

- (1) Facility name
 - (2) Address
 - (3) Ownership (including any change in majority ownership that has the effect of creating a new entity, or alters the legal status of the approval holder)
 - (4) Management
 - (5) Inspection personnel (including duties, qualifications etc.)
 - (6) Companies who perform testing on behalf of IIA
 - (7) Sub-contracted companies used to perform verification testing
 - (8) Any additional changes pertaining to information submitted to gain approval as an IIA
 - (9) Adding any new manufacturing client under contract or terminating a contractual relationship with a manufacturing client who manufactures DOT specification, DOT approved UN/ISO, and/or Special Permit cylinders, and/or rebuilds these cylinder types. The notification must include the name and contact information of the manufacturer, the approved specification produced or to be produced, and the names of the certifying and supervising inspectors assigned to each manufacturer by the approval holder.
- (g) The approval holder must ensure that all personnel who perform tests, inspections, verifications, and certifications of DOT specification, DOT-approved UN/ISO, and Special Permit cylinders, and who perform inspections of cylinder re-qualification, repair, and/or rebuild facilities, have received appropriate training, in accordance with 49 C.F.R. § 172.700-704, and are fully qualified, with the appropriate education and/or experience level in accordance with PHMSA's IIA evaluation criteria to perform the audits related to that function. All IIA employee training documentation/ records must be retained in accordance with 49 C.F.R. § 172.704. This documentation must be made available to PHMSA upon request.
- (h) Independent Inspection Agencies, authorized under § 107.803, are not authorized to act as a designated agent for U.S. Service for a client for which they currently act as the IIA, and may not apply for approval on behalf of an applicant for whom they provide IIA services. The applicant requesting the approval, or their designated agent for U.S. Service, under

the provisions of 49 C.F.R. § 105.40, must submit the application for approval.

- (i) This approval is non-transferrable, and therefore, any change of majority ownership resulting in a new entity voids the Competent Authority (C

recommendation for approval or denial. These documents must be submitted on company letterhead and must reflect the findings of the onsite IIA inspection, which includes any discrepancies noted, the applicable CFR or DOT-Special Permit references, and/or any corrective actions taken onsite during the time of the inspection or received prior to the required submittal

Materials Regulations (HMR), may result in the modification, suspension, or termination of your authority to use this approval. Failure to comply may also subject you to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended, or terminated because of a change in circumstances or because the application contained inaccurate or incomplete information. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, the approval holder will be notified and provided with an opportunity to show why the proposed action should not be taken.

- (b) Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.
- (c) If the application for renewal of this document is submitted at least 60 days prior to the posted expiration date, is complete, and conforms to the general requirements of 49 C.F.R. §§ 107.705 and §§ 107.803, the approval will not expire until final administrative action on the application for renewal has been completed. Notwithstanding the requirements of 107.705(c), the submittal of a complete application, as stated above, will be considered as meeting the requirement for written notice of extension under this section.
- (d) **This approval, as revised, supersedes all previous versions.**

Issued in Washington D.C.

Dated: August 16, 2023



for William Schoonover

Associate Administrator for Hazardous Materials Safety

(Attached: Addendum A)

ADDENDUM A:

Following an inspection for approval of a cylinder requalification, or repair and rebuild facility, the Independent Inspection Agency (IIA) that performs the inspection, shall provide the applicant, and PHMSA in accordance with the provisions of section 6 above, with a recommendation for approval or denial of the facility, and a copy of the IIA inspection report which shall include at a minimum, the following information:

1. Type of inspection: new or renewal, and if a renewal, provide the DOT registration identification number (RIN) and a copy of the facility registration approval letter.
 - (a) For renewal inspections, the IIA must document on the IIA inspection report that the RIN applicant's requalification test records were reviewed for the last approval period of the RIN applicant and must specify the date span of the records reviewed. (i.e., Month/Year through Month/Year).
2. Company name, address, and phone number.
3. Company officer, owner, or another responsible person.
4. Names of all qualified cylinder test operators.
5. DOT specification and special permit cylinders being requalified, repaired and/or rebuilt.
6. Types of cylinder test methods and equipment being used (e.g., make, model, serial numbers of testing apparatus, gauges, and calibrated cylinders).
7. As applicable, the cylinder requalification, repair, and rebuild facility must have available the following:
 - (a) A current copy of Title 49, Code of Federal Regulations (49 C.F.R.), or current applicable sections of 49 C.F.R. related to the facility operation, or access to the online version of the current C.F.R.

- (b) Current copies of cylinder special permits listed by the requalifier as currently being requalified or demonstrated access to the online version.
- (c) Copies of Compressed Gas Association (CGA) pamphlets and/or the information contained in each applicable CGA, or ASTM standard incorporated by reference in 49 C.F.R. § 171.7 applicable to the requalifier's activities.
- (d) The minimum tools and parts required for performing cylinder requalification in accordance with the applicable requirements of 49 C.F.R. and the applicable CGA pamphlets (including mirrors, inspection light(s), methods of marking cylinders, stamps, etc.); additionally, tools required for performance of acetylene cylinder requalification (if applicable) in accordance with CGA C-13 (including clearance gauges, tools for removal, and installation of felts and screens, lights, mirrors, etc.).
- (e) Written examination procedures applicable to the test equipment it uses to perform eddy current examinations in accordance with 49 C.F.R. Part 180, Appendix C (if performing eddy current examinations).
- (f) If the facility is performing **acoustic emission or ultrasonic testing**:
 - (1) A current copy of the DOT applicable special permit(s) authorizing acoustic emission or ultrasonic testing.
 - (2) Cylinder calibration sections with certificates of calibration for each section, specific to the cylinder diameters for which the ultrasonic test system is designed.
 - (3) A copy of each acoustic emission or ultrasonic tester's nondestructive testing (NDT) certificate for the level required in the specific special permit.
- (g) If the facility is performing **repair/rebuild** of cylinders:

This document provides guidance for IIAs on the criteria PHMSA considers in evaluating the provisions of their approvals requiring appropriate technical capabilities, education, and experience.

GUIDANCE DOCUMENT FOR THE TECHNICAL REVIEW OF APPLICATIONS FOR INDEPENDENT THIRD PARTY INSPECTION AGENCIES

IIA Evaluation Criteria

The information in this document can aid PHMSA in the development of Evaluation Criteria for IIA Approvals. This checklist provides guidance to Technical Officers when processing Applicants requesting to certify:

- Manufacture of DOT specification packagings
- Requalification facilities using hydrostatic testing methods
- Requalification facilities using non-destructive evaluation
- Repair and rebuild facilities

Applicants Requesting Approval to Certify Manufacture of DOT-approved Specification Packagings

For Applicants requesting approval to certify the manufacture of DOT-approved specification packaging, the Technical Officer reviews the application to confirm it includes:

Certification of demonstrated knowledge of all regulations and specifications relevant to the type of manufacturing inspection for which the IIA is applying. For example, Applicants applying for certification of DOT Seamless Steel Cylinders must have knowledge of 49 C.F.R. Part 178 and all referenced standards related to the cylinder design, manufacturing, and testing (e.g., CGA pamphlet, ASTM, ISO).

Standard Operating Procedures (SOPs) and inspection checklists covering each aspect of manufacturing, testing, quality control, and reporting which clarifies witness points vs. verification points during the manufacturing process.

Personnel Training Program: Documentation of the training that employees (inspectors) of the IIA must receive. The program must meet the requirements of 49 C.F.R. §172.700 and

outline personnel training requirements and maintenance of professional education and certification requirements for all inspectors employed by the IIA.

Applicants Requesting Approval to Certify Requalification Facilities Using Hydrostatic Testing Methods

For Applicants requesting approval to certify requalification facilities using hydrostatic testing methods, the Technical Officer reviews the application to confirm it includes:

Certification of demonstrated knowledge of all regulations pertaining to retesting and inspection of DOT-authorized cylinders that are being requalified under the provisions of 49 C.F.R. Part 180.

Certification of demonstrated knowledge of DOT regulations and the ability to follow training and qualification requirements, personnel qualification requirements for requalification facilities that perform periodic inspection and testing in accordance with 49 C.F.R. Part 180 or under permits using ultrasonic examination (UE) or combined acoustic emission and ultrasonic examination (AE/UE).

Documentation of personnel qualifications and certificates - The IIAs requesting approval to certify cylinder requalification facilities using non-destructive examination (NDE) methods must meet the following requirements:

A certified ASNT Level III in relevant NDE method (e.g., Ultrasonic Testing); **or**,

A certified Professional Engineer (PE) with a minimum of 2 years documented experience in Non-Destructive Evaluation (NDE) of pressure vessels or pipelines using the relevant NDE method such as ultrasonic examination technique; **or**,

A PhD degree in a discipline of Engineering/Physics with documented experience in NDE of pressure vessels or pipelines using the NDE technique or research/thesis work and authoring/co-authoring of technical papers published, in recognized technical journals, in the fields of ultrasonic testing methods; **or**,

- Equivalent work experience.

Standard Operating Procedures (SOPs) and inspection checklists covering each aspect of requalification methods such as visual inspection, evaluation method for review of NDE calibration- cylinder and the relevant simulated defects, NDE system calibration and testing confirmation (e.g., UE), quality control, and reporting which clarifies witness points vs. verification points during the NDE requalification process. The SOP for NDE requalification methods must be developed based on a relevant standard that is referenced in 49 C.F.R. (e.g., ISO 6406) or the special permits (e.g., DOT-SP 10922, DOT-SP 14206).

Personnel Training Program: NDE personnel training and examination - Personnel training 81.42 Tm0 g0 G

