

# ORDER

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
WESTERN REGION

WE 6130.4

4/16/70

SUBJ: UNIFORM FDEP CONNECTOR LABELINGS

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1. PURPOSE. This order provides uniform marking of all FDEP connectors, and is of concern to Airway Facilities technicians maintaining FDEP equipment.
2. BACKGROUND. The various plugs on the cables of the FDEP equipment are similar in design, and could easily be cross connected. For example, in one instance "serpent" #1 and "serpent" #5 were cross connected, causing the +48 volt and the -12 volt power supplies to be connected in series. This placed 60 volts on the 12 volt performance monitoring lights, and the "TILT/ROTATE" drivers. Five printed circuit cards were damaged due to this action.
3. ACTION. Airway Facilities technicians will accomplish the following:
  - a. "Serpent" connectors #1 through #10 will be labeled using "dymo" labels with connector number and the remote end assignment. (Label the DCCU and the cable "serpent" connectors.)  
  
Examples: "Serpent 1 FSP 1 J-2"  
              "Serpent 6 ANK 1 J-1"
  - b. The ANK and FSP plugs will be painted:
    - (1) (ANK) J-1 green, J-2 yellow
    - (2) (FSP) J-1 red, J-2 blue
  - c. The test cable "serpent" connectors will be identified as follows:
    - (1) The cable connecting to J-1 will have the plug painted with a green and a red stripe.
    - (2) The "serpent" connector will be labeled with a dymo label "EVEN" indicating it is to be connected to the even numbered "serpent" connector.

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Distribution: RAF-3, MAF-2, ZAF-8, ZAF-9, ZAF-38

Initiated by: WE-480

- (3) The plug connecting to J-2 will be painted with a yellow and a blue stripe.
- (4) The "serpent" connector will be labeled with a dymo label "ODD" indicating it connects to the odd numbered "serpent" connector.

*WR Frehse*

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