

TPS: FUNDAMENTALS – UCN/HPM AND ADVANCE CABLE MAINTENANCE



COURSE OVERVIEW

Course Number: TPS-0015

Course Duration: 5 Days

Prerequisite Course (s):

- **TPS-0004 or**
- **TPS-0005 or**
- **TPS-0014**

This course is designed for personnel who already have a fully implemented TPS system and will only be responsible for maintaining the UCN/HPM. This course provides skills to identify UCN hardware, troubleshoot and resolve errors, perform preventive maintenance on the UCN, and use a TDR (Tektronix 1503C) and Relcom Carrier Band Tester.

COURSE DELIVERY OPTIONS

- Instructor-Led Training (ILT)

COURSE OBJECTIVES

- System architecture overview
- Power and Grounding overview
- HPM overview
- UCN node communication
- IOP overview
- Automatic controls overview
- Node memory & checkpoint
- Assemble, load & checkout a UCN network
- HLAI_STIM_LLMUX overview
- Electrical wiring
- Control points overview
- Permissive and interlocks
- Monitor UCN error rate
UCN_HPM troubleshooting
- Use a TDR (Tektronix 1503C) on the UCN
- Use the Relcom Carrier Band Tester