

***If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A***

**C-A OPERATIONS PROCEDURES MANUAL**

**ATTACHMENT**

9.1.11.b Types of Access-Control Systems and their Characteristics

C-A-OPM Procedures in which this Attachment is used.		
9.1.11		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: \_\_\_\_\_ ***Signature on File*** \_\_\_\_\_  
 Collider-Accelerator Department Chairman Date

J.W. Glenn

**9.1.11.b TYPES OF ACCESS-CONTROL SYSTEMS AND THEIR CHARACTERISTICS**

TYPE ( <i>a</i> )	HARDWIRE AND / OR MECHANICAL SYSTEM	ACTIVE DEVICE OR ADMINISTRATIVE SYSTEM	FAIL-SAFE	DUAL
HFD	X		X	X
HF	X		X	
AFD		X	X	X
HD	X			X
AF		X	X	
H	X			
AD		X		X
A		X		

(*a*): Level of security system is arranged from highest to lowest.

Key: HFD Hardwire, Failsafe, Dual  
 HF Hardwire, Failsafe  
 AFD Active, Failsafe, Dual  
 HD Hardwire, Dual  
 AF Active, Failsafe  
 H Hardwire (or approved hardware such as a lock)  
 AD Active, Dual  
 A Active