CEFRACOR CERTIFICATION PROTECTION CATHODIQUE	**CONDITIONS OF ALLOCATION OF CERTIFICATION** **Initial certification, renewal and re-certification**	**PR /1000** **Page 1/ 22** **Revision : 18**

Page	SUMMARY

DIFFUSION: The most recent version of this document is accessible on the page called ”CFPC-CERTIFICATION” tab “on the Website http://www.protectioncathodique.net.

Rev.	Reason for change	Author	Verifier	Approval	Approval date	Application date
		I. RAGAULT			30/09/98	
1	Taking into account the Procedure 16000	J.M FOUREZ	J.M. FOUREZ	D.COPIN	27/07/05	01/10/05
2	Taking into account the standard EN 15257 and merger with PR/15000	J.M FOUREZ	J.M. FOUREZ	D.COPIN	26/06/08	01/01/09
3	Introduction of level 1S and editorial modifications	D.COPIN / M.ROCHE	J.M. FOUREZ	D.COPIN	20/01/2010	20/01/2010
4	Final validation of level 1S	M. ROCHE	J.M. FOUREZ	D.COPIN	03/02/2010	03/02/2010
5	Modification exam 1S Seawater and duration of theoretical sessions – clarification on experience requirement – editorial modifications	M. ROCHE	J.M. FOUREZ	D.COPIN	06/09/2010	06/09/2010
6	Correction Mention CAH in 6.4	M. ROCHE	J.M. FOUREZ	D.COPIN	21/01/2011	21/01/2011
7	Taking into account the new status Modifications in 6.4 and 7.4.1	JM. FOUREZ	D.COPIN	M.ROCHE	10/04/2011	10/04/2011
8	Modification for re-certification	JM. FOUREZ	D.COPIN	M.ROCHE	18/03/2013	18/03/2013
9	Taking into account deviations COFRAC assessment 2013	JM. FOUREZ	D.COPIN	M.ROCHE	4/09/2014	26/09/2014
10	Taking into account deviations COFRAC assessment 2014, internal audit 2015 and the certification board of 27/03/2015	JM. FOUREZ	D.COPIN	M.ROCHE	26/06/2015	26/06/2015

11	Taking into account COFRAC assessment 2015, deleting redundant information about stamp duty	JM. FOUREZ	D. COPIN	M.ROCHE	30/11/2015	30/11/2015
12	Roles of invigilator	JC. HOURRIEZ	JM. FOUREZ	M. ROCHE	10/03/2016	20/03/2016
13	Adaptation to EN ISO15257;:2017 Standard	JM FOUREZ	JC HOURRIEZ	M ROCHE	22/02/2018	22/02/2018
14	New organisation.	JM. FOUREZ	M. ROCHE	JC HOURRIEZ	24/01/2019	24/01/2019
15	Sending of examination questions. Definition of the referee and review of the level 5 certification process	JM. FOUREZ	M. ROCHE	JM. FOUREZ	04/11/2019	04/11/2019
16	Additional information on the re-certification examination	JM. FOUREZ	M. ROCHE	JM. FOUREZ	19/10/2020	19/10/2020
17	Consideration of special cases for services cost	JM. FOUREZ	X.HALLOPEAU	M. ROCHE	16/11/2021	16/11/2021
18	Modification of the N4RC competency file and recertification criteria	JM. FOUREZ	X.HALLOPEAU	M. ROCHE	05/05/2022	05/05/2022

1. Scope

This document describes the prior requirements and the methods of allocation of the CEFRACOR Certification certificates to the personnel in cathodic protection as specified by the Comité Français de la Protection Cathodique (CFPC). The CFPC of CEFRACOR acts as a Certification Body, in agreement with the standards NF EN ISO/CEI 17024: 2012 and NF EN ISO 15257: 2017.

2. Field of application

This procedure specifies the conditions of allocation of the “CEFRACOR Certification” certificates to the personnel in cathodic protection for five competence levels in the following application sectors:

- on-land metallic structures (Application sector “Land”) ;
- marine metallic structures (Application sector “Seawater”) ;
- reinforced concrete structures (Application sector “Concrete”) ;
- inner surfaces of metallic structures (Application sector “Internal surfaces”) .

At present operated combinations are :

Application sector	Level 1	Level 2	Level 3	Level 4	Level 5
Land	Yes	Yes	Yes	Yes	Yes
Seawater	Yes	Yes	Yes	No (*)	Yes
Concrete	Yes (*)	Yes	Yes	No (*)	Yes
Internal surfaces	No	No	No	No	Yes

(*) will be planned later

3. Reference documents

NF EN ISO/IEC 17024: 2012: Conformity assessment - General requirements for bodies operating certification for persons.

NF EN ISO 15257: 2017 Cathodic protection — Competence levels of cathodic protection persons — Basis for a certification scheme

CFPC Quality Manual

CFPC Procedure PR/5000 : Certification Process

CFPC Procedure PR/2000 : Evaluation and process of complaints and appeals

CFPC Procedure PR/7000 : Examination Centre – Rules and approval

CFPC Procedure PR/16000 : Follow-up of certified persons

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4. Terms and definitions

The different terms and definitions which apply in this document are described in clause 3 of NF EN ISO 15257: 2017 standard.

These definitions are detailed and completed below:

Application sector
Particular section of industry or technology where specialized cathodic protection survey, design, installation, testing and maintenance practices are used or the science of cathodic protection is advanced, requiring specific sector-related knowledge, skill, equipment or *training*

Evaluation
Process enabling to evaluate that a person fulfils the requirements of the certification scheme

Evaluation committee
Group appointed by the certification body which reviews applications and examination results and determines compliance with the requirements for CP certifications offered by the certification body

CP person
Person who devotes a regular and significant percentage of his professional activity to the practical application of cathodic protection within one or more of the *application sectors* .

Significant interruption
Period of time in which a *CP person* has not practised the duties or undertaken *training* corresponding to his level of *competence* within an *application sector* .A significant interruption comprises a continuous period in excess of 1,5 years or two or more periods for a total time exceeding 3 years during the validity of the certificate.

Competence
Ability of a CP person to apply knowledge and skill to achieve intended results at specific levels and in specific application sectors

Complex structure
System comprising the structure to be protected connected to one or more foreign electrodes and/or crossing multiple connected electrodes or passing close or through steel-reinforced concrete

Examination centre
Place for the examination of *competence* in cathodic protection. The centre includes testing facilities to simulate the conditions that normally exist in real cathodic protection of operating industrial structures for a given *application sector*

Examiner
Person with relevant technical and personal qualifications, and competent to conduct and/or score an examination

Invigilator
Person having competence to manage and supervise an examination but who does not evaluate the competence of a candidate

Industrial cathodic protection experience
Practice in the applicable cathodic protection techniques and *application sector(s)* concerned, which leads to the required skill and knowledge

Simple cathodic protection system
Cathodic protection system in in simple uniform and stable conditions for which the design follows identified and defined, auditable procedural steps as developed by a person certificated to Level 4

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Technical instruction

Written description, method statement or work instruction stating the precise steps to be followed in a cathodic protection survey, design, installation, testing or maintenance activity to an established standard, code, specification or cathodic protection procedure

Technical report
Written report intended to transmit engineering information of a complex, analytical nature

Certification scheme
Document defining the measures to evaluate competence linked to categories of professional people who have specific qualifications or know-how to do. For the “CEFRACOR Certification” certification body the certification scheme is the EN ISO15257: 2017 Standard Cathodic protection — Competence levels of cathodic protection persons — Basis for a certification scheme

Certification scheme owner
The organization responsible for the development and the upholding of the certification scheme is CFPC « Conseil Français de la Protection Cathodique, department of CEFRACOR.

Sectoral committee:
Committee depending on CFPC. It takes part in the management of certification in a given application sector.

Employer:
Entity for which the candidate works in a regular way (if applicable).

Applicant
Person who has submitted an application for his admission to a certification process

Candidate
Applicant who meets the requirements and is allowed to take the certification examination

Examination session
Part of the certification exam. For Levels 1-4, the exam consists of three exam sessions. Two theoretical sessions (a core session and a specific session) and a practical sectoral session.
Each session comprises tests allowing to evaluate the required competences .

Initial certification examination:
Set of tests constituting the initial evaluation of a candidate for a given competence level. This set allows to measure and certify the competence of the candidate by written, oral and practical examination defined in the particular measures of certification and organized according to CFPC procedures.

Renewal process
Mechanism constituting the evaluation of a candidate for the renewal of certification 5 years after his initial certification or after a re-certification.

Resit examination:
Set of simplified tests enabling the evaluation of a candidate for his re-certification 10 years after his initial certification and then every 10 years, or in case of failure of the renewal process.

Certification resit examination
Measures enabling, in case of partial failure in initial exam or re-certification exam to take again all or apart of the tests.

Training
Theoretical and practical instructions given in conformity to a pre-established programme in order to furnish or increase the knowledge and the ability of *CP persons* in cathodic protection activities

Training centre
The training centre includes demonstration and testing facilities to simulate the electrical conditions that normally exist in real cathodic protection of operating industrial structures for a given *application sector* for which the training of a CP person is carried out.

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5. Competence levels of certified persons

A certified person, according to NF EN ISO15257: 2017 standard, is classified in one or more of the levels defined below depending on the competence he/she possesses in the particular application sectors.

A detailed description of the competency requirements is given in clause 6 of NF EN ISO 15257: 2017 standard.

Level 1 (cathodic protection tester)

Level 1 CP persons shall be competent

- to perform routine system operation measurements as well as a limited number of specific measurements to determine the effective implementation of CP systems.
- to collect CP performance data of simple CP systems
- to perform other basic CP tasks in accordance with technical instructions and procedures produced by Level 3 or higher persons
- to record the data to a format produced by Level 3, or higher persons and under their responsibility.
- to understand the fundamentals of the measurements that they are required to undertake, the common causes of errors in these measurements and the related safety issues.

Level 1 CP persons shall not be responsible for analysing the data.

Level 2 (Cathodic protection technician)

In addition to the competencies for Level 1 CP persons, Level 2 CP persons shall be competent:

- to undertake a range of CP measurement, inspection and supervisory activities in accordance with technical instructions and procedures produced by Level 3 or higher persons,
- to collate and classify the data under their responsibility.
- to know the fundamentals of electricity, corrosion, coatings, CP and measurement techniques, safety issues and applicable standards related to CP.
- to check the calibration validity of the CP measuring and testing equipment,
- to supervise and perform inspection and testing during installation of CP systems and carry out routine maintenance work on CP systems.

Level 2 persons shall not be responsible for the choice of test method, the technique to be used, preparing the technical instructions or the interpretation of test results **.**

Level 3 (Cathodic protection senior technician)

In addition to the competencies for Level 2 persons, Level 3 persons shall be competent:

- to know the general principles of corrosion and CP, the principles of electricity, the significance of coatings and their influence on CP and a detailed knowledge of CP test procedures and safety issues.
- to understand and be competent to perform CP tasks according to established or recognized procedures.
- to carry out and supervise all Level 1 and Level 2 duties and to provide guidance for persons at Level 1 and Level 2.
- to prepare technical instructions for all CP persons of lower-level competence and assess all data collected from these tasks.

Level 4 (Cathodic protection specialist)

In addition to the competences for Level 3 persons, Level 4 persons shall be competent:

- to have detailed knowledge of corrosion theory, principles of electricity, CP design, installation, commissioning, testing and performance evaluation, including systems affected by interfering conditions.

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- in establishing testing and performance criteria where none are otherwise available. They shall have a general familiarity with CP in all application sectors.
- to design CP systems including those where no pre-set parameters or procedural steps exist. to define the guidelines for specifying, designing and monitoring CP systems.
- to consider technical and safety aspects.
- to prepare technical instructions for all CP persons of lower-level competence and assess all data collected from these tasks.

In all of these activities, Level 4 persons are not required to be supervised by Level 5 or other persons.

Level 5 (Cathodic protection expert)

In addition to the competencies for Level 4 persons, Level 5 CP persons shall be competent:

- to make the state of the art of CP evaluate by scientific work and peer-reviewed publications and shall have made a marked and original contribution to the science or practice of corrosion control by CP.
- to have all the competences required for Level 4 persons in at least one sector
- to have detailed knowledge of CP and a range of competences in all sectors have in at least one of the sectors an established and mature reputation as a CP specialist at the highest level.
- to undertake a range of high-level activities such as management of R&D projects, publications in technical or scientific journals or books, lectures at congresses or training courses, participation in standardization or technical committees, lead in the development of new technology or new applications, editing scientific journals and/or other activities as described in Annex B.5. of EN ISO 15257: 2017.

6 Eligibility requirements

6.1 Eligibility requirements for levels 1 to 4

The eligibility of active CP persons for the assessment of competence is demonstrated through a registration file including:

- the applicant's personal information
- a statement regarding his / her initial training, continuing education and industrial experience.
- a practical experience in CP

6.1.1. Industrial experience according to the initial training

The minimum requirements concerning the duration of CP experience, to be gained prior to certification are defined in the following table. The durations shown in this table refer to a minimum of 20% activity in CP.

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Minimum education and experience requirements for each level for candidates with no previous certification for the specific application sector

Target level	Initial level in the same sector or different sector	Initial education	Minimum experience in CP witout certification in a different sector (years)	Minimum experience in CP in new sector for which application is being made (years)
1	0	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	0	0
		Technical education	0	0
		Other education (requires basic mathematical skills)	0	0
2	0 ou 1	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	1	0.5
		Technical education	1	0.5
		Other education (requires basic mathematical skills)	1	0.5
3	0	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	2	1.5
		Technical education	3	2
		Other education (requires basic mathematical skills)	4	3
	1	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	2	1.5
		Technical education	3	2
		Other education (requires basic mathematical skills)	4	3
	2	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	1	1.5
		Technical education	2	2
		Other education (requires basic mathematical skills)	3	3
4	0 ou 1	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	5	1.5
		Technical education	8	2
		Other education (requires basic mathematical skills)	12	3
	2	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	4	1.5
		Technical education	7	2
		Autre formation initiale (exige des compétences de base en mathématiques)	11	3

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	3	Relevant engineering or scientific discipline degree (BSc, BEng or equivalent) and specialized education in the corrosion field (significant corrosion content at BSc or BEng level or significant post graduate corrosion study or research)	3	1.5
		Technical education	5	2
		Other education (requires basic mathematical skills)	8	3
5	4	Certified level N4 in the same application sector since at least three years	3 starting from level N4 certification date in the same sector	NA

"Other education" includes candidates who may have had no formal post-school education or whose post-school education does not include relevant scientific or engineering content.

Candidates of a higher level in one sector can apply for a lower level in another sector and shall comply with the minimum requirements listed in the above table in the new sector.

6.1.2 Training

CP persons shall provide documentary proof that they have completed a period of training in the application sector and level.

The minimum training period, through recognized course(s) or by self-study method and syllabus under supervision shall be as follows:

The theoretical and practical knowledge requirements for all application sectors and levels are detailed in appendix A of the NF EN ISO 15257: 2017 standard.

Initial level	Target level	Training duration
0	1	2 days
0 or 1	2	5 days
0 or 1	3	10 days
2	3	5 days
1	2	40 h
0,1,2,or3	4	To obtain a level 4 in CP a minimum training period is not required. The applicants must be able to submit a relevant documentation related to their training, theoretical knowledge, continuous vocational training and practical skill in CP. The training period, its method and its content must be sufficient to transmit knowledge and skill. Requirements of skills and will be based on: • possession of a relevant technical or scientific degree or completion of a period of university education at a school of higher education; • attending training courses, conferences or seminars (such as those organized by established industry or independent associations); • • the study of scientific or technical manuals, periodicals and other specialized materials.
4 (only)	5	To obtain a level 5 in CP, a minimum duration of training is not required Given the scientific and technical skills required for applicants, the competency requirements will be: • have at least Level 4 skills in the same application sector; • have detailed knowledge of corrosion and CP and a wide range of skills in all sectors; • have made significant contributions to the development of CP technology, such as providing technical leadership in the development of new CP technologies and applications, publishing research results, or being a long-standing member of recognized standards committees; • have the competence to make scientific and technological advances in CP practice and corrosion control applications, and have made a significant and original contribution to the science or practice of CP of corrosion control.

6.2.Verification of eligibility conditions

The eligibility requirements are checked by the concerned Evaluation Committee leader or his / her substitute who relies on the application file for the certification examination that each applicant has to fill in and can use the document DE 5028 "Help to the validation of an application file". These application files are accessible from the cathodic protection website http://www.protectioncathodique.net on the, tab “Exams registration” (link from the Website http://www.cefracor.org).

In case the applicant expresses a consideration of special needs through their application, the Evaluation Committee will examine the relevance of these particular needs and considers if they are valid.

Moreover the applicant as well as his or her possible employer commit themselves, during the application:

- to respect the ethic rules specified in the procedure PR/4000 “Conditions of use of “CEFRACOR certification” trademark - code of ethics
- to pay the registration fee for the examination.

For levels 1, 2 , 3 and 4 the applicant must have an adequate physical ability to reach the outdoor facilities and to carry out the practical work in acceptable safety conditions.

6.3 Insurance

The applicant will have to check that he / she is insured against the risks of personal or material injuries (Liability Insurance) that can occur during his / her stay in the Examination Centre or during his / her transportation.

In case of any disaster occurring because of the candidate, his / her liability will be total and the candidate cannot prevail over a partial or total lack of information.

7. Conditions of allocation of certification

7.1 Conditions of allocation of certification for levels 1, 2 ,3 and 4

The allocation of certification in cathodic protection for a definite level and sector is subjected:

- to the respect of the conditions of admissibility mentioned in the previous paragraph
- and to the successful completion of a certification examination, the procedures and organization of which are defined in the procedure CFPC PR/5000 "Certification Process”

7.2 Conditions of allocation of certification for level 5

The allocation of certification in cathodic protection for a level 5 in a definite sector is subjected to :

- the respect the conditions of admissibility mentioned in the preceding paragraph of this document
- a positive assessment of a competency file provided by the candidate
- an interview during which the candidate will present one or more significant achievements of his / her activity. The modalities and organization of these evaluations are defined below and in CFPC procedure PR/5000 "Certification Process".

8 Organization of certification exams

8.1 Organization of the examinations of certification for levels 1, 2, 3 and 4

The examinations take place in the approved Examination Centre according to the procedure PR/7000 "Rules and approval for the Examination Centers” in accordance with the procedure PR/5000" Certification Process".

The candidate must have valid and unambiguous proof of identity (eg identity card, passport or driver's license with photo ID) and an official invitation to the examination.

The theoretical and practical sessions are done without personal document, nor notes or programmable calculator. The necessary data such as abstracts of standards, graphs or numerical tables etc. , are provided to the candidate the day of the examination if necessary.

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Any candidate commits himself / herself, during the examination, not committing fraud or be complicit and not taking and revealing any confidential documents. Any candidate who, during the examination, does not respect the rules will be excluded from the rest of the sessions and / or will be subject to sanctions. The candidate has to wait at least one year before being allowed to apply for a new examination.

The conditions of equity, validity and reliability of operation and use of an Examination Center to organize the exam sessions are defined for 5 domains (personnel, buildings, installation, material and weather conditions) in the specific registration document according to four performance levels ranging from 1 for the highest performance level to 4 for the lowest one.

If only one performance degree is equal to 1, it is considered that equity, validity and reliability are not respected. So, it will be necessary to find conditions that will enable to raise this performance degree before continuing the certification examination.

If two performance degrees have a grade equal to 2, it is considered that equity, validity and reliability are not respected. So, it will be necessary to find conditions that will enable to raise at least one of these performance degrees before continuing the certification examination .

If a performance degree equals to 1 or 2, except for those that be due to weather conditions, a corrective action or a correction will be required and set up. These actions will be regularly followed during the annual executive meetings. This will reaffirm the continued equity, validity, and reliability of the overall operation of each examination and address any detected malfunctions.

There are three examination sessions:

Two theoretical sessions based on a multiple-choice questionnaire (MCQ) coming from a collection of unpublished questions.

- one theoretical session of Common-core It must allow the candidate to show that he or she has the general required knowledge for the comprehension of the tasks corresponding to the concerned application sector as defined in table 1 of section 6.2 "Knowledge requirements for all application sectors and for all levels" of NF EN ISO 15257: 2017 standard.
- one theoretical “Sectoral” session. It must allow the candidate to show that he or she has the necessary knowledge and theoretical competences to undertake the tasks corresponding to the concerned application sector as defined in the clauses:

  - 6.3 "Tasks to be fulfilled for all application sectors for levels 1 to 4"

  - 6.4 “Specific tasks for on-land metallic structures application sector for Levels 1 to 4”

  - 6.5 " Specific tasks for marine metallic structures application sector for Levels 1 to 4

  - 6.6 "Specific tasks for the area of application of reinforced concrete structures for levels 1 to 4

  - 6.7 “ Specific tasks for inner surfaces of metallic structures application sector for levels 1 to 4.”of NF EN ISO 15257: 2017 standard.

For these two sessions, the questions are selected in a random way in the collection of questions of general knowledge for the Common-core and in the collection of specific questions regarding the concerned application sector.

- **A practical session test** based on a number of tests depending on the chosen certification level. They must enable the candidate to demonstrate that he / she has the knowledge and practical skills necessary to undertake the tasks corresponding to the relevant application sector defined in EN ISO 15257: 2017 in the paragraphs:
  - 6.3 "Tasks to be fulfilled for all application sectors for levels 1 to 4"
  - 6.4 “Specific tasks for on-land metallic structures application sector for Levels 1 to 4”
  - 6.5 " Specific tasks for marine metallic structures application sector for Levels 1 to 4
  - 6.6 "Specific tasks for the area of application of reinforced concrete structures for levels 1 to 4
  - 6.7 “ Specific tasks for inner surfaces of metallic structures application sector for levels 1 to 4.”

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The three session tests are graded separately in order to:

- allow the candidate to apply for a certification in another application sector for the same skill level without a new Common Core test
- In case of failure, not to have to retake the successful tests during the examination.

Each session is graded according to Table 5.

For a candidate to be certified, the final grade of the exam, calculated out of 100, must be greater than or equal to 7/10 with no eliminatory grade lower than 6/10 in any of the sessions for level 3 and 4 and with no eliminatory grades lower than 6/10 in the practical session and 5/10 in the theoretical sessions (MCQ) for levels 1 and 2.

The examination tests of the session are led, supervised and corrected by at least one examiner, who can be helped by one or several supervisors who do not assess the candidate's competence. The examiner is responsible of the management and the grading of a session. The supervisor can manage the practical tests and supervise the written tests under the examiner responsibility in his absence.

CFPC staff who have trained, within the previous year of the examination, one of the candidates or who have a direct (hierarchical) relationship in the same company as one of the candidates or who have a business relationship with one of the candidates may not be an examiner of that candidate(s).

CFPC staff who have trained one of the candidates or who has been employed in the same company as one of the candidates can be a supervisor.

The examiners attest their independence and their integrity and guarantee the confidentiality of all the information collected during the process of evaluation of the candidates.

The examiners must declare the absence of potential conflict of interests with any candidate in the specific document.

In the particular case of a candidate belonging to CFPC, a special procedure is applied to avoid any conflict of interest. This procedure is described in PR/10000 "Management of Persons Involved in Certification".

The number of questions per test for the theoretical sessions and the number of tests scheduled for the practical session as well as the total time allocated and the weight of the grading are presented in the Tables below.

Number of exam questions for the theoretical sessions

Level	*Number of questions asked for the session "Common Core"*	*Allotted time*	*Weight of notation / 100*	*Number of questions asked for the session "Sectoral Theoretical"*	*Allotted time*	*Weight of notation / 100*
1	*10*	20 mn	10/100	*20*	40 mn	*20/100*
2	*15*	30 mn	15/100	*25*	*60 mn*	*25/100*
3	*20*	*60 mn*	*20/100*	*30*	*90 mn*	*30/100*
4	*20*	*60 mn*	*20/100*	*20*	*60 mn*	*20/100*

Number of tests for the practical session

For the Land application sector

Levels	*Test 1*	*Alloted time*	*Weight of notation*	*Test 2*	*Alloted time*	*Weight of notation*	*Test 3*	*Alloted time*	*Weight of notation*
1	Potential measurements on structure (Eon)	30 mn*	40/100	Additional simple measurements on structure or in lab	*30 mn**	*30/100*			
2	Potential measurements on structure (Eon and Eoff measure indicator gradient RI …)	30 mn*	30/100	Additional measurements on structure (resistivity, soil measures,…)	*30 mn**	*20/100*	*Measurements in lab*	*30 mn**	*10/100*

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3	Potential measurements or OM implementation (on structure or in lab)	*30 mn**	*10/100*	*Write technical instructions for N2 level* + *Simple CP sizing*	*120 mn*	*20/100*	*Analysis of a report with common anomalies*	*120 mn*	*20/100*
4	Oral exam about measurements, equipment or PC systems.	*60 mn**	*20/100*	*Write a technical report or case analysis*	*120 mn*	*20/100*	*Complex CP sizing*	*120 mn*	*20/100*

For the Marine metallic structures application sector

Levels	*Test 1*	*Alloted time*	*Weight of notation*	*Test 2*	*Alloted time*	*Weight of notation*	*Test 3*	*Alloted time*	*Weight of notation*
1	Potential measurements on structure (Eon)	30 mn*	40/100	Additional simple measurements in tank or in lab	*30 mn**	30/100			
2	Potential measurements on structure (Eon, Eoff)	30 mn*	15/100	Additional measurements in tank	*30 mn**	30/100	*Measurements in lab*	*30 mn**	*15/100*
3	Potential measurements on structure or in lab (Eon, Eoff)	*30 mn**	*15/100*	*Write technical instructions for N2 level*	*60 mn*	*10/100*	*Analysis of a report with common anomalies, simple CP sizing*	*150 mn*	*25/100*
4	Oral exam about structures and systems or their simulations.	*60 mn**	*20/100*	*Write a technical report or case analysis*	*120 mn*	*20/100*	*Complex CP sizing*	*120 mn*	*20/100*

For the concrete application sector

Levels	*Test 1*	*Alloted time*	*Weight of notation*	*Test 2*	*Alloted time*	*Weight of notation*	*Test 3*	*Alloted time*	*Weight of notation*
1	Potential measurements on structure (Eon)	30 mn*	40/100	Additional simple measurements on structure or in lab	*30 mn**	*30/100*			
2	Potential measurements on structure (Eon, Eoff…)	30 mn*	30/100	Additional measurements on structure	*30 mn**	*20/100*	*Measurements in lab*	*30 mn**	*10/100*
3	Potential measurements on structure or in lab (Eon, Eoff)	*30 mn**	*10/100*	*Write technical instructions for N2 level*	*90 mn*	*10/100*	*Analysis of a report with common anomalies, simple CP sizing*	*150 mn*	*30/100*
4	Oral exam about measurements, equipment or PC systems	*60 mn**	*20/100*	*Write a technical report or case analysis*	*120 mn*	*20/100*	*Complex CP sizing*	*120 mn*	*20/100*

(*) the indicated time doesn't take into account the preparation time for the test by the candidate (about 30 mn for the field or lab exams and 60 mn for the oral exam of level 4).

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8.1.1 Respect of the conditions of non-variability of the different theoretical and practical tests

The respect of the conditions of non-variability and equity of the different theoretical and practical tests that the candidates can take during different examinations, is done through a comparability tool that compares tests levels.

The comparability tool also enables to understand the sensitivity of the examiners with regard to the evaluation of the answers that is done during the practical tests.

The analysis of the results of this tool is done every year during the executive meeting in order to reaffirm the equity, validity and reliability of the evaluation system.

If a significant variability is noted between the theoretical tests or practical tests that is to say:

- ± 2 points/20 compared to the average of all the same subjects and this, on a minimum panel of 10 candidates,

a modification of the concerned test is done in order to homogenize its degree of difficulty compared to the other tests. This one is carried out by the ad hoc Sectoral Committee.

In case of a significant difference between grades for the same practical test for an examiner, that is to say:

- ± 2 points/20 compared to the average of the given grades by all of the other examiners and this on a minimal panel of 10 candidates,

a research for causes is made and actions are undertaken.

8.1.2 Exemptions of competence evaluation

The certified personnel of level 1,2 ,3 or 4 in a given sector of application and applying for another sector of application is exempted, if he or she asks for it, to take the Common Core session. The candidate keeps then the grade he / she got at the previous exam during the Common Core session.

If the candidate took, according to the standard NF EN 15257 : 2007, a certification exam in another application sector for a same level of competence, so he / she can keep the grade he got at the Common Core exam.

This possibility can't be used for a candidate who got a level 3 certification according to the standard NF EN 15257 : 2007 and who applies for a level 4 certification since the EN level 3 exams did not include a Common Core MCQ exam.

Candidates are required to retake the theoretical and practical sector exam sessions related to the new application sector.

8.2. Organization of the certification assessment for level 5

There are three steps for the assessment process, each one being activated only after validation of the previous one:

Step1 :

Assessment of the admissibility of the candidate's application by the the Head of the Evaluation Committee

Step 2 :

Evaluation and grading, by the members of the Evaluation Committee, of a competence file sent by the CFPC filled in by the candidate detailing and documenting his / her qualifications in initial training, scientific or technical.

This file, in accordance with the standard NF EN ISO 15257: 2017 will be :

1. graded for its "Industrial Experience" section by allocating, on quantitative achievements listed below, credit points as defined hereafter and possess a minimum of 60 credit points to be eligible for step 3 of the N5 certification process.
    - executed R&D projects: 5 credit points per R&D project;
    - executed engineering projects with sole or premier responsibility for significantly complex or novel CP designs: 5 credit points per project;

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- editor or member of scientific board in technical or scientific journals: 2 credit points per year of job execution;
- publications in technical or scientific journals or books: 2 credit points per publication;
- lectures at congresses or training courses: 1 credit point per lecture;
- participation in standard or technical committees: 1 credit point per committee and year (e.g. 10 credit points if 10 years membership is demonstrated), 2 credit points for convenorship;
- patents that have been substantially applied: 5 credit points per patent;
- technical lead in the development of new technology or new applications: 5 credit points per item.

The grading of the competence file is done by each member of the Evaluation Committee, the minimum necessary credit of 60 points will be achieved by averaging the points allocated by each of the evaluators.

2. Evaluated on the candidate's ability to fully answer the 6 items below during his/her interview with the Evaluation Committee during Step 3.

- educational, scientific or engineering qualifications of CP persons;
- extent of responsible experience in the particular application sector;
- examples of design documents, reports, or technical articles prepared by CP persons;
- demonstration of a broad range of understanding and competence in of all CP sectors;
- demonstration of continued professional development and that their expertise is at the forefront of the technology and that he / she are entirely up to date with the practice of CP
- demonstration that he / she has made significant contributions to the development of science and technology in CP.

The evaluation of this additional information is made by the possible allocation of 3 levels of assessment:

- Yes (in favor of continuing the certification process)
- No opinion (Possible to continue the certification process)
- No (not in favor of continuing the certification process)

The acceptance criteria for the evaluation of this information is done by collecting the assessments of each member of the evaluation committee. 60% positive opinion (excluding the "No opinion" assessment) must be obtained for each item so that the candidate can reasonably demonstrate his/her skills during the interview in step 3.

In the case where, in spite of the minimum of 60 points obtained by the candidate for the "Industrial Experience" section, the 6 items are not all filled in or if the information is considered insufficient, the Evaluation Committee will not validate step 2.

The candidate will then be asked to provide additional information. A second analysis will enable to accept or refuse the final validation of step 2. If this second analysis is not validated, the candidate will be offered the opportunity to improve his / her experience and to renew his / her application later on.

The file shall also include the contact information of, at least, two independent CP referees with a competence of at least Level 4 and familiar with the work of the concerned candidate. The CFPC may request an attestation (opinion) from the referees regarding the truthfulness and accuracy of the information provided in the application.

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The CFPC defines an independent referee as a person who is not involved in the certification process.

The level 4 competence (or equivalent) of the referees will be determined by the head of the Assessment Committee during the step 2 of the assessment process.

Step 3 :

Assessment of the demonstration by the candidate of the achievement of the requirements of the 6 items mentioned in step 2

This evaluation will be based on an interview during which the candidate will submit, in the form he/she wishes (power point, paper documents, etc.), the necessary and sufficient documents (significant achievements, certificates, innovations, patents, publications, etc.) proving and demonstrating that he/she has the mastery and all the skills to meet the requirements of the 6 items listed below:

- educational, scientific or engineering qualifications of CP persons;
- extent of responsible experience in the particular application sector;
- examples of design documents, reports, or technical articles prepared by CP persons;
- demonstration of a broad range of understanding and competence in of all CP sectors;
- demonstration of continued professional development and that their expertise is at the forefront of the technology and that he / she are entirely up to date with the practice of CP
- demonstration that he / she has made significant contributions to the development of science and technology in CP.

Two months before the interview, the candidate must send the CFPC the content (complete or summarized) of the most important documents and/or possibly the presentations (PDF or other) that will be used for each item.

During this interview, the Assessment Committee will be able to ask all the technical questions related to the competences that an N5 certified person must have in accordance with the aspects mentioned in paragraph 6.8 of the EN ISO 15257: 2017 standard.

The time spent and the grading applied for each item are listed in the tables below.

Educational, scientific or engineering qualifications of CP persons

	Interview	**Allocated time (mn)**	**Grading scale**	**Allocated grade**	**Minimum required grade**
Support	Technical and/or scientific content of the documents or submitted proofs.	5	0 à 5		
Oral	Relevance of the answers to the asked questions	5	0 à 5		
Final grade			0 à 10		6

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Extent of responsible experience in the particular application sector

	Interview	Allocated time (mn)	Grading scale	Note attribuée	Minimum required grade
Support	Technical and/or scientific content of the documents or submitted proofs.	10	0 à 20		
Oral	Relevance of the answers to the asked questions	10	0 à 20		
Final grade			0 à 40		24

Examples of design documents, reports, or technical articles prepared by CP persons;

	Interview	Allocated time (mn)	Grading scale	Note attribuée	Minimum required grade
Support	Technical and/or scientific content of the documents or submitted proofs.	40	0 à 40		
Oral	Relevance of the answers to the asked questions	20	0 à 30		
Final grade			0 à 70		42

Demonstration of a broad range of understanding and competence in of all CP sectors;

	Interview	Allocated time (mn)	Grading scale	Note attribuée	Minimum required grade
Support	Technical and/or scientific content of the documents or submitted proofs.	30	0 à 30		
Oral	Relevance of the answers to the asked questions	20	0 à 20		
Final grade			0 à 50		30

Demonstration of continued professional development and that their expertise is at the forefront of the technology and that he / she are entirely up to date with the practice of CP;

	Interview	Allocated time (mn)	Grading scale	Note attribuée	Minimum required grade
Support	Technical and/or scientific content of the documents or submitted proofs	10	0 à 20		
Oral	Relevance of the answers to the asked questions	5	0 à 10		
Final grade			0 à 30		18

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Demonstration that he / she has made significant contributions to the development of science and technology in CP.

	Interview	Allocated time (mn)	Grading scalev	Note attribuée	Minimum required grade
Support	Technical and/or scientific content of the documents or submitted proofs	30	0 à 30		
Oral	Relevance of the answers to the asked questions	30	0 à 20		
Final grade			0 à 50		30

A total score greater than or equal to 175/250 with no grade below the minimum requirements is necessary for the candidate to be eligible for certification.

The grading of Step 3 is done by each member of the Evaluation Committee, the minimum score of 175 points to be certified N5 will be achieved by averaging the scores assigned by each evaluator.

The interview is conducted in a suitable place to welcome the applicant and the members of the evaluation committee.

The interview is conducted in a suitable place to receive, under good conditions, the candidate and the members of the evaluation committee.

The candidate must have valid and unambiguous proof of identity (e.g., ID card, passport or driver's license with ID photo) and an official invitation to the assessment.

9 Decision to award the certification

After an initial certification examination for levels 1, 2, 3, and 4 or an initial certification evaluation for level 5, an Evaluation Committee consisting of at least three Level 3 members, at least two of whom are Level 4 members in the relevant application sector, meets either physically or via a conference call to decide on the examination results.

The Evaluation Committee gets together as soon as possible after the end of the grading by the examiner for the exam sessions for levels 1, 2, 3 and 4 and the very same day for level 5 evaluation. The Evaluation Committee considers the results and the recommendations of the examiner or evaluators in order to decide which candidates are accepted for certification.

For Level 5, the members of the Evaluation Committee are the evaluators.

If the candidate meets the certification requirement as indicated in the present document so the case will not be discussed.

Potentially, a candidate can be considered for certification if, for levels 1 to 4, he/she does not have an eliminatory grade in the different sessions and if he/she does not have more than 2 points/100 less on the totality of the tests compared to the minimum grade to be obtained (70/100).

Under these conditions and based on the examiner's recommendations, an analysis of the reasons for this difference will be carried out by the members of the Evaluation Committee who did not participate in the examination or in the training of the candidate. If these reasons are not likely to jeopardize the durability of the protected structures or the ones to be protected, the candidate may be certified.

In exceptional and justified cases, the resit conditions may be more flexible. The arguments for this decision will be included in the evaluation committee's report.

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For level 5, if the interview score is between 170/250 and 175/250, the members of the Evaluation Committee will discuss whether the candidate should be given an opportunity to be certified.

Once the decisions are made, they are formalized in a report.

The list of the certified persons is published by the CFPC.

10 Resit examination

For levels 1 to 4, candidates who have not achieved the required grade may retake any of the examination sessions in which they failed (common core, sectoral theory and practical sessions), as long as the re-examination takes place no later than 12 months after the original examination.

For this re-examination, candidates can keep the grades above 6/10.

Candidates who fail the re-examination or who do not retake the re-examination within 12 months may apply as candidates and must take the examination in accordance with the established procedures for new applicants.

For Level 5, there is no re-assessment. Candidates who do not achieve the required grade during the interview must apply again for the initial assessment.

11. Fraudulent acts

Any candidate who, during the examination, fails to comply with the above rules, commits a fraudulent act or is an accomplice to such an act, will be expelled from the rest of the tests. The candidate must wait at least one year before being allowed to take a new examination.

Any incident must be recorded by the examiner and communicated to the Evaluation Committee during the final deliberation.

12. Complaints and appeals

Claims and appeals are not accepted beyond thirty days after the results were sent to the candidate.

They are handled according to the PR/2000 procedure “Evaluation and process of claims and appeals”.

13. Certificates

13.1. Validity period of the certificates

The validity period of the certificate is 5 years. The date of the validity of the certification is the date of the Evaluation Committee meeting. It is mentioned on the certificate.

The certification becomes non valid:

- on the initiative of the CFPC, for example after becoming aware of evidence of unethical behavior incompatible with the certification procedures;
- if a significant interruption, as defined in the standard EN ISO 15257: 2017, occurs in the application sector for which the person is certified.

13.2. Fraudulent use of the certification certificate

In case of a professional conflict concerning the fraudulent use of a staff's certification certificate, the complainant may submit a complaint to the CFPC.

Any complaint related to the falsification or the fraudulent use of the certification certificate by the staff or his/her employer, is handled according to the procedure "Evaluation and process of claims and appeals" PR/2000.

The CFPC Board has the right to warn, to demote or even to invalidate the certification of a certified person in cathodic protection when insufficiencies or notorious failures in the practice of its activities have been reported by mail and in a well-argued way as it is specified in the procedure " Evaluation and process of claims and appeals " PR/2000.

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13.3. Issuing of the certificates

CFPC issues a certificate for each newly certified staff member that includes at least the following information:

- The first and last name of the certified person;
- The certification issue date;
- The certification expiration date;
- The application sector and the level of certification;
- The name of the Certification Body;
- The signature of the certified person;
- The unique identification number
- The signature of the designated representative of the Certification Body.

The designated representative of the certification body is the President of CEFRACOR or by delegation, the Leader of the CFPC.

This certificate is issued as a PDF document.

13.4. Change of employer and / or address

The certified personnel who changes employer and / or address has to inform CFPC in order to update the certified persons file.

13.5. Change of physical or mental capacity of the certified person

A certified person must inform, immediately, about the elements which can affect their ability to continue to meet the requirements of the certification.

13.6. Certificate for a new competence level or for a new application sector

A person, already certified in a given level or sector, who has passed a new examination for another level or application sector gets a new certificate.

14. Certification renewal

The certified personnel follow-up is defined in the procedure PR/16000.

After the first period of validity of certification (5 years) and then every 10 years, the certification of the personnel must be renewed for a new 5 year-period.

The renewal is subject to the favorable analysis, by the Head of the concerned Evaluation Committee or his/her substitute, the CFPC Leader or his/her substitute, of the follow-up sheets of the certified personnel. These sheets must provide proof of continuous and satisfying activity without significant interruption and of the updating of technical knowledge in the application sector for which the certification renewal is requested.

The completed follow-up sheets must be sent before the end of the validity of the certification and at the latest, 2 months after this deadline, except in cases of force majeure (illness, strike, non-compatible exam dates, expatriation, etc.).

The follow-up sheets of the certified personnel are filed.

In application of the standard NF EN ISO 15257:2017, it is considered that there is continuity of activity if it is exercised without absence or without change of activity for a period exceeding 1.5 years or at least 2 periods representing a total duration of more than 3 years during the validity period of the certificate.

If the information mentioned on the follow-up sheet sent by the candidate is valid, the certification of the latter is extended for an additional 5 years starting from the date of the end of validity of the previous period.

In the event that the renewal criteria checked from the follow-up sheets are not met, the certified person may apply for a "re-certification" exam for levels 1 to 3 or a "re-certification" evaluation for levels 4 and 5.

In case of failure, the person must be considered as a new candidate for certification in the relevant application sector and level.

In the particular case of a candidate belonging to CFPC, a special procedure is applied to avoid any conflict of interest. This procedure is described in PR/10000 "Management of Persons Involved in Certification".

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15 Re-certification

At the end of each second validity period (every 10 years), the certification is maintained only after a re-certification examination for levels 1 to 3.

As for the initial certification, an Evaluation Committee with at least three members of level 3, including at least two members of level 4 in the concerned application sector, meets either physically or through a conference call to decide on the examination results.

For levels 4 and 5, re-certification may be decided after demonstration of their competence to perform the tasks required in NF EN ISO 15257:2017 by submitting a file detailing their continuing professional training (courses, conferences, etc.), their permanent activity as managers in the applicable sector(s) and elements proving their continuing ability (reports, projects, technical articles, etc.).

It is required that CP certified people have their file confirmed by their employer and/or by independent CP active persons.

This file is submitted to an Evaluation Committee who will grade and decide on the re-certification allocation.

If there-certification is accepted, the validity of the certificate is then extended for 5 years. The validity date of the certification extension is the validity date of the last certificate + 5 years. It will be mentioned on the certificate.

15.1 Organization of the re-certification examination for levels 1 to 3

The re-certification examinations must be taken within a period ranging between 6 months before the end of validity date and 6 months after this due date, except in case of force majeure (disease, strike, expatriation...).

The examinations take place in approved Examination Centers according to the procedure “Rules and approval for the Examination Centres" (PR/7000) by the CFPC in accordance with the procedure PR/5000 “Certification process”.

The examination tests are led, supervised and corrected by at least one examiner as long as he / she meets the specific independence requirements as defined in this document.

The re-certification examination allows to evaluate the continuous ability to fulfil corresponding tasks of cathodic protection adapted to the level and the application sector of the certification to be renewed.

This session is described below:

For levels 1 and 2, the examination is based on two practical tests:

- potential measurements
- additional measurements (simple measurement for Level 1 et simple operating mode for Level 2) carried out on a structure or in lab.

For level 3, the examination is based on two practical tests:

- on the basis of concrete topics, the candidate has to explain (orally) the necessary steps to carry out a study, to give his / her opinion on the efficiency of a cathodic protection and suggest, if necessary, the relevant actions to improve the situation.
- from a service that has to be provided, the candidate must write for a level 1 a clear and concise instruction which might include a CP sizing..

In case of failure, the certificate will not be renewed. To be certified again in the concerned level and application sector, the candidate has to apply for a new initial certification examination.

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The number of tests scheduled for the re-certification examination as well as the total time allocated and the grading are presented in table below.

For the Land application sector

Levels	*Test 1*	*Alloted time*	*Grading /100*	*Test 2*	*Alloted time*	*Grading /100*
1	Potential measurements on structure (Eon)	30 mn (*)	60/100	Additional simple measurements on structure	*30 mn(*)*	*40/100*
2	Potential measurements on structure (Eon and Eoff, indicator measurement, gradient, IR…)	45 mn (*)	60/100	Additional measurements on structure (resistivity, soil measurements,…)	*30 mn (*)*	*40/100*
3	*Writing an instruction for level 2 and simple PC designing*	*120 mn*	*50/100*	*Oral analysis of a report with common anomalies and/or simple CP designing*	*60 mn (*)*	*50/100*

For the marine metallic application sector

Levels	*Test 1*	*Alloted time*	*Grading /100*	*Test 2*	*Alloted time*	*Grading /100*
1	Potential measurements on structure (Eon)	30 mn (*)	40/100	Additional simple measurements on structure	*30 mn (*)*	*60/100*
2	Potential measurements on structure (Eon, Eoff, …)	30 mn (*)	40/100	Additional measurements in tanks or in lab	*45 mn (*)*	*60/100*
3	*Writing an instruction for level 2 and simple PC designing*	*120 mn*	*50/100*	*Oral analysis of a report with common anomalies and/or simple CP designing*	*60 mn(*)*	*50/100*

For the reinforced concrete application sector

Levels	*Test 1*	*Alloted time*	*Grading /100*	*Test 2*	*Alloted time*	*Grading /100*
1	To be defined	30 mn (*)	60/100	*To be defined*	*30 mn (*)*	*40/100*
2	To be defined	45 mn (*)	60/100	*To be defined*	*30 mn (*)*	*40/100*
3	*To be defined*	*120 mn*	*50/100*	*To be defined*	*60 mn (*)*	*50/100*

(*) the indicated time does not take into account the preparation time for the test by the candidate (about 30 minutes of preparation for the field or lab tests and 60 minutes for the oral analysis of a report).

In order that the certification of the candidate can be renewed, the final grade of the examination must be higher or equal to 7/10.

The Evaluation committee gets together as soon as possible after the end of the grading by the examiner to consider the results and the recommendations of the examiner in order to decide which candidates are accepted for re-certification.

If the candidate meets the conditions of allocation of the re-certification, there will not be any discussion.

Potentially, a candidate can be considered for certification if, for levels 1 to 3, he/she does not have an eliminatory grade in the different tests and if he/she does not have more than 2 points less on the totality of the tests compared to the minimum grade to be obtained (70/100).

Under these conditions and by taking into account the recommendations of the examiner, there will be an analysis of the reasons of this variation by the members of the Evaluation Committee who did not take part in the examination process nor in the training of the candidate. If these reasons are not likely to endanger the durability of the protected works or to be protected, the candidate could pass.

The decisions taken are formalized in the form of a report.

The mention “re-certification” is indicated on the new certificate sent to the certified person as well as the end of

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the new period of validity.

The re-certification file is archived with the file of the first certification and renewal.

15.2 Organization of the re-certification examination for levels 4 and 5

The re-certification assessment is based on the assessment and the grading of a file provided by the candidate, detailing his / her permanent professional activities demonstrating his / her ability to perform the tasks specified for level 4 or 5 in the applicable sector(s) listed in Article 6 of NF EN ISO 15257: 2017 standard.

The competence file filled in by the candidate must be returned before the end date of validity of the certification and at the latest 6 months after this deadline, except in case of force majeure (illness, strike, non-compatible exam dates, expatriation, ...).

The candidate will have to prove, through a resume, the absence of any significant break during the 5-year period between his last renewal and his re-certification application.

The CFPC also requires the applicant to have his or her file confirmed by his or her employer and/or by independent referees.

If necessary, the Evaluation Committee may request an interview with the applicant.

15.2.1 Assessed professional activities and tasks

Assessed professional activities and tasks for a level 4 re-certification

Assessed professional tasks	Sector	Number of the assessed task	Allocated points	Maximum points max by task
Prepare technical reports	All	1	4 points for each mentioned document	16
Interpret commissioning or performance verification data and prepare commissioning report, performance verification report or system review report for non-simple CP systems	All	18	5 points for each mentioned document	20
Corrosion cases expertise, assess data and determine cause of corrosion and remedial action	All	34 / 52	5 points for each mentioned expertise	20
Utilize new developments in science and technology of corrosion and CP along with field performance experience and participate in developing improvements to CP designs, operations, performance assessments and maintenance procedures	All	35	3 points for each mentioned experience	12
Establish technical instructions including definition of CP test procedure and equipment to be used and/or et/ Interpret and evaluate results from all tests performed for tasks not fully covered in standards, codes and specifications	All	40/41	3 points for each mentioned document	12
Design non-simple CP systems (non-simple CP systems meshed networks and/or protected by	Land application	42/7	6 points for each mentioned	18

several different PC systems and/or with different types of coating and/or exposed to stray AC or DC currents)	sector		document	
Analyse and treat DC interferences from a dynamic source and/or AC interferences from a static or a dynamic source	Land application sector	40/41/42	6 points for each mentioned document	18
Organize underwater potential and/or anode current output surveys for non-simple application	Marine metallic application sector	15	2 points for each mentioned document	6
Design non-simple CP systems Examples are systems for coastal, offshore and submarine facilities, floating production and storage structures, ships	Marine metallic application sector	2	5 points for each mentioned document	15
Analyse the results of potential and/or anode current output surveys for non-simple applications	Marine metallic application sector	17	5 points for each mentioned document	15
Design CP system and other electrochemical treatments	Reinforced concrete application sector	14	6 points for each mentioned document	18
Supervise installation of cable connection to pre-stressing steel	Reinforced concrete application sector	19	6 points for each mentioned document	18
Design a non-simple CP system	Internal surfaces	4	6 points for each mentioned document	18
Design CP taking into account impact on CP performance and safety implications of anodic and cathodic reactions, producing gasses and changing pH	Internal surfaces	5	6 points for each mentioned document	18
Attended training courses, internships	All	-	2 points for each completed training or internship	8
Given training or conferences	All	-	4 points for each given training or conference	12
Participation in events, congresses	All	-	3 points for each participation	9

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Effective participation in committees or working groups	All	-	4 points for each participation	12
Participation in research projects (R&D, dissertations, publications)	All	-	5 points for each participation	15
CFPC Examiner for levels 3 or 4 exams for the concerned sector	All	-	yes or no	
Level 5 candidate examiner for the relevant sector	All	-	yes or no	
Leader of a CFPC sectoral committee for the relevant sector	All	-	yes or no	

Professional activities assessed for level 5 re-certification for all sectors

Evaluated professional activities	Maximum grade assigned after analysis
Executed R&D projects	5
Executed engineering projects with sole or premier responsibility for significantly complex or novel CP designs	30
Editor or member of scientific board in technical or scientific journals	5
Publications in technical or scientific journals or books	5
Lectures at congresses or training courses	15
Participation in standard or technical committees	15
Patents that have been substantially applied	5
Technical lead in the development of new technology or new applications	10
Additional information	15

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15.2.2 Requirements for level 4 or 5 re-certification

For the candidates applying for a level 4 re-certification, the certification will be extended if the number of final points given to the file of the candidate is higher or equal to 70 and if he meets the requested requirements or if the candidate is, within the CFPC, a level 3 or level 4 examiner in the concerned sector and/or a level 5 evaluator and/or the Head of a sectorial committee.

For candidates applying for a level 5 re-certification, the certification will be extended if the final number of points given to the candidate's file is greater than or equal to 70 and if he/she meets the requested requirements.

The Evaluation Committee meets as soon as possible after the transmission of the candidate's re-certification application in order to decide on the renewal of the certification.

If the candidate meets the requirements for re-certification there will not be any discussion.

If the grade given, after the examination of the candidate's file, is between 68 and 70, the members of the Evaluation Committee will discuss whether the candidate is re-certified or not.
If the candidate fails, the certificate will not be renewed. To be certified again at the relevant level and application area, the candidate must take the initial certification examination for level 4 and an initial assessment for level 5.

The decisions taken are formalized in a report.

The mention of the re-certification as well as the end of the new validity period of are indicated on the new certificate sent to the certified person.

The re-certification file is archived with the file of the initial certification and the renewal certification.

16. Certification costs for renewal and re-certification

The CFPC Board defines the fees and the conditions of payment related to certification.

The costs of the various certification operations are indicated in the document DT/5052 "Certification cost" except for some particular cases referring to a specific agreement (service provided abroad for example).

The conditions and modalities for the management of the certification, the renewal and the re-certification are defined in the procedure PR 16000 "Follow-up of certified persons".

17. Confidentiality

The applicant (potential candidate) must decide at the time of application for a certification examination, whether or not he/she agrees to provide any unauthorized party information relating to the certification process other than that provided by him/her.

It is agreed that:

- if the applicant is applying through his/her company, the responsible person in the company is not considered an unauthorized party.
- if the applicant is applying as an individual, the responsible person of his company (if any) is considered as an unauthorized party.

The publication of the names of the certified persons in the list of certified persons available on the CFPC website is not confidential.

As a matter of principle, all information gathered during the certification process, other than that provided by the candidate, is confidential and may not be disclosed. In the case of an information request by an unauthorized party to the Certification Body, the latter will then have to verify that the candidate has agreed to the disclosure of this information, when he/she applies for his/her certification exam.

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