

# ANSI-41 Home Location Register advanced

HPE CMS Education Center



## Course overview

- Delivery: Instructor-led
- Date: On request
- Length: Three days
- Location: HPE premises (preferred) or your location
- Level: Expert
- Delivery language: English

## Course description

The ANSI-41 Home Location Register (HLR) serves as the main database of permanent subscriber information in the mobile network. This course provides you or your employees with an understanding of ANSI-41 HLR network functional entities and features requirements, including the Authentication Center (AC).

## Audience

The training is designed for:

- Network operations personnel
- Select switch technicians
- System administrators
- Software developers and installers
- Support analysts
- Customer care personnel

## Learning objectives

After successfully completing this course, you should be able to:

- Identify the subsystems of the HLR application

### Training agenda

#### Day 1

- HLR overview
- Reference materials
- Configuration options
- TCAP messages and parameters
- Advanced HLR topics

#### Day 2

- WIN services
- Advanced authentication features

#### Day 3

- Versatile data management subsystem
- Operations and utility programs

### Course materials and methodology

Lectures are interspersed with hands-on exercises, with about one-third of the course dedicated to practical sessions focused on platform operations.

- Use your documentation to research questions about HLR
- Discuss communication protocols employed by HLR
- Configure network entity point codes, SSNs, and Global Title addresses in the HLR database
- List various forms of the subscriber profile
- Configure any HLR feature by following the appropriate Feature Implementation Guide
- Describe HLR's role in the Wireless Intelligent Network (WIN)
- Configure HLR for WIN Prepay and other WIN services
- Set up AC for event logging
- Safeguard subscriber authentication data using the Security Monitor subsystem
- Set up HLR to support Over-the-Air Parameter Administration
- Use the Versatile Data Management screens to configure features
- Operate utility programs

## Overview

### Mandatory course prerequisites

- Good knowledge of English—if necessary, translation services can be hired for an additional fee.
- Hardware and operating system overview
- Intelligent Network Server (INS) fundamentals
- ANSI-41 HLR fundamentals

### Course location

This course is delivered at a Hewlett Packard Enterprise (HPE) site with HPE-supplied facilities and equipment. It may be delivered on demand at your premises, in which case you are responsible for training room setup, including video projector, white or paper board, and one platform test-bed. In either instance, attendees must bring their own laptops.

### Trainer's profile

Training will be led by a Hewlett Packard Enterprise senior consultant with a background in telecommunications, networks, and HPE NonStop applications, and experience in maintaining and supporting clients.

### Audience size

Training requires a minimum of 3 students and a maximum of 12.

### Training schedule

- This course is offered on demand.
- A six- to eight-week lead time is required to schedule the training session.

## For more information

For details on course contents, fee, and availability, please send an email to [HPE-CMS.Training@hpe.com](mailto:HPE-CMS.Training@hpe.com).



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