Course Description

G1933
Mint Motion Programming Level 2 for Support Engineers

Course type
This is a class room based course with hands on lab work supported by an instructor.

Course Duration
The material is presented over a 3 day period.

Course Goal
This class provides on-going development to the Mint programming language and the software tools used with the products.

Student Profile
It is assumed that participants on this course are involved in the technical support of Motion Products. The material is predominantly Mint programming based so a reasonable level of experience in programming controllers is beneficial. A reasonable knowledge of general servo motion applications is an advantage.

Prerequisites
Completion of the Mint Motion for Support Engineers Level 1 class is required. Together with some experience of Mint motion product applications.

Description
This class is an extension of Level 1, it is targeted at support engineers and covers most of the more complex programing methods available in the Mint programming language.

There is also a high emphasis on the diagnostic features of the programming tools and in the development of whole systems.

Course Objectives
After attending this class participants should have gained sufficient knowledge to support customers with new applications.

There is likely to be a requirement for continued support from the GPL as they gain experience and familiarity with the motion products.

Main Topics
- Advanced Motion
- Application details
- Host programming techniques using Mint ActiveX control
Course agenda

G1933
Mint Motion for Support Engineers Level 2

DAY 1

- Recap of Level 1 content
- Mint Module - Advanced motion (Interpolation and Move buffering)
- Mint Module - CAM profiling
- Mint Module - Motion triggering methods for high accuracy synchronisation

DAY 2

- Mint Module - Position latching for registered systems
- Mint Module - Communications methods using Motion Systems
- Mint Module - Host programming and the Mint ActiveX control

DAY 3

- Mint Module - Drive tuning
- Using an HMI
- CANOpen Peripherals
- System specification and design
- Overview of Motion Expert Class
- Questions and Answer