1633 SX OPERATIONS AND MAINTENANCE COURSE CONTENT

SYSTEM INTRODUCTION

- List three advantages of electronic cross--connects over mechanical cross--connects.
- List the three rack types.
- State the function of the Administrative Processing System (APS) rack.
- State the relationship between the user terminal and the control subsystem.
- State the function of each module in the Administrative Processing System shelf.
- State the purpose of the Commands and Messages Manual.
- Log in and out of the system.
- Use terminal to retrieve information about modules in the Administrative
- Processing System shelf.
- Discuss and make a database backup

TRAFFIC MANAGEMENT

- State the function of each module in the input/output shelf.
- List the three major facility primary service states.
- List the six major facility secondary service states.
- Provision DS3, STS1, OC3, STS3C, OC12, and STS12C ports.
- Describe the traffic flow through the system.
- Make both one--way and two—way connections.
- Make a broadcast connection.
- State the function of each module in the center stage shelf.

CROSS-CONNECT OPERATIONS

- Use rolling commands to roll a circuit.
- Provision test ports.
- Use test ports to monitor, then split a circuit.
- Use BNC monitoring to monitor a circuit.
- Perform near and far end loopbacks on a port.
- Enable, retrieve and initialize performance monitoring on a port

EQUIPMENT MAINTENANCE

- List four equipment primary service states.
- List seven equipment secondary service states.
- Change service states using remove and restore commands.
- Perform protection switching on traffic modules.
- Perform protection switching on duplex modules.
- Use diagnostic commands to locate system faults.
- Configure synchronization references.

OVER PLEASE

SYSTEM MAINTENANCE

- Isolate a problem to a local or remote NE
- Isolate an NE problem to a plug-in or facility
- Isolate, test and replace defective plug-in
- Setup, test, and remove loopbacks on different facilities
- Software loading
- Backups and System Restore

CONTACT INFORMATION

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