



Next Generation Synchronous Digital Hierarchy Course Overview

NGSDH networks are the back bone of major telecommunication trans-oceanic systems, providing data transfer to other countries. This course provides current theoretical and practical “hands-on” training on the fundamentals of this technology. This provides the candidate with advanced skills in the installation, commissioning and testing of this complex technology. These skills are in high demand with major players around the world.

You will:

- Apply the appropriate Health and Safety regulations to undertake safe working practice with SDH and related equipment.
- Describe and examine the SDH Transport Network System.
- Explain SDH Technology Principles and Multiplexing Structures.
- Identify and describe the associated Hardware, Software, Data Protection and Network Management systems.
- Describe the benefits of the Next Generation functionality (GFP, LCAS, VCAT)
- Design and Plan the installation of SDH equipment.
- Install, Prepare, Terminate and Test Fibre Optic and Copper Cables.
- Install, Commission and Diagnose Faults on SDH Equipment

Duration: 1 week