators for 0,4-400 kV;- devices for measuring ground outlets resistance ;- devices or kits for measuring contact resistance;- field binoculars;- measuring tapes, calipers. <p>For medium voltage stations 110 kV and medium voltage electrical part of high voltage stations with nominal voltage bigger or equal to 110 kV:</p> <ul style="list-style-type: none">- megohmmeter 5000 V;- Wheatstone bridge, Thomson bridge or equivalent for measuring dielectric loss angle of voltage generation up to 10000 V;- power source for generating a primary current (transformer, generator).	-

			surveying responsibilities are handled by the applicant's staff)		
--	--	--	--	--	--

ST

Table no. 13

T

Font 7

Certif type	Technological/ non-technological spaces	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
D1	- space for functional services and design activities .	- transport means for passengers and surveying equipment .	- theodolite, level staff, cones, tape measure (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) .	-	- PC configurations and professional software for power, mechanical and financial calculations, in the field of electrical networks with a rated voltage of 0,4-400 kV; - computer aided design equipment (normal printers, graphical printers, plotter*, copier or other multiplication means).

ST

Table no. 14

T

Font 7

Certif type	Technological/ non-technological spaces	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
D2	- space for functional services/ project sites ; - workshop/workshops; - measurement/electrical testing laboratory; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.).	- crane ; - autotelescope/ telescopic boom (TB) ; - PRAM autolab - special machinery for digging or drilling; - motocompressor; - transport means for passengers, materials and equipment.	- devices and tools for mounting LES accessories (such as: bushing kit, scraper, press dies, Brener tank, digging tools, flashlight with rechargeable batteries, indicator device for current); - devices and tools for mounting LEA accessories (such as: electrical crimping pliers, socket kit, fixed kit, isolated kit , rack, tackle, dynamometer, etc.); - device for measuring	- megohmmeter 1000 V, 2500 V; - universal digital or analog multimeter cl. 1,5; - autotransformer 230/250 V, 8A; - current-voltage kit; - voltage indicators for 0,4-400 kV; - devices for measuring ground outlets resistance - devices or kits for measuring contact resistance ; - field binoculars; - measuring tapes, calipers.	-

			LEA conductors arrows ; - portable tools; - crimping pliers; - mobile short-circuiters, minimum 2 sets; - toolboxes (electrician, mechanic) - autogenous welding machine; - mobile device for lifting metal poles ; - breaking car; - pulling car; - trolley with brake ; - mechanical press for spliced clamps; - theodolite (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) .	
--	--	--	--	--

ST

Table no. 15

T

Font 7

Certif type	Technological/non-technological areas	Machinery	Tools, devices	Measuring, testing, on devices	Stationary items
E1	- space for functional services and design activities .	- transport means for passengers and surveying equipment .	- theodolite, level staff, cones, tape measure (for cases when cadaster/surveying responsibilities are handled by the applicant's staff) .	-	- PC configurations and professional software for power, mechanical and financial calculations in the field of electrical networks with a rated voltage of 0,4-400 kV; - computer aided design equipment (normal printers, graphical printers, plotter*, copier or other multiplication means).

ST

Table no. 16

T

Font 7

Certif	Technological/				Stationa
--------	----------------	--	--	--	----------

type	non-technological spaces	Machinery	Tools, devices	Measuring, testing, verification devices	ry items
E2	<ul style="list-style-type: none"> - space for functional services/ project sites ; - workshop/workshops; - measurement/electrical testing laboratory; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.). 	<ul style="list-style-type: none"> - crane; - autotelescope/ telescopic boom (TB) ; - trailer for gear replacement; - PRAM autolab - electroinsulating oil reconditioning facility ; - special machinery for digging or drill - motocompressor; - transport means for passengers, materials and equipment. 	<ul style="list-style-type: none"> - devices and tools for mounting bars accessories (measuring tapes, calipers, interior/exterior micrometers, normal cell kits and clocks, specific work security equipment for HV work etc.); - crimping tools; - mobile short-circuiters, minimum 2 sets; - toolboxes (electrician, mechanic) - autogenous welding machine; - portable tools. 	<ul style="list-style-type: none"> - megohmmeters 1000 V, 2500 V, 5000 V; - facility for measuring leakage current, at 50 kV DC voltage; - kit for measuring voltage drop, with In = 100 A DC; - universal digital or analog multimeter; - autotransformer 230/250 V, 8 A; - power source for generating a primary current (transformer, generator); - Wheatstone bridge, Thomson bridge or equivalent for measuring dielectric loss angle of voltage generation up to 10000 V; - current-voltage kit; - minute kit or equivalent for measuring switching time; - polarity device; - voltage indicators for 0,4-400 kV; - device for measuring ground outlets resistance ; - device for measuring contact resistance. 	-

ST

Table no. 17

T

Font 7

Certif type	Technological/ non-technological areas	Machinery	Tools, devices	Measuring, testing, verification devices	Stationary items
E2PA	<ul style="list-style-type: none"> - space for functional services/ project sites ; - workshop/workshops; - storages/warehouses (for tools, devices, measurement tools, materials, machinery, equipment etc.). 	<ul style="list-style-type: none"> - PRAM autolab - transport means for passengers, materials and equipment. 	<ul style="list-style-type: none"> - devices and tools for mounting bars accessories (measure tapes, calipers, interior/exterior micrometers, normal cell kits and clocks, specific work security materials for LV and MV etc.) - crimping pliers; - toolboxes (electrician, mechanic) - portable tools. 	<p>Measuring, testing, verification devices:</p> <ul style="list-style-type: none"> - megohmmeters 1000 V, 2500 V, 5000 V; - facility for measuring leakage current, at 50 kV DC voltage; - kit for measuring voltage drop, with In = 100 A DC; - universal digital or analog multimeter; - power source for generating a primary current (transformer, generator); - Wheatstone bridge, Thomson bridge or equivalent for measuring dielectric loss angle of voltage generation up to 10000 V; - current-voltage kit; - minute kit or equivalent for measuring switching times; - polarity device; - device for measuring ground outlets resistance ; - device for measuring contact resistance. 	-

ST

ANNEX 5
of the Regulation

THE LIST
of minimum personnel that must be provided during
work carried out according to each type of certificate

T

Font 7

Certif type	Tier (1) number of authorized electricians						Qualified electricians	Electrical engineer/ sub- engineer (5)	Health & safety responsible (2), (4)	Cadaster, geodesy and surveying responsible (4)	Technical responsible with execution (3), (4)
	IIA	IIB	IIIA	IIIB	IVA	IVB					
A				1		1	2		1		
A1		1					1		1		
A2				1			1		1		
A3				1				1	1		
B	1	1					1				
Bp	2										
Be		1					1				
Bi		1					1				
C1A			2						1	1	
C1B					2			2	1	1	
C2A				1			5		1	1	1
C2B						1	10	1	1	1	1
D1					2			3	1	1	
D2						1	15	1	1	1	1
E1					2			2	1	1	
E2						1	15	1	1	1	1
E2PA						1	2	1	1		1

ST

NOTES:

(1) For the certificate type B, where a grade type A and a grade B electricians are specified, the requirement is also met by one person holding simultaneously the degree of A, and on the type B.

(2) Responsible for occupational safety and health (OSH), having regard to the provisions of the [Occupational Safety and Health Law no. 319/2006](#), as amended, or other later legislation.

(3) The technical execution is authorized by ANRE for electrical installations in accordance with the legal provisions in force, and MDRAP in the areas of civil, industrial and agricultural domains, in accordance with [Law no. 10/1995](#) regarding quality in constructions, republished, as amended and supplemented.

(4) The requirements for ensuring a responsible for health and safety (OHS), a manager in cadaster, geodesy and cartography, ie a technical supervisor can be met cumulatively by any of the persons forming part of the structure staff allocated to activities that can be undertaken by the certificate holder, holding in addition those qualities.

(5) The phrase "engineering / electrical engineering assistants profile" means any engineer / engineer with a diploma in one of the areas / specializations accepted for authorization of individuals who design or, where appropriate, executes electrical installations.

ANNEX 6
of the Regulation

Competences of certificate holders
granted by ANRE

T

Certif.type	Skills of the certificate holder
A1	Executes tests / measurements for equipment and installations low-voltage electrical regulated in the field including technical norm incidents
A2	All of the type A1 certificate holder competences, in addition to testing/measuring equipment and electrical installations of medium voltage, according to the regulations in the field, including technical norm incidents.
A	All of the competences of type A1 and A2 certificates and the execution of trials/measurements of equipment and electrical installations of high voltage, according to field regulation, including technical norm incidents.
A3	Trials of equipment and electrical installations with the purpose of technical compliance certification in power plants according to applicable technical norms
Bi	All skills certificate type A1 and in addition to: a) running exterior/interior electrical installations of civil of civil/industrial enclosures and buildings; b) executes the use of the low-voltage installations; c) executes, verifies, measures earth electrodes, binding ground installations and lightning rods of civil and industrial buildings and releases verification bulletins for their measurement and verification.
Be	All the competences of types Bi and, in addition, executes electrical wiring and connection systems of low-voltage overhead and / or underground, single phase and three phase, for supplying electricity to places of consumption, places of production or the consumption and production.
Bp	Designs: a) interior/exterior electrical installations for civil/industrial buildings and enclosures; b) low-voltage installations;

	c) electrical wiring and installation of low voltage connection, overhead and / or underground, single phase and three phase, for supplying electricity to places of consumption, places of production or the consumption and production.
B	All of the competences of the type Be and Bp certificates
C1A	<p>All of the competences of the type Bp certificate and designs of:</p> <p>a) power lines with nominal voltages from 0.4 kV to 20 kV overhead and/or underground;</p> <p>b) medium voltage transformer (power points, points of connection) including related cells;</p> <p>c) medium voltage stations and the electrical medium voltage high voltage substations;</p> <p>d) overhead and / or underground electric public lighting network;</p> <p>e) network power supply housing assemblies</p> <p>f) Low voltage electrical installations related (secondary circuits);</p> <p>g) batteries stationary for accumulator, electric power factor correction;</p> <p>h) installation of fiber optic cables for transmission;</p> <p>i) installation of command, control and relay protection.</p>
C2A	<p>All the competences of the type Be certificate and execution of</p> <p>a) power lines with nominal voltages from 0.4 kV to 20 kV overhead and/or underground;</p> <p>b) medium voltage transformer (power points, points of connection) including related cells;</p> <p>c) medium voltage stations and the electrical medium voltage high voltage substations;</p> <p>d) overhead and / or underground electric public lighting network;</p> <p>e) network power supply housing assemblies</p> <p>f) Low voltage electrical installations related (secondary circuits);</p> <p>g) batteries stationary for accumulator, electric power factor correction;</p> <p>h) installation of fiber optic cables for transmission;</p> <p>i) installation of command, control and relay protection.</p> <p>j) insulation resistance measurement and continuity of circuits, the contact resistance measurement at the PT;</p> <p>k) verification and testing of equipment and medium voltage electrical installations, related to electricity distribution networks and transformer stations.</p>
C1B	All skills of the certificate type C1A and in addition, projects power lines with nominal voltages of 0.4 kV + 110 kV overhead and / or underground, including fiber optic wire guard included the OHL 110 kV medium voltage stations and 110 kV and medium voltage electrical part of the stations with nominal voltages greater than or equal to 110 kV.
C2B	All skills of certificate type C2A and in addition, executes:

	<p>a) power lines with nominal voltages of 0.4 kV + 110 kV overhead and / or underground;</p> <p>b) installation of fiber optic wire guard included the 110 kV OHL;</p> <p>c) verifications and tests equipment and high voltage electrical installations, related to electricity distribution networks and transformer stations;</p> <p>d) stations and 110 kV medium voltage and medium voltage electrical part of the stations with nominal voltages greater than or equal to 110 kV.</p>
D1	All skills of the certificate type C1B and in addition designing power lines with nominal voltages any standardized overhead and / or underground, including fiber optic wire guard included in the LEA.
D2	All skills of certificate type C2B and in addition, executes: a) power lines with any nominal standardized voltages overhead and / or underground; b) installation of fiber optic guard wire included in the LEA; c) verification and testing of equipment and facilities related electrical transmission and distribution electrical grids.
E1	All skills certificate type C1B and, moreover, designs and electrical power stations belonging The electrical power plants with nominal voltages any standard, including: a) low voltage wiring (secondary circuit); b) Low voltage wiring (secondary circuit); c) c) electrical installations related to its services. in central and substations.
E2PA	Executes works on electrical installations of protection and automation of power stations, including: a) low voltage wiring (secondary circuit); b) installation of command, control and relay protection; c) electrical installations of related services in their own power plants and electrical stations.
E2	All skills of certificate type E2PA and in addition, running electrical substations and electric power plants belonging to the party with any standardized nominal voltages, including: a) low voltage wiring (secondary circuit); b) installation of command, control and relay protection; c) electrical installations of related services in their own power plants and electrical stations.

ST

ANNEX 7
of the Regulation

Example of application for a certificate

To: The Romanian Energy Regulatory Authority - ANRE

Mister Chairman,

The undersigned,, personal identification number, holder of the ID series no. issued by the date, as (administrator / CEO etc.), legal representative of the undertaking headquartered in the city....., str. no. bl., sc., ap. county, applies for the following types of certificates: (Mention the types of certificates required.)

The form is accompanied by the documents specified in the schedule.

I mention that the undertaking I represent:

- is registered in the Trade Register no.;

- has the unique registration code (CUI) no. and

- the account no. opened at the Bank..... branch (name / location of the bank branch where the account is opened)

.....

For communicating with the Romanian Energy Regulatory Authority I'd like you to know that I can be contacted directly at the premises of undertaking, as well as the landline no. mobile phone no. fax no. or by proxy:, landline no., fax no. no. mobile phone (Attach notarized power of attorney or attorney drawn up under the law.)

Knowing the Criminal Code regarding false statements, I certify on oath the truthfulness and authenticity of all documents submitted.

Date

The signature of the legal representative (original)

.....

ANNEX 8

of the Regulation

THE LIST

comprising the technical and material facilities
of the certification's applicant

T

Crt. no.	Endowment	No. pieces	Owned/leased from, based on contract no. from/ owned according to
Technological/ non-technological spaces			
1			
2			
....			
Machinery			
1			
2			
....			
Topographical equipment			
1			

2			
....			
Tools, devices			
1			
2			
....			
Measurement, testing, verification devices			
1			
2			
....			
Stationary, hardware, software			
1			
2			
....			

Through this list I certify on oath, that:

a) the technical and material facilities given in the table below are owned by the undertaking that I represent and can be verified by the Romanian Energy Regulatory Authority;

b) the devices for measuring, testing and verification belonging to the technical and material facilities of the undertaking I represent comply with the legal metrology.

Date

Last and First Name

Of the legal representative of(the name of the certificate applicant undertaking).....

Signature (original)

ST

ANNEX 9

of the Regulation

Example - List of assigned staff structure for the activities subject to certification

T

Font 7

Crt. no.	Last name and first name	Professional qualification *1)	Job role in undertaking	Individual employment contract no/ service contract	Individual contract / service contract duration *2)	Authorized electrician tier and badge type

1						
2						
...						

ST

* 1) It will include information on professional qualifications (eg engineer / engineer / foreman / skilled worker, etc.) as well as the specialization specified in the diploma of professional qualification (eg, energy, power engineering, electrical engineering, electromechanical, etc.).

* 2) It shall specify the period on which the CIM / service contract (fixed or indefinite period) and the period (full or part time), as appropriate, is on going.

T

Font 8

Date

Last and First Name

Legal representative of(the name of the certificate applicant undertaking)....

Signature (original)

ST

ANNEX 10

of the Regulation

The Framework-Content of a Certification

(Front)

The Romanian Energy Regulatory Authority - ANRE

According to the ANRE Decision no. / [Decision date: DD.MM.YYYY] is granted to [name of applicant] registered in the Trade Register under no. [Registration number of the applicant] having the unique registration code no. [CUI no. ...],

THE CERTIFICATE

no. / [grant date: DD.MM.YYYY]

type [type certified according to art. 8 para. (1) of Regulation approved by Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#)]

for [described in art. 8 paragraph. (1) of Regulation approved by Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#)]

Validity conditions of the certificate:

1. The certificate is valid indefinitely. The validity of the certificate is subject to periodical verification and sighting under the Regulation for undertakings certification to design, execute and verify electrical installations, approved by Order of the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#).

2. The certificate holder shall have the rights and obligations laid down in the Regulation for undertakings certification to design, execute and verify electrical installations, approved by Order of the the Chairman of the Romanian Energy Regulatory Authority no. [45/2016](#), as well as any other applicable regulations approved by ANRE.

3. Failure and / or improper fulfillment by the holder of its certificate duties imposed by law or regulations approved by ANRE in activities subject to certification do not attract / not entail criminal, civil, administrative, administrative or material liability of ANRE, and the certification of undertakings does not lead to the transfer of responsibilities from them by ANRE nor exonerating them of their obligations.

Emission date[DD.MM.YYYY].....

Chairman,

(Verso)

T
 Font 9

ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date
Next stamp term	Next stamp term	Next stamp term	Next stamp term	Next stamp term
ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date	ANRE stamp place Stamp date
Next stamp term	Next stamp term	Next stamp term	Next stamp term	Next stamp term

ST

[ANNEX 11](#)
 of the Regulation

Benchmarks for
 assessing the activity of a certificate holder

1. For each type of certificate held by a certificate holder the satisfaction is calculated annually (periods of 12 months from the date of granting of the certificate) as the arithmetic satisfaction indicator included in the forms of appreciation received from beneficiaries of the contracts were completed during that year (12 months).

2. Satisfaction of each year must be greater than the limit values, reference the following table:*T*

Certification type	Value-limit of annual satisfaction rating [points]
A1, B, Bp, Be, Bi	5
C2A, C2B	5,5
C1A, C1B, D2, E2, E2PA	6
A, A2, A3, D1, E1	6,5

ST

3. Based on annual satisfaction, ANRE calculates the overall satisfaction of a certificate holder, by aggregating and mediating its annual values for all types of qualifications held by that holder.

ANNEX 12
of the Regulation

The List of Works Executed by the Certificate Holder

The list of works executed by the certificate holder
during[DD.MM.YYYY]....-....[DD.MM.YYYY]....

T
Font 8

Crt. no.	Contract no. ...	Works/services subjected to contract (short description)	Beneficiary (part of contract)	Contract sign date	Contract fulfillment date	Finalized contract rating (satisfaction rating value)
1						
2						
3						
....						
Annual satisfaction rating (arithmetic average of satisfaction rating values from finalized contracts during the reference period)						

ST

NOTE:
The table contains the certificate holder's contracts during that period and the previously concluded that end in that specific period.

ANNEX 13
Of the Regulation

EXAMPLE FORM
of appreciation on the quality of work
made / services rendered by a certificate holder

The certificate holder, with headquarters in str. No. ..., Bl., Sc. Ap. County registered with the Trade Register under no. having unique registration code no.
Contract no. of works / services performed / rendered under powers provided by the certificate no. of type
..... Beneficiary agreement, registered with the Trade Register under no. having unique registration code no.

T
Font 9

No.	Indicator	Satisfaction appreciation degree for each indicator ... [points] Circle the value indicating the

		beneficiary satisfaction level . (1 = the least satisfied; 10 = very satisfied)									
1	Are you satisfied with the work/ services duration according to the contract terms?	1	2	3	4	5	6	7	8	9	10
2	Are you satisfied with the number and qualification of the staff allocated to the contracted works/services?	1	2	3	4	5	6	7	8	9	10
3	Are you satisfied with the availability and quality of the material endowments, used materials and components, respectively of the documents issued?	1	2	3	4	5	6	7	8	9	10
4	Are you satisfied with the time and way of solving requests forwarded to the certificate owner or his/her staff?	1	2	3	4	5	6	7	8	9	10
5	Are you satisfied with the global work quality being done or of the contracted services?	1	2	3	4	5	6	7	8	9	10
Satisfaction rating (for the contract): (arithmetic average of indicator values)	 [points]									

NOTE:

The form is filled by the beneficiary in two copies, one of which is handled to the certificate holder and the second remains at the beneficiary and can be requested by The Romanian Energy Regulatory Authority for actions of control / investigations / inspections on the work certificate holder.

Completed by

Aware

Legal representative of
the beneficiary :
Last and first name
Signature (original)
Date

Legal representative of
the certificate holder:
Last and first name.....
Signature (original)
Date

ST
