

## Certification Scheme for Persons (**TMS 01**) in Welding - Welders (steel welding)

ELEMENT	DESCRIOPTION
Subject and area of certification  Reference documents	Certification of persons in the field of welding Category of persons:  • welders (steel welding)  • personnel for performing permanent joints on pressure equipment  • SRPS EN ISO 9606-1:2017 except for t. 9.3. c)  • Rulebook on pressure equipment, ("Official Gazette of RS"
Description of jobs and	No. 114/2021) Annex I, item 3.1.2
Description of jobs and tasks	The welder, in accordance with the prescribed welding technology/WPS list, welds metal materials by melting, whereby metal materials include all types of steel. The WPS list contains all the necessary data on the type of material, basic and additional, on the welding position, the number of passes, etc.
Criteria for initial certification / recertification (certificate renewal)	For <u>initial certification</u> according to the TMS 01 scheme, there are no special prerequisites related to education, general and specific work experience. The TMS 01 exam can be taken by all applicants who believe they have the appropriate skills to form a sample prescribed by the SRPS EN ISO 9606-1 standard.
	<ul> <li>The conditions for recertification are as follows:</li> <li>option according to point 9.3a - after the expiration of 3 years from the issuance of the certificate, re-certification is necessary;</li> <li>option according to point 9.3b - after the expiration of 2 years from the issuance of the certificate, the certificate is extended for an additional 2 years with the submitted certificate, authenticated for the last 6 months and the Report on the corresponding test (NDT or destructive test);</li> <li>the approval for performing permanent joints on pressure equipment is renewed under the same conditions as the certificate that was approved.</li> </ul> Link to: TMS PR.08, Rules for certification of persons and point
Method of certification / assessment method for initial certification and recertification	9.1 and 9.3 SRPS EN ISO 9606-1  Certification: Examination and evaluation of the compliance of the demonstrated competence of the candidate on the conducted exam - by checking his work, with the established requirements for competence for a certain qualification, specified in the reference standard.
	Recertification: Evaluation of the candidate's competence based on the results of the evaluation of the submitted documentation.  Link to: TMS PR.08, Rules for certification of persons and point 9.3 SRPS EN ISO 9606-1
Provision of conditions for the implementation of the exam	Each candidate shall, independently of STSO, ensure the conditions for the implementation of the exam. All the necessary conditions are given in the document SO QI 02 03, Information on the conditions for the implementation of the exam.
	The candidate should provide: WPS or pWPS (if not, the examiner can provide it).



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Criteria / evaluation method	Professional knowledge exam: this part of the exam is not mandatory.
	The result of the professional knowledge test is satisfactory if the candidate answers positively to at least 8 out of a total of 10 questions.
	Practical part of the exam: in accordance with the provisions of the reference standard, through confirmation by examining the test sample in an accredited testing laboratory.
	Approval for performing permanent joints on pressure equipment: Inspections and tests are carried out under the responsibility of the designated body. When approving personnel for performing permanent joints on pressure equipment, the subject and area of the welder's certification is checked in relation to the requirements for performing permanent joints on pressure equipment.
	Link to: TMS PR.08, Rules for certification of persons and point 6.4 and 7 of SRPS EN ISO 9606-1; Rulebook on pressure equipment, Annex I, item 3.1.2; List of Serbian standards in the field of pressure equipment and assemblies where the maximum allowable PS pressure is greater than 0.5 bar
Code of behavior of a certified person	The rules of behavior of a certified person are given in the documents: TMS PR.08, Rules for the certification of persons and SO QI 02 01, Instructions for the use of certificates.
Monitoring methods and criteria	Checking or confirming that the certified person submits, every 6 months after the award of the certification, a certificate of performance of the work for which it is certified. This implies the obligation of the welding coordinator to validate the certificate of the certified person every 6 months.
	The approval for performing permanent joints on pressure equipment is valid under the same conditions as the certificate that was approved, including the period of validity.
	Link to: TMS PR.08, Rules for certification of persons and clause 9.3 SRPS EN ISO 9606-1
Criteria for suspension and withdrawal of certification	Described in document TMS PR.08, Rules for Certification of Persons.
Criteria for changing subjects and areas or certification levels	In the event of a change in the certification scheme, i.e. the reference standard, certified persons and other interested parties will be appropriately informed about the changes and ways of verifying them.
	Link to: TMS PR.08, Rules for Certification of Persons