

CALLAWAY ENERGY CENTER DE-METALIZING STANDARD

1.0 **PURPOSE**

Provides information related de-metalizing standard at Callaway Energy Center (CEC).

2.0 **SCOPE**

The addendum provides guidance on lanyard usage as it relates to Class E qualified individuals.

3.0 **LANYARD USAGE AT CEC**

- 3.1. Only metal free lanyards (does not have to be Fire Retardant (FR) rated) with attached security badge are acceptable to be worn by Class E qualified individuals at the CEC. If allowed by the respective department head, a second lanyard or plastic clip on the primary lanyard is allowed to be worn that contains metallic objects; however, this lanyard must be removed prior to performing work on energized electrical equipment >50 volts.
- 3.2. It is acceptable to have the Dosimeter of Legal Record (DLR) and Electronic Dosimeter (ED) on your metal free lanyard.

4.0 **GENERAL SAFE WORK PRACTICE FOR DE-METALIZING**

NOTE

When it is required to work on energized electrical equipment >50 volts at the CEC, the guidelines below will be adhered to.

- 4.1. When working on energized electrical equipment, the lanyard will be attached to the body in one of the following manners:
 - 4.1.1. The lanyard will be placed inside of the pocket of the outermost FR clothing OR tucked inside the outer most FR Clothing.
 - 4.1.2. If inside of the RCA, the individuals DLR and ED will be attached to the lanyard, and the lanyard will be tucked inside of the pocket of the outermost FR clothing OR tucked into the inside of the FR clothing.

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Step 4.1.2 Cont'd

- a. If PCs have to be worn, then the ED would be taken off of the lanyard and be tucked into the pocket of the PCs. The lanyard would be tucked inside of the PCs with the DLR.

4.1.3. The following items will be removed from the body:

- a. Knives
- b. Ink pens with externally exposed metal
- c. Leatherman Type Tool
- d. Keys
- e. Change
- f. Necklaces and other similar jewelry items
- g. Watches
- h. Rings unless they can't be removed and then they must be wrapped with electrical insulating tape
- i. Exposed metal piercings
- j. Cell Phones

4.1.4. The following incidental metals, that may be on the person who is required to de-metalize, are exempted from this standard:

- a. Zippers on the FR clothing that is being worn
- b. Metal buttons on FR clothing that is being worn o Underwire that may be present in a brassiere o Metal shanks or safety toes in approved work boots
- c. Eyelets and hooks on safety shoes that are being worn
- d. Non-conductive medic alert jewelry
- e. Metal frame glasses are acceptable to be worn as long as they are properly restrained to the head by a crokie type head restraint

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Step 4.1.4 Cont'd

- f. Small amount of unexposed metal that is in the belt; exposed metal on a belt is not allowed
- g. Any sub-dermal surgically implanted metals (plates, replacement joints, etc.)
- h. Any dental work that has metal in it (dentures, fillings, crowns, etc.)
- i. Insulated tools
- j. Headsets when being used as part of the evolution
- k. Headlamps on your hardhat
- l. A full external plastic ink pen with just a metal point is acceptable (Bic Bu3 preferred)
- m. Wearing a belt with no exposed metal is acceptable

5.0 REFERENCES

5.1. Developmental

5.1.1. ESWM, Electrical Safe Work Practices Manual

5.1.2. SWPM, Safe Work Practices Manual

6.0 SUMMARY OF CHANGES

Pages	Section or Step Number	Description
	Throughout	Updated formatting to align with Callaway Standards