

DIRECTIVE 2014/68/EU (PED) – MODULE G- ASSEMBLY CONFORMITY BASED ON UNIT VERIFICATION

1. PURPOSE OF SERVICE

The PED Module G service proposed by Bureau Veritas is to assess the conformity of assemblies to module G requirements, according to §6 of article 14 and Annex III of Pressure Equipment Directive 2014/68/EU (PED) and national transposition.

In particular assemblies shall be subjected to a Global Conformity Assessment, as defined in PED.

The service shall be performed in compliance with the contract entered into between Bureau Veritas and the Applicant and/or the Bureau Veritas General Terms and Conditions of Service.

2. SCOPE OF APPLICATION

The service is performed by Bureau Veritas as a notified body, recognized by a European Member State, in compliance with statutory requirements and its own general procedures.

The conformity assessment procedure as per Module G is applicable to assemblies classified up to category IV as defined in art. 14.6.b of PED.

The applicant may also ask for this assessment procedure for assemblies classified in category I, II or III according to PED.

The applicant, applying for the assessment of the equipment or assembly, is the manufacturer who is responsible for design, manufacture and tests or its authorised representative. He must retain overall control and have the necessary competence to take the responsibility for the product.

3. APPLICABLE STANDARDS AND REGULATIONS

- European Directive 2014/68/EU (PED) and national transposition after July 19th, 2016
- The harmonized standards published in the Official Journal of the European Communities and national transpositions or equivalent standards ensuring the conformity with the essential safety requirements of the PED.
- European approvals for materials published in the Official Journal of the European Communities
- Official interpretation issued by European Commission (PED Guidelines) as published on the official website

4. PERFORMANCE OF SERVICE

The conformity assessment service as per Module G, defined in PED Annex III and proposed by Bureau Veritas, consists in the examination of the design and manufacturing/erection of the assembly and the performance during manufacture of appropriate tests or examinations, to ensure its conformity with the requirements of the PED which apply to it.

In particular Bureau Veritas will:

- Checks the CE marking of individual items of pressure equipment incorporated into the assembly, as well as accompanied documents (instructions notice...)
- In case, some items of pressure equipment would not be previously subjected to a conformity assessment procedure and to a separate CE marking, they will be assessed independently and a separate order will be issued
- Examines the technical documentation relating to the integration of the various components of the assembly (drawings, design calculations, test reports, list of relevant standards, hazard analysis etc).
- Checks the protection of an assembly against exceeding the permissible operating limits (3.2.3 – annex I)
- Checks the Provisions to ensure safe handling and operation (2.3 - annex I)

- Checks the components to be assembled together are suitable and reliable for their duty; and are properly integrated and assembled in an appropriate manner (2.8 - annex I)
- Checks the provisions for filling and discharge (2.9 - annex I)
-
- Checks qualification and approval by a notified body or by a recognized third party of permanent joining procedures.
-
- Checks qualification and approval by a notified body or by a recognized third party of staff engaged in permanent joining and non-destructive tests.
-
- Carries out the final inspection (internal and external inspection, checking of accompanying documents, witness to pressure/tightness test) and, checks the full compliance of safety devices with the requirements referred to in 2.10 Annex I of PED

If during the design assessment the materials used for equipment in category III or IV fail to conform to a harmonised standard or EU materials approval, Bureau Veritas will review the "particular material appraisal", to verify that the materials meet the essential safety requirements of PED.

5. CONDITION OF PERFORMANCE

The applicant must:

- Lodge an official conformity assessment application for unit verification Module G stating:
 - His name and address and the location of the pressure equipment.
 - Relevant assessment module, description of equipment concerned and its classification of risk category as per PED.
 - Written declaration to the effect that a similar application has not been lodged with another notified body.
- Provide Bureau Veritas with full technical documentation in duplicate concerning the equipment for assessment, as stipulated for module G (cf. PED Annex III), regarding design, manufacture, testing and operation.
- Provide the Bureau Veritas inspectors with any measures needed to perform the final inspection (e.g. preparation of the equipment, lifting means and easy access to all part to be inspected, good lighting system, supply of the fluids and accessories necessary for the tests).
- When requested by Bureau Veritas, provide all measuring equipment used during the fabrication, inspection and testing. The equipment shall be calibrated accordingly, and the evidence of the current calibration shall be provided to the PED inspector for verification. In case the applicant issues NCR relating to calibration, he shall inform Bureau Veritas and propose appropriate corrective actions.
- Allow the Bureau Veritas access for inspection purposes to the locations of manufacture, inspection, testing and storage and provide it with all necessary information.

The Bureau Veritas inspector(s) must be accompanied by a competent person (appointed by the applicant) during the inspection.

The realization of the final assessment on the premises is possible only where the technical conditions laid down by the directive can be achieved and the technical manufacturing documentation is made available to the inspector.

The applicant is responsible for ensuring a safe working environment to the Bureau Veritas inspector(s), wherever the performance of work takes place. All appropriate measures must be taken, in accordance with applicable laws and regulation, international standards and state-of-the-art practices.

Evidences of satisfaction/performance of the above mentioned measures must be provided to the Bureau Veritas inspector(s) (if applicable) before the beginning of the inspection.

If Bureau Veritas Inspector evaluates that his health or safety is exposed to a serious, uncontrolled and imminent risk, he or she may postpone the inspection.

As requested by PED 2014/68/EU, the applicant shall:

- keep the technical documentation and the EU declaration of conformity for **10 years** after pressure equipment or assemblies have been placed on the market.
- further to a reasoned request from a competent national authority, provide it with all the information and documentation necessary to demonstrate the conformity of the pressure equipment or assembly with this Directive, in a language which can be easily understood by that authority

6. BUREAU VERITAS DELIVERABLES

The deliverables that may be expected from Bureau Veritas are:

- Upon completion of each inspection, a report is issued containing:
 - details of service performed,
 - observations made,
 - review of solutions proposed by the manufacturer to correct any discrepancies and non-conformities observed.
- When the conclusions of the final examination are satisfactory, a certificate of conformity which authorizes the Applicant to affix the Bureau Veritas notified body identification number on the equipment concerned and draws up the declaration of conformity.

7. LIMITS OF THE PRESENT SERVICE

This service does not comprise:

- Any service under the terms of another EC Directive applying to the relevant item,
- Design conformity assessment,
- Particular Material Appraisal
- Qualification of permanent joining procedures and operators where appropriate,
- Destructive and non-destructive tests.
- Approval, as Notified Body, of operating procedures and personnel for permanent joining.
- Qualification of Non-destructive tests personnel
- Approval, as Notified Body, of personnel for non-destructive tests
- Material Manufacturer Quality System Assessment
- Material Certificates of specific product control (e.g. Certificate type 3.2 as per EN 10204)

8. OTHER SERVICES

Subject to an express agreement by the parties, the assessment as per Module G service may be supplemented, when appropriate and/or allowed by the Notification held by Bureau Veritas, by other services such as:

- Qualification of welding procedures and welding operator
- Approval as Notified Body, of operating procedures and personnel for permanent joining
- Approval as notified body, of personnel for non-destructive tests.

9. COMPLAINTS AND APPEALS

Should the Applicant wish to appeal against or dispute any decision of Bureau Veritas, it should do so in accordance with the Bureau Veritas appeals procedure, available upon request.

Should a complaint arise about Bureau Veritas, such complaint shall in the first instance be made to the local Bureau Veritas office. If the Applicant does not wish to complain directly to the local Bureau Veritas office, the complaint shall be sent in writing to Bureau Veritas Services, Le Triangle de l'Arche - 8 Cours du Triangle 92800 Puteaux FRANCE, attention to I&F TQR Direction.

10. CONFIDENTIALITY

The national competent authority may request from Bureau Veritas as a Notified Body information which Bureau Veritas and the Applicant may consider confidential.

The provision of such information to the national competent authority is a mandatory requirement for Bureau Veritas as a Notified Body and shall not be considered as a breach of confidentiality by Bureau Veritas.

End