



Department of the Air Force
HQ AEDC (AFMC)
Arnold AFB, TN 37389

Safety, Health, and Environmental Standard

Title: LIMITED ACCESS TO CRITICAL CONTROL SYSTEMS
Standard No.: C7
Effective Date: 11/14/2011

The provisions and requirements of this standard are mandatory for use by all personnel engaged in work tasks necessary to fulfill the AEDC mission. Please contact your safety, industrial health and/or environmental representative for clarification or questions regarding this standard.

Approved:

Contractor/ATA Director
Safety and Health Group

Air Force Functional Chief



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LIMITED ACCESS TO CRITICAL CONTROL SYSTEMS

1.0 INTRODUCTION/SCOPE/APPLICABILITY

Critical control systems are an essential part of every test cell control room and shall be identified using this standard.

2.0 BASIC HAZARDS/HUMAN FACTORS

This standard establishes requirements for the development and maintenance of operating procedures that restrict access to critical control systems to personnel having an approved need.

3.0 DEFINITIONS

See table in Section 4.1 below.

4.0 REQUIREMENTS/RESPONSIBILITIES

4.1 Area Identification

- 4.1.1 Identify locations having critical control components that influence test parameters and where intrusion would pose the following risks: 1) compromise of personnel safety, 2) damage to test article, 3) damage to test equipment, and 4) damage to plant equipment.
- 4.1.2. Areas identified above are designated "Limited Access Areas." Appropriate signs are posted at entry points to these areas in accordance with the annex to this standard, as follows:

LIMITED ACCESS AREAS¹

Location	Affected Areas	Selection (see Annex)	Location
Test Unit Control Rooms	Areas behind control consoles and areas containing patch-boards, junction boxes, breaker panels, and other critical control components.	Sign A required Sign C optional	On doors or in passage-ways leading to affected areas or on barriers or enclosures.
Other Control Rooms (Plant, etc.)	As above	Sign B required Sign C required	As Above
Remote Areas	Patchboard, junction boxes, power sources, and other critical control components.	Sign B required Sign C required	On panels, boards, boxes, etc.

¹Selections and locations must be kept current as control systems are modified.

4.2 Inspections

Control rooms will be inspected by the area supervisor on a semi-annual basis for compliance to the standard.

4.3 Procedures

- 4.3.1 Permission for entry is granted only after the responsible individual in charge has ensured that risks (4.1.1) posed by the intrusion activity are adequately safeguarded. Certain individuals have specific sequential responsibilities in granting permission for entry into Limited Access Areas depending on the test unit status – operating or non-operating mode (see below).

REQUIRED ACTIONS FOR ENTRY APPROVAL INTO LIMITED ACCESS AREAS

Test Unit Status	Affected Area	Responsible Individual	Required Action (In Sequence)
Operating Mode	Test Unit Control Room	Test Engineer or Test Coordinator	<ol style="list-style-type: none"> 1. Give permission for entry when assured of adequate safeguards. 2. Enter agreements and action in Test Operations Log.
Operating Mode	Other Control Rooms and Remote Areas	Area or Shift Supervisor (Test Operations, Plant, or Instrumentation)	<ol style="list-style-type: none"> 1. Determine test unit mode. 2. Seek and obtain permission from Test Engineer or Test Coordinator. 3. Enter agreements and actions in appropriate Operations Log.
Non-operating Mode	All Areas	Area of Shift Supervisor (Test Operations, Plant, or Instrumentation)	<ol style="list-style-type: none"> 1. Determine test unit mode. 2. Follow normal work procedures.

4.3.2 The area supervisor takes action as follows:

4.3.2.1 Identify critical control systems and their access points.

4.3.2.2 Obtain appropriate signs (Annex) and display them at critical control system access points identified in accordance with Paragraph 4.4.2.1.

5.0 REFERENCES

AEDC Safety, Health, and Environmental Standards:

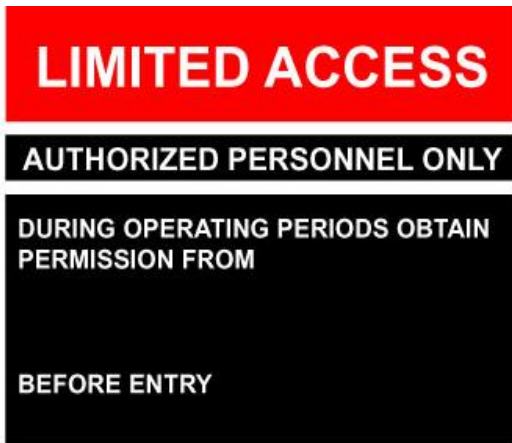
B1, Master Work Permit

B3, Control of Hazardous Areas Using Safety Signs, Tags, and Barricades

6.0 ANNEX

Annex, Appropriate Signs

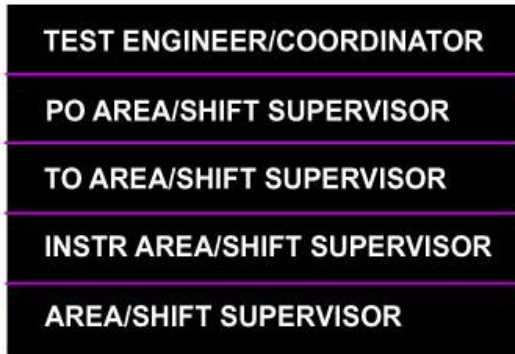
Annex
Appropriate Signs



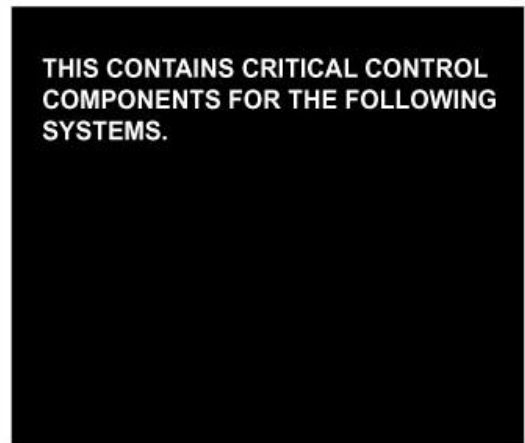
SIGN A: FOR TEST UNIT CONTROL ROOMS



SIGN B: FOR OTHER CONTROL ROOMS AND REMOTE AREAS



**TABS FOR SIGNS A OR B
(Use most appropriate)**



SIGN C: FOR REMOTE AND SOME CONTROL ROOMS (Other)

Notes:

1. Sign A, B & C and tabs for A & B are available from contractor safety in sizes as follows: 6" x 7" and 3" x 3-1/2" (as shown).
2. Sign C tabs are supplied by each contractor. (Tabs must be compatible with signs.)