

.....

Plum Brook Station  
Work Instruction No.

GRC-W7030.035

Revision

D

## Plum Brook Station Work Instruction

# Activation of Interlocks

*APPROVED*

*Approved by Plum Brook Management Office/7030:*

NASA - Glenn Research Center  
Cleveland, OH 44135

Printed copies are uncontrolled and are not to be used for operational purposes.

Page 1 of 4

<b>Glenn Research Center Plum Brook Station Work Instruction</b>	<b>Title:</b> Activation of Interlocks	
	<b>Document No.:</b> GRC-W7030.035	<b>Rev.:</b> D

**Procedure Owner:** Plum Brook Management Office

**Point of Contact:** Mark Woike (419-621-3379)/Dave Chandler (419-621-3210)

### Change Record

Rev.	Effective Date	Description
Initial	2/2/99	Initial Release
Initial Release 1	7/12/99	CR 1999-50, multiple formatting & editorial changes
A	7/21/00	CR 2000-50, in section 6.6 change statement "Complete all documentation and forward to work order originator" to "Complete documentation as required by the work order and forward to the work order originator"; modify section 7.0 block 6.6 accordingly.
B	8/11/00	CR 2000-54, in Section 2.1, change the document number for the Glenn Research Center (GRC) safety Manual from "LeR-M0530.001" to LeR-P0530.001"
B1	10/27/00	CR 2000-115 Update Approving Authority to match current listing.
C	10/25/01	CR 2001-59, replace "GRC-P7030.043 Control of Nonconformance" with "GRC-P4.4 Control of Nonconforming Product" in sections 2.0, 6.4.1, and 7.0.
D	5/13/03	CR 2003-24, Removed deleted procedures and modified document number in Section 2.0; removed deleted procedures from Section 7.0.

**Printed copies are uncontrolled and are not to be used for operational purposes.**

<b>Glenn Research Center Plum Brook Station Work Instruction</b>	<b>Title:</b> Activation of Interlocks	
	<b>Document No.:</b> GRC-W7030.035	<b>Rev.:</b> D

## 1.0 PURPOSE

The purpose of this Work Instruction is to provide instruction for the activation of interlocks on electrical and instrumentation systems.

## 2.0 REFERENCES

Document Number	Document Title
Internal	Manufacturers manual for test equipment.
Internal	Applicable manual for the electrical equipment.
LeR-M0530.001	Glenn Safety Manual
GRC-P4.4	Control of Nonconforming Product
GRC-P7030.024	Lockout/Tagout

## 3.0 SAFETY PRECAUTIONS

Verify with operation personnel that the performance of this work will not cause any safety hazards. Follow any safety precautions outlined in the applicable manufacturers' manual.

## 4.0 TOOLS, EQUIPMENT AND MATERIALS

Required tools as outlined in the manufacturers' manual or the work order.

## 5.0 PERSONNEL TRAINING AND/OR CERTIFICATION

Journey level electricians.

## 6.0 INSTRUCTIONS

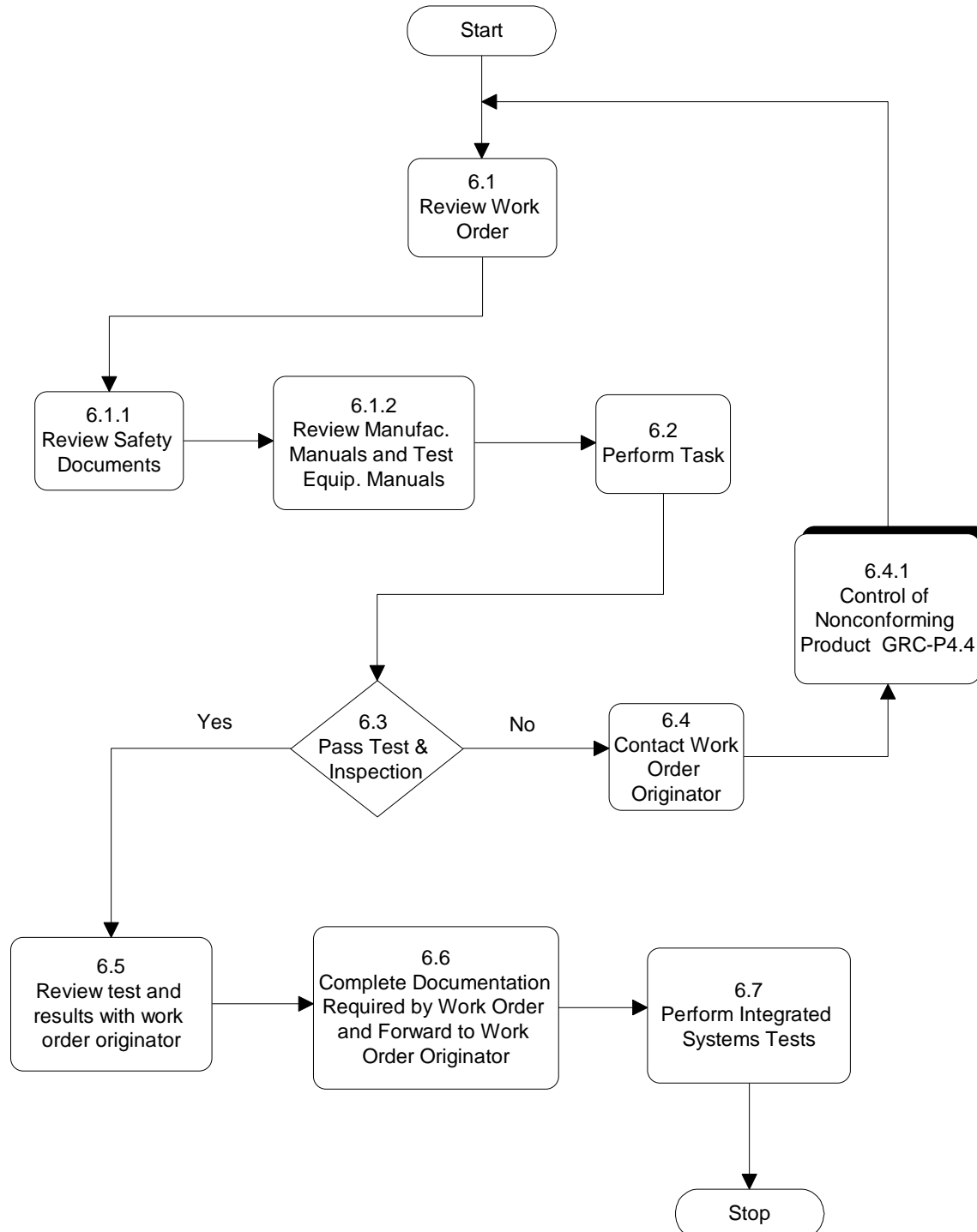
- 6.1 Review the work order and specific work instructions provided by the originator.
  - 6.1.1 Review safety documents.
  - 6.1.2 Review any applicable manufacturers' manual and test equipment manual.
- 6.2 Perform the task as outlined in the work order and any attached specific instructions.
- 6.3 Determine whether the interlock works according to operational requirements. If they do, proceed to step 6.5. If they do not, proceed with step 6.4.
- 6.4 If equipment fails test and inspection contact work order originator.
  - 6.4.1 Proceed with "Control of Nonconforming Product" Procedure GRC-P4.4.
- 6.5 Review installation and test results with work order originator.

**Printed copies are uncontrolled and are not to be used for operational purposes.**

<b>Glenn Research Center Plum Brook Station Work Instruction</b>	<b>Title:</b> Activation of Interlocks	
	<b>Document No.:</b> GRC-W7030.035	<b>Rev.:</b> D

- 6.6 Complete documentation as required by the work order and forward to the work order originator.
- 6.7 Proceed with Integrated Systems Tests.

## 7.0 FLOW DIAGRAMS



**Printed copies are uncontrolled and are not to be used for operational purposes.**