



Work Instruction

DIRECTIVE NO. 540-WI-8719.1.2-

EFFECTIVE DATE: 02/03/2005

EXPIRATION DATE: 02/03/2010

APPROVED BY Signature: Original signed by

NAME: Stanley Y. Chan

TITLE: RECERT Manager

COMPLIANCE IS MANDATORY

Responsible Office: 540/RECERT

Title: Recertification of Lifting Devices (LD) and Lifting Equipment (LE)

PREFACE

P.1 PURPOSE

This Work Instruction describes the step-by-step process to be used by the Recertification Program (RECERT) Support Function personnel for the Recertification of Lifting Devices and Equipment (LDE) that include Lifting Devices (LD) and Lifting Equipment (LE).

P.2 APPLICABILITY

This Work Instruction is applicable to LDE certification activities at Greenbelt, MD. and at the Wallops Flight Facility, VA.

P.3 REFERENCES

P3.1 GPR 8719.1, Certification and Recertification of Lifting Devices and Equipment.

P.4 CANCELLATION

540-WI-8072.1.2A, Recertification Lifting Devices (LD) and Lifting Equipment (LE).

P.5 TOOLS, EQUIPMENT, AND MATERIALS

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

P.6 SAFETY PRECAUTIONS AND WARNINGS

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

P.7 TRAINING

None

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P.8 RECORDS

Record Title	Record Custodian	Retention
Test & Inspection Reports for LDE	RECERT Manager for Greenbelt, Deputy RECERT Manager at WFF	PERMANENT – pending approval of record schedule.

P.9 METRICS

None

P.10 DEFINITIONS

None

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INSTRUCTIONS

In this document, a requirement is identified by “shall,” a good practice by “should,” permission by “may” or “can,” expectation by “will,” and descriptive material by “is.”

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 include at least items 2, 3, and 4 below. A table of values may be provided to comply with item 3.
 - 1. Identification of LE critical welds.
 - 2. Type and extent of NDT, including visual inspections, to be performed prior to Rated Load Test. Acceptance criteria must be provided.
 - 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 NDT, including acceptance criteria, to be performed subsequent to Rated Load Test.

- (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-8719.1.1, Certification of New or Modified Lifting Devices (LD) and Lifting Equipment (LE)).

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

- (I) D. Perform pre-Rated Load Test NDT.
 - 1. If acceptable, proceed to STEP E.
 - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.

- (I) E. Perform Rated Load Test.
 - 1. If acceptable, proceed to STEP F.
 - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.

- (I) F. Perform post-Rated Load Test NDT.
 - 1. If acceptable, proceed to STEP G.
 - 2. If unacceptable, the item is rejected. Proceed as directed by the RECERT Manager.

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- (I) G. Apply applicable Recertification Tag(s) (see attachments), and release for service or return to Owner/User.
- (E) H. Obtain RECERT Manager approval of Certification and file Procedure and Recertification Documentation in RECERT Master Files.
- (CSV) I. Update CSV System to include Certified LD and/or LE as applicable.

* LEGEND: (E) – Engineering; (I) – Inspection; (CSV) – Certification Status Verification

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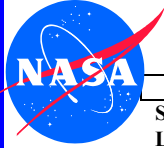
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RECERT LDE Tags

Note: Typical GSFC Greenbelt tags are shown. WFF tags are similar but include WFF-specific designation and contact information.

 GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM	
<u>CERTIFIED</u>	
LDE/EQUIP. ID. NO. _____	
<input type="checkbox"/>	CRITICAL
<input type="checkbox"/>	NONCRITICAL
SWL # _____	
INSP'R _____	
INSP DATE _____	
DUE DATE _____	
RECERT SUPPORT:	
<i>(301) 286-5181</i>	

	GODDARD SPACE FLIGHT CENTER RECERTIFICATION PROGRAM	
	CERTIFIED	
<input type="checkbox"/>	CRITICAL	<input type="checkbox"/> NONCRITICAL
SWL# _____	LDE ID NO: _____	
LOAD TEST WEIGHT: _____		
INSPR: _____	TEST DATE: _____	
INSPECTION DUE DATE: _____		
RECERT SUPPORT: (301) 286-5181		

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CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	02/03/2005	Initial Release

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