



Work Instructions

DIRECTIVE NO.: 540-WI-8072.1.2

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 Lifting Devices (LD) and Equipment (LE)

P1. PURPOSE

This Procedure describes the step-by-step process for the Recertification of Lifting Devices and Equipment (LDE) by the RECERT Manager.

P2. SCOPE

This Procedure is applicable to LDE recertification activities at Greenbelt, MD and at the Wallops Flight Facility, VA.

P3. DEFINITIONS

Definitions contained within GMI 1710.6 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 LDE Certification and Recertification Records as defined in GMI 1710.6. (Duration: life of the equipment).

P5. SAFETY PRECAUTIONS AND WARNING NOTES

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

P6. REFERENCES

6.1 GMI 1710.6, Certification and Recertification of Lifting Devices and Equipment and Critical Lift Requirements.

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-8072.1.1, Certification of New or Modified Lifting Devices (LD) and Equipment (LE)

P7. TOOLS, EQUIPMENT, AND MATERIALS

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

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

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

P8. CANCELLATION

None

P9. INSTRUCTIONS

The following STEPS are sequential unless noted otherwise.

ACTION*

- (E) A. For the first LD or structural LE Recertification, develop a LD- or LE-specific Recertification Procedure to include at least the following. For simple, nonstructural LE (shackles, rings, etc.) a generic Recertification Procedure must be developed. This generic Procedure must include at least items 2, 3, and 4 below. A table of values may be provided to comply with item 3.
 - 1. Identification of critical welds.
 - 2. Type and extent of pre-Rated Load Test inspections and critical weld NDT, including acceptance criteria.
 - 3. Step-by-step procedure for Rated Load Test, including the applied test load. Note: This procedure may be generic for multiple types of LE.
 - 4. Type and extent of post-Rated Load Test inspections and critical weld NDT, including acceptance criteria.

- (E) B. For subsequent LD or structural LE Recertifications, review existing LD- or LE-specific Recertification Procedure for continued applicability. (If the configuration has changed, or if the LD or LE has been structurally modified, follow 540-WI-8072.1.1, Certification of New or Modified Lifting Devices (LD) and Equipment (LE)).

- (E) C. Obtain RECERT Manager's approval of Recertification Procedure.

- (I) D. Perform pre-Rated Load Test inspection and NDT.
 - 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. Perform Rated Load Test.
 - 1. If acceptable, proceed to STEP F.
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager

- (I) F. Perform post-Rated Load Test inspection and NDT.
 - 1. If acceptable, proceed to STEP G.
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager

- (I) G. Apply Recertification Tag(s), and release for service or return to Owner/User.

- (E) H. Obtain RECERT Manager approval of Recertification and file Procedure and Recertification Documentation in RECERT Master Files.

- (CM) J. Update CM System to reflect Recertified LD or LE, as applicable.

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

P10. FLOW DIAGRAM

None

