



Work Instructions

DIRECTIVE NO.: 540-WI-8072.1.4

EFFECTIVE DATE: 02/22/2000

EXPIRATION DATE: N/A

APPROVED BY Signature: original signed by

NAME: Stanley Y. Chan

TITLE: RECERT Manager

Responsible Office: Code 540/RECERT

Title: Recertification of Ground-Based Pressure Vessels and Pressurized Systems (PV/S)

P1. PURPOSE

This Work Instruction describes the step-by-step process for the Recertification of Ground-Based Pressure Vessels and Pressurized Systems by the RECERT Manager.

P2. SCOPE

This Work Instruction is applicable to PV/S Recertification activities at Greenbelt, MD and at the Wallops Flight Facility, VA.

P3. DEFINITIONS

Definitions contained within GMI 1710.4 are applicable hereto.

P4. RECORDS, REPORTS AND FORMS

The following records shall be maintained by the RECERT Manager in the RECERT Master Files in accordance with GPG 1440.7 for the duration delineated for each item.

P4.1 PV/S Certification and Recertification Records as defined in GMI 1710.4. (Duration: life of the equipment).

P5. SAFETY PRECAUTIONS AND WARNING NOTES

Safety, caution and warning notes unique to PV/S recertification shall be included in applicable recertification procedures.

P6. REFERENCES

6.1 GMI 1710.4, Certification and Recertification of Ground-Based Pressure Vessels and Pressurized Systems.

6.2 540-PG-8072.1.1, Certification and Recertification of Lifting Devices and Equipment and Ground-Based Pressure Vessels and Pressurized Systems (Recertification Program).

6.3 540-WI-8072.1.3, Certification of New or Modified Ground-Based Pressure Vessels and Pressurized Systems (PV/S).

P7. TOOLS, EQUIPMENT, AND MATERIALS

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

Applicable PV/S recertification procedures shall include any special tools, equipment, or materials necessary for recertification of PV/S.

P8. CANCELLATION

None

P9. INSTRUCTIONS

ACTION*

- (E) A. Prior to the first Recertification interval, develop a System-specific System ISI Procedure (SISIP) based upon the approved RECERT System Certification Plan (RSCP) to include at least the following.
 - 1. System boundary definition.
 - 2. ISI methods and intervals for System components. This may be generic; that is, "all relief valves = CRVT every two years."
 - 3. Delineation of applicable NDT procedures defined in Step A.2, including acceptance criteria.

- (E) B. Obtain RECERT Manager's approval of proposed SISIP.

- (E) C. For subsequent System ISI, review existing SISIP for continued applicability. (If the configuration has changed, or if the System has been modified, follow 540-WI-8072.1.3, Certification of New or Modified Ground-Based Pressure Vessels and Pressurized Systems.

- (I) D. Perform System/Component ISI.
 - 1. If acceptable, proceed to STEP E.
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager

- (I) E. Apply Recertification Tag(s) containing at least the following information, and release for service or return to Owner/User.
 - 1. System/Component ID.
 - 2. Date tested or inspected.
 - 3. Due date for next Recertification expressed as the last day of the calendar quarter and year (e.g., 3Q/00 = due by September 30, 2000)

- (E) F. Transmit Recertification letter with RECERT Manager's approval to Owner/User and file Recertification Test Reports in RECERT Master Files.

- (CM) G. Update CM System to reflect System/Component Recertification.

(I) H. Perform subsequent Recertification in accordance with CM schedule.

* LEGEND: (E) – Engineering; (I) – Inspection; (CM) – Configuration Management

P10. FLOW DIAGRAM

None

