

Hands-On

TIRKS Circuit Design Fundamentals



Course Description

This in-depth course teaches the fundamentals of Special Services circuit design using TIRKS. Participants will acquire essential TIRKS manipulation skills and circuit design fundamentals via a series of Hands-On design exercises.

Students Will Learn

- Special Services design process overview
- Basic circuit design concepts
- TIRKS Circuit design process GOC, C1-Prep, NCI, NC, CLLI, CLEI, CLCI, and USOC codes
- 2-wire and 4-wire circuit designs
- Switched Special Services
- Signaling and Transmission range extension devices
- Circuit design using T-1 and Digital Loop Carrier
- Off premises PBX stations Class A, B, and C
- Tie Trunks E&M and DX signaling
- PBX to Central Office trunks
- DID trunks and DSS services
- Analog Data circuit design
- Exchange Access Services
- Function codes and equipment selection
- Post-Test / Performance Exercise

Target Audience

Persons with Special Services Circuit Design responsibilities. This course is intended primarily for persons with limited previous TIRKS design experience.

Prerequisites

Transmission and signaling fundamentals or equivalent work experience is required.

Delivery Method

Instructor-led with numerous "Hands-On" design exercises using TIRKS training databases to process example service orders.

Equipment Requirements

(This apply's to our hands-on courses only)

All mentioned Equipment for this training is Company specific and is provided by the Client for this training. A classroom with appropriate seating and writing surface. One TIRKS terminal per student is highly suggested.

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

5 Days