

# Course Number H7216B Opt. 401, Dedicated

# **GSM:** Programming the Agilent 8960 for Mobile Testing

Course Overview

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This 2-day course teaches GSM radio test programmers how to write test code for manufacturing applications of GSM radio test with the Agilent 8960 Series 10 GSM Mobile Test set. The class provides insight into the unique programming features of the Agilent 8960 to take maximum advantage of the high speed testing available with the new RIPP\* architecture.

# What you will learn

- · General programming considerations for maximum radio throughput using the 8960 Series 10 test set
- How to program call processing events
- How to program measurements and obtain results
- How to optimally synchronize the DUT, test set and control program

#### Upon completion of this course, you will:

• Be able to create simple and robust test code that takes advantage of the test set's designedfor-manufacturing specialized features.

\* Agilent Technologies Reduced Instruction Parallel Processing Architecture

# **Specifications Course Type**

**Application Training** 

## Audience

Experienced GSM manufacturing test engineers with a background in making GSM radio test measurements and programming knowledge

#### **Prerequisites**

Students should either complete the GSM: An Engineering Perspective Using the Agilent 8960 (H7216A/B Option 301) course, or have equivalent knowledge of GSM protocol and standards, understanding of GSM radio measurements (per GSM 11.10 standard), and ability to write radio test programs.

## **Course Length**

2 days

## **Course Format**

The course is divided into instructor-led lessons and hands-on labs.

## **Delivery Method**

"Dedicated"-at customer site using customer's equipment



# **Agilent Technologies**

# Detailed Course Agenda

## Introduction to 8960 Programming

- 8960 programming introduction
- Unique measurement features
- 8960 introductory programming lab

#### **Base Station Emulator Overview**

- · Setting test set operating mode to active cell
- Configuring the base station emulator (BSE)

#### **Call Processing Event and State Synchronization**

- Establishing an active link with the mobile station
- · Setting mobile station operating conditions
- Performing intra-cell and dual band handovers
- Disconnecting the mobile station from the BSE

#### **Measurements Overview**

- Available measurements
- Measurement execution parameters
- Invalid measurement results
- How to determine if measurements are done

#### **Configuring Measurement Execution Parameters**

#### **Making Measurements**

- Starting a set of concurrent measurements
- Determining if a measurement is done
- Obtaining a set of measurement results

## **Ordering Information**

To order the *GSM: Programming the Agilent 8960 for Mobile Testing* course (H7216B Opt. 401) call: US (800) 593-6632 Canada (800) 561-3276

The Agilent Technologies Customer Registration Center can provide you with price and enrollment information about scheduled courses or a dedicated course which can be customized to meet your specific needs.

You may also register or request additional information online at: www.agilent.com/find/tmeducation

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