

UNS-1M Flight Management System Installation on Lear 35 Aircraft

● **Integrated Avionics Systems Installation Design**

- TCAS, TCAS II, IHAS.
- EGPWS.
- EFIS.
- AFIS.
- VHF, UHF, HF communication systems.
- IFR-approved GPS.
- Flight management and navigation management systems.
- Flight telephone systems (air-ground and satellite).
- CVR and FDR installations.
- Ice detection systems.
- Angle-of-attack sensors and indication systems.
- Pitot-static system modifications.
- Air data computers.

● **System Analysis and Test**

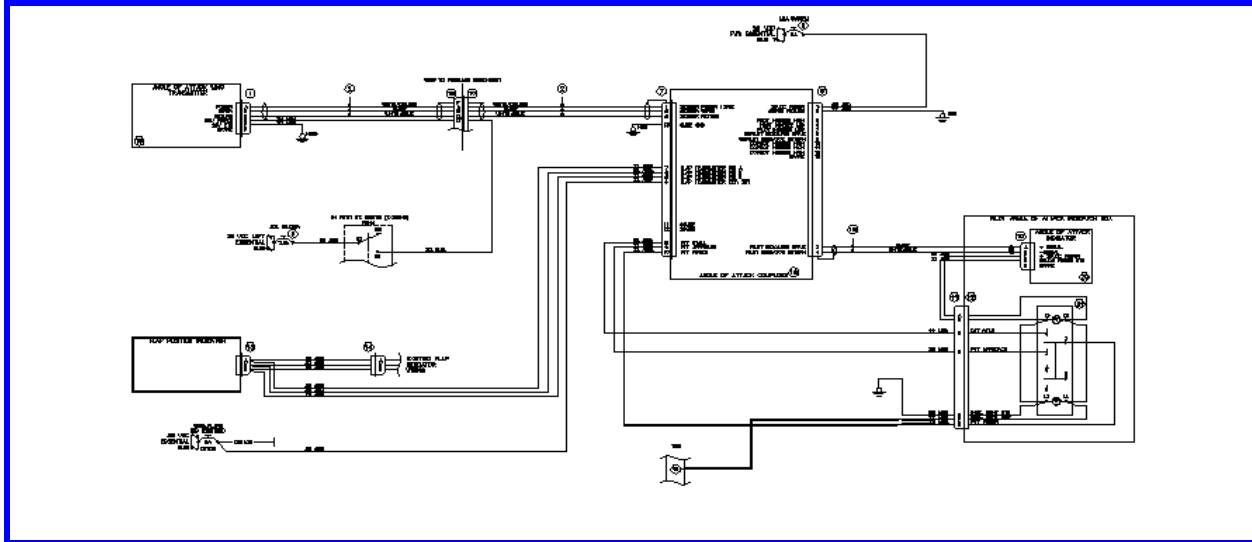
- Failure modes and effects.
- System hazard assessment.
- Function testing.
- EMI/EMC testing.



**Flight Telephone Installations on
Corporate Aircraft**

● **Electrical Systems**

- Generator upgrades.
- Electrical load amendments.
- Logo lights.
- Battery upgrades.
- Avionics inverter upgrades.



Typical Wiring Diagram

● **STC Familiarization (Imports and Exports)**

- Airworthiness review of installations completed under foreign jurisdictions.
- Liaison with foreign airworthiness authorities for export of design approvals.

● **Cabin Systems**

- Flight telephone system (air-ground and satellite) installations.
- Audio / video entertainment systems.
- Cabin 50 and 60 Hz inverter installations.
- Cabin flight information systems.
- Galley ovens.
- Cabin lighting.
- Emergency lighting.
- Lavatory smoke detectors.

● **Cargo Systems**

- Smoke detectors.
- Automatic fire suppression systems.
- Cargo compartment lighting.

● **Special Ops Aircraft**

- Airborne remote sensing systems.
- Geodetic and magnetic survey aircraft.
- Bird dog aircraft.
- Oil dispersant spraying system installations.
- Police helicopters.
- Cloud-seeding aircraft.
- Helicopter gas pipeline leak detection equipment.
- Air ambulance installations.

Amtech Calgary
763 McTavish Road N.E.
Calgary, Alberta T2E 7G8
Canada

www.amtech-group.com

Amtech Medicine Hat
678 Prospect Drive S.W.
Medicine Hat, Alberta T1A 4C1
Canada

Telephone: (403) 250-9488
Facsimile: (403) 250-2531
E-mail: amtech.calgary@amtech-group.com

Telephone: (403) 529-2350
Facsimile: (403) 526-7486
E-mail: amtech.general@amtech-group.com