TÜVNORD

DESCRIPTION OF THE CERTIFICATION PROCESS

IEC 62351 Cyber Security for Energy Networks – Components and Systems (Products)

CONTENT

Do you have any questions about the service description? We like to help you.

You can reach us by Email info.tncert@tuev-nord.de or in person from Monday to Friday between 7:30 a.m. and 6:00 p.m. at 0800 – 2457457.

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The certification process for components and systems consists of the offer and contract phase, project preparation including application assessment, evaluation, review of the required documentation, the certification decision, the issuance of certificates and monitoring/re-certification.

The experts and, if necessary, parties/external resources to be involved in the evaluation as well as specialist certifiers/reviewers are selected for the evaluation by the certification body of TÜV NORD CERT GmbH according to their approval and competence.

1. CERTIFICATION PROCEDURE

1.1. Project preparation

After reviewing the documents submitted by the customer, the certifiability of the component/system is determined. If the result is positive, a kick-off meeting will take place to define the exact subject matter under consideration and determine the limits of the scope of certification.
For further project preparation, depending on the complexity of the object under consideration, a concept test is carried out, from which a test plan is then derived. Finally, the staff competencies required for the project are determined and the respective roles for the evaluation, assessment and certification decision are defined.

1.2. Requirement certification procedure in accordance with IEC 62351

As a requirement for a certification process according to IEC 62351, the existence of a process certificate according to IEC 62443 Maturity Level 3 (ML3) is mandatory. ML3 proves that either the process according to IEC 62443-2-4 or IEC 62443-4-1 has been implemented in the company.

1.3. Evaluation

Depending on the scope and scope of the certification:

- an examination of the conformity documentation provided for the organization, systems and components
- a practical test (in a laboratory or accompanied by two evaluators at the customer's site)
- an examination of the processes of manufacturers and suppliers.

This evaluation must be carried out by the persons named and qualified in the associated competence matrix of TÜV NORD CERT GmbH.
The results of the evaluation must be stored in the test programs in an appropriate manner by the evaluator and are documented in a technical report and confirmed with a signature by the evaluator.

1.4. Review

The results of the evaluation process - and the related documentation - are checked for completeness and compliance with the relevant requirements of the certification process. The review must be carried out by the qualified persons named in the associated competence matrix of TÜV NORD CERT GmbH.

The results of the review are summarized in a technical report and confirmed with the reviewer's signature. The result of the review is the reviewer's certification recommendation, documented with his or her signature on the project checklist.

1.5. Granting of certificate

The certification decision is made on the basis of the evaluation and review documentation. The certification decision must be made by the TIC manager or his representative. If the certification decision is negative, the customer must be informed, stating the reasons.

2. MONITORING OF CERTIFICATES

The certification body is obliged to monitor the certificates it issues throughout the entire period of validity. It fulfills this obligation through various measures.
In the event of changes to the hardware and/or software of the system/component, these must be reported to the certification body immediately by the certificate holder in the event of functional changes (release changes). One of the two alternatives 2.1 or 2.2 will be determined in consultation with the customer before the certificate is issued.

2.1. Manufacturing site surveillance

Annual manufacturing site surveillance is carried out. The initial inspection of the production site takes place in the year of exhibition. Note: P12-VA-01-A4 applies to monitoring the issued certificates.
The result of the initial inspection of the production site and the annual surveillance is a detailed inspection report. The continued validity of the certificate is then confirmed or a reassessment of the changes made is requested by the certification body. If the delta check is successful, further validity is then confirmed with new versions; the certificate term remains unchanged.

2.2. Version management of hardware and/or software

Software changes as part of maintenance (introduction of error corrections or security patches) do not have to be reported. This means that the customer operates a certified version management system. Other software or hardware changes must be reported. The assessors and evaluators of the certification body check the influence of the changes made (impact analysis) on the certificate statement. The continued validity of the certificate is then confirmed or a reassessment of the changes made is started and carried out by the certification body. If the delta check is successful, further validity is then confirmed with new versions; the certificate term remains unchanged.

3. RE-CERTIFICATION

The recertification must take place before the original certificate expires. It is recommended to commission TN CERT to re-certify 6 months before the certificate expires. A separate offer will be created for re-certification and includes the test steps from the first point.

4. EXTENSION OF THE CERTIFICATE

The certificate can be expanded to include additional locations or products. TÜV NORD CERT GmbH must be informed of this in writing. The necessary tests for the expansion will be offered to the customer

in a separate offer. The extension of the certificate is only effective after completion of the test and written notification from TÜV NORD CERT GmbH to the customer.

5. ADOPTION OF CERTIFICATIONS FROM OTHER CERTIFICATION BODY

Certificates for (sub)systems of the subject of certification that were issued by other certification bodies can be recognized if these certificates are valid at the time of the conformity assessment of the higher-level system, the certification body is accredited and the scope of application of the subsystem is consistent with the subject of assessment.