The C-130 Electrical System (C-130E/MC-130P/HC-130P/N)
For Training Use Only

Battery Drain: can be on for 25 sec with large draw on Ess AC Bus
**Bus Uses**

**LH AC**
- Crew Comfort (Oven)
- NESA Windows
- #1 Boost Pump
- External Tank (L) Fuselage Boost Pump

**Main AC**
- Dump Pumps
- Radar
- 2 TRs
- #3 Boost Pump

**RH AC**
- Anti icing
- Fuselage (L) Boost Pump
- #4 Boost Pump

**Ess DC**
- Start
- Engine
- Air Craft Systems

**Main DC**
- Lights

**Iso DC**
- Talk

**Bat Bus**
- F
- A
- J
- I
- V
- S

**Fuel Boost Pump Electrical Power**

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**Engine Instrument Panel Power Supplies**

1. Torquemeters : Single Phase 115 V AC (AC Instr & fuel control)
2. Tachometers : Self generating from Tac Gen
3. TIT : Single Phase 115 V AC (AC Instr & fuel control)
5. Oil Temp : 28 V Essential DC
6. Oil Pressure : 26 V AC (Instrument transformers)
7. Oil Quantity : 28 V Essential DC
8. Oil Cooler : 28 V Essential DC

**Circuit Breakers**

**Little Rock Air Force Base Is Essential MR. SEAL**

- Left AC
- Right AC
- AC Instr & Fuel Contr
- Fuses
- Battery Bus
- Isolated DC
- Aircraft Systems
- Essential DC

**K-Relays:**

1. Gen # 1
2. Gen # 2
3. Gen # 3
4. Gen # 4
5. Power Distribution
6. and Management
7. 
8. 
9. External Power
10. ATM Gen