

“3D-INCERTA carries out personnel certification activities under TS EN 17024 accreditation to determine the theoretical knowledge and/or practical skill level of welders working in the welding-based manufacturing sector. This is done through a direct exam, in accordance with the required standards or codes, with the aim of certifying them.

The 3D INCERTA Personnel Certification Program covers the following standards::

TS EN ISO 9606-1	Certification of Steel Welders
TS EN ISO 9606-2	Welding – Aluminum and Aluminum Alloys
TS EN 14732	Welding Personnel – Welding Operators and Resistance Welding Setters for Fully Mechanized and Automatic Fusion Welding of Metallic Materials
API 1104	Pipeline Welders
ASME Sec. IX	Pressure Vessel and Boiler Welders
AWS D1.1	Steel Structure Welders
AWS D1.5	Bridge Welders
TS EN 13585	Brazing - Certification of Brazers

Personnel certification is carried out in accordance with the 3D INCERTA procedures and relevant certification standards. The exam is conducted in English.

PREREQUISITES AND EVALUATION FOR CERTIFICATION APPLICATION:

- 1- Being able to perform welding in the relevant welding method.
- 2- Not having any physical obstacles that prevents the candidate from performing welding.
- 3- Being able to read and write,
- 4- The candidate must pass the written exam. If they fail the practical exam, they can take the practical exam within three months after the written exam without retaking the written exam. However, if the three-month period is exceeded, they must retake the written exam.
- 5- The location for the welder exam will be provided by the applicant.
- 6- The theoretical exam for metal welders is only conducted upon request. The theoretical exam consists of 20 multiple-choice questions, and the exam duration is 60 minutes. A success rate of 80% is required to pass the exam.
- 7- The test pieces to be used during the exam will be prepared by the applicant in accordance with the relevant standards.
- 8- The welding machine, equipment, and other tools to be used during the exam (electrode, wire, pliers, flux, gas, welding mask, etc.) will be provided by the applicant, and it will be guaranteed that they are calibrated.
- 9- During the welder exam, safety measures related to work safety and the preparation of a safe exam environment will be provided by the applicant. The exam will not begin unless controlled conditions are ensured.
- 10- During the welder exam, any additional requirements that may be requested by 3D INCERTA personnel to ensure compliance with the relevant certification standard will be met.
- 11- The personnel applying for certification will only take the welder exam on their own behalf.
- 12- After the welder exam, non-destructive tests required for the evaluation of test pieces in accordance with the relevant certification standard, and if necessary, destructive tests, will be conducted by the applicant. The tests may:

BELGELENDİRME CERTIFICATION RIIIFC

KAYNAK VE WELDING AND BRAZING PERSONNEL

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- be carried out at subcontractor organizations approved by 3D INCERTA.
- be carried out by accredited laboratories (e.g., bending test).
- be conducted under the supervision of a 3D INCERTA inspector. For tests that do not require testing equipment (such as fracture tests), the supervision of only the 3D INCERTA inspector is sufficient.

- 13- If the applicant is unable to provide the exam location, test pieces, welding equipment, and tools to be used during the exam, the exam will be conducted at the partner organizations designated by 3D INCERTA.

CONDITIONS TO BE PROVIDED IN THE EXAM ENVIRONMENT:

- 1- The exam area should be suitable for camera recording.
- 2- The exam area should be free of wind, but it must have proper ventilation.
- 3- There must be at least one fire extinguisher in the exam environment.
- 4- The personal protective equipment required for the candidate's work must be prepared before the exam.
- 5- The exam area should be enclosed with a safety tape to prevent the entry of unauthorized persons, except for the examiner and the candidate.
- 6- Camera recording will be made during the exam. Objections to the camera recording will not be considered unless the company conducting the exam proves its activities in the defense industry to the Examiner, or the exam will not start without a camera recording.
- 7- All technical equipment for the personnel entering the exam shall be available in the exam area. 3D-Incerta will not provide any equipment to the personnel taking the exam.
- 8- The exam will begin after the Examiner evaluates the exam environment before the exam.

DOCUMENTS REQUIRED FOR CERTIFICATION APPLICATION:

- 1- A copy of the identification card(s).
- 2- A copy of the WPS (Welding Procedure Specification) to be used in the exam (If applicable). (In brazing certification, personnel cannot be certified without a BPS (Brazing Procedure Specification)).
- 3- (If the application is for the extension of the validity of the document) The original certificate, which has been extended at 6-month intervals by the responsible supervisor of the personnel, and test reports on volumetric properties (radiographic or ultrasonic inspection reports from accredited NDT organizations) or test reports from accredited destructive testing laboratories, related to at least one of the welds performed by the personnel within the last six months of the certificate's validity period, in the qualified range (excluding thickness or diameter).
- 4- A copy of previous training, references, and certificates (if applicable).
- 5- A copy of the document showing the educational background (if applicable).
- 6- The filled-out Personnel Certification Application form. (KYEK-E22-F.001)
- 7- Signed Offer/Contract.
- 8- The certification fee must be paid (when the payment is made by the candidate).
- 9- If deemed necessary, 3D INCERTA may request a medical report from the applicant.

RENEWAL OF EXAM: Renewal of the Theoretical Exam

- 1- If the theoretical exam is mandatory and the candidate does not pass, they will be considered unsuccessful and will not be allowed to take the practical exam.
- 2- If the candidate passes the theoretical exam but fails the practical exam, they can take the practical exam within three months after the theoretical exam without retaking the theoretical exam. However, if the three-month period has passed, they must retake the theoretical exam.
- 3- If the candidate fails both exams, it is recommended that they undergo additional training and education before taking a new exam.

BELGİLENDİRME CERTIFICATION RULES

KAYNAK VE WELDING AND BRAZING PERSONNEL

Renewal of the Practical Exam

For the practical exam piece to be accepted:

1. All slag and spatter must be removed.
2. The weld must not have been ground on the root and face sides.
3. The start and stop points of the root and cover passes must be clearly marked.
4. The profile and dimensions must be correct.
5. The welding time for the test piece must be appropriate for the working time under standard manufacturing conditions.
6. All conditions of the relevant WPS or pWPS must be fully met.

If the welder fails to meet the six conditions mentioned above during the exam, they will be given an opportunity for a new qualification exam within the same exam period. If they are still unable to meet the six conditions in this second exam, they will be considered unsuccessful. If it is concluded that the failure is metallurgical in nature or not directly related to the welder's skill, a retake of the exam will be required.

Issuance of the Certificate

If the conditions mentioned above are met, the Examiner's checks yield positive results, and the test results are successful, the certificate will be issued with the approval of the Certification Manager or the Personnel Certification Department Head.

Monitoring of the Certificate and Maintenance of Validity, Suspension, and Renewal Conditions

The validity of the permanent connection personnel's qualification starts from the date the certification decision is made. The validity period is determined based on the date the practical exam is conducted. This is valid provided that all necessary inspections are completed and acceptable exam results are obtained. According to ASME, AWS, and API, welding and welding operator certifications are valid for as long as the welding personnel continue working at the same company, with 6-month extensions. Welding certifications issued under ISO 9606-2 standards are valid for a period of two years; welding certifications issued under ISO 9606-1 and EN 13585 standards are valid for a period of three years. To maintain the validity of the certificates, the relevant supervisor responsible for the employee must certify every 6 months that the personnel is working within the scope of their initial qualification exam. Certificates not certified every 6 months will be suspended for a period of 1 month.

When an application for the extension of the certificate's validity is received at the end of the validity period, the 3D-INCERTA Examiner will visit the location where the certificate holder works and collect the necessary documentation for the extension of the certificate's validity, provided that the following conditions are met:

- The personnel's initial qualification exam certificate must be signed by the relevant supervisor responsible for the employee every 6 months. The 3D-INCERTA Examiner will take the original signed document and leave a copy with the company.
- The evidence to support a 2- or 3-year extension must include volumetric properties (radiographic or ultrasonic inspection reports from accredited NDT organizations) or a destructive testing report conducted on two welds during the previous six months. The company performing the tests must be accredited in destructive testing (such as fracture or bending tests) according to the TS EN ISO/IEC 17025 standard.
- To extend for 2 or 3 years, during the visit of the 3D-INCERTA Examiner to the relevant company, they will randomly inspect the welds of the personnel named on the certificate at the company according to the relevant standard. The inspection result must be positive.

BELGELENDİRME CERTIFICATION RULES KAYNAK VE WELDING AND BRAZING PERSONNEL

If the review results are positive, the extension of the certificate will be valid by signing the extension section on the certificate.

No certificate will be issued to the holder if the invoice has not been paid.

The validity period of the certificates is 2+2 years for ISO 9606-2, and 3+3 years for ISO 9606-1 and EN 13585.

At the end of the 2+2 / 3+3 years, in order to issue a new certificate, the candidate must qualify for recertification. If the accreditation of 3D-INCERTA is suspended, the certificates previously issued will be suspended, and the certificate validity periods will not be extended.

Amendment of the Document

If there is a change in the information regarding the document holder on a document issued by 3D-INCERTA, which is still valid, and the document holder applies with the necessary evidence specifying the changes (the application is received in writing - email, petition, letter, etc.), a new offer will be made. After receiving the approval of the offer, the document will be re-prepared and approved.

Changes In the Scope of the Document

In the event of a revision of the relevant standard evaluated within the scope of the document issuance, the document remains valid until its expiration. The document will not be extended at the end of the 2nd or 3rd year, and if an application is made, the personnel will be subjected to re-examination according to the revisions made in the standard.

Cancellation and Withdrawal of the Document

If the document is not signed by the supervisor responsible for the personnel every 6 months, it will lose its validity after a 1-month suspension period unless the necessary correction is made.

When the personnel passes away, the document automatically loses its validity.

In case of typographical errors caused by 3D-INCERTA or the client in the issued document, a request for document withdrawal will be notified in writing to the relevant company or personnel within 3 business days following the detection of the error.

The time allowed for delivering the original of the incorrect document to 3D-INCERTA is until the first business day following 1 month after the written notification. If the document is not received by 3D Incerta within this period, the document will be canceled. The cancellation will be communicated to the company or personnel in writing.

Any revision or change in the standard after the date the exam piece(s) are joined will not affect the document to be issued. The document will be prepared according to the standard valid on the day the exam piece is joined, and the personnel will be certified accordingly.

In the event of the liquidation of 3D-INCERTA Belgelendirme Mühendislik Gözetim ve Denetim Ltd. Şti. or the cancellation of its accreditation, the document remains valid for the 2/3-year period, as long as the conditions written above for the validity of the document are met.

In the event of non-fulfillment of the contractual conditions financially, the document will be canceled and announced on the website of 3D Incerta, www.3d-incerta.com.

In the case of violation of the contractual requirements, the document will be canceled and announced on the website, either unilaterally or mutually. If it is found that someone other than the person to whom the document was issued is using it, the document will be canceled unilaterally and announced on the website.

BELGELENDİRME CERTIFICATION RULES

KAYNAK VE WELDING AND BRAZING PERSONNEL

CERTIFICATE AND LOGO USAGE:

The logo and certificates belonging to 3D INCERTA Belgelendirme Mühendislik Gözetim ve Denetim Ltd. Şti. can only be used by institutions/organizations and individuals who have successfully completed certification processes conducted by 3D INCERTA and are entitled to receive certification. The certificate holder may not use the certificate outside the scope of certification and accreditation rules. The 3D INCERTA logo and certificate cannot be used in any section, affiliate, or subsidiary not included in the scope of the document. The logo cannot be used in a way that implies certification applies to activities outside the scope of certification. In the event of the document's expiration, suspension, or withdrawal, the company is immediately required to cease using the logo and certificate. In case of misleading or inappropriate use of the 3D INCERTA logo and certificate, all legal rights belong to 3D INCERTA.

COMPLAINTS AND APPEALS:

Complaints and appeals related to the certification process are handled according to the KYEK-E6-P.001 Complaints, Appeals, and Disputes Procedure. This procedure is publicly available on the website www.3d-incerta.com.