

## **GR228X Hybrid modelling, DSM and flash programming - 5 Days.**

### **Course Description:**

This course is designed for GR228X engineer level trainees with experience of developing in-circuit test programs for the GR228X. The course covers a review of high speed modelling concepts, hybrid modelling, serial programming, DSM hardware and multiplexing issues. Flash programming is studied with hybrid models using the flash tool to generate code to program a flash device. In the serial programming we analyze the timing diagrams in the device datasheet to part them into hybrid macros. In serial programming we also study realtime data to program into the device.

### **Audience:**

Students who have attended the Level 1 and 2 Applications courses with at least six months of programming GenRad's and Senior level test engineers.

- \* Using clocks and multiple timingsets.
- \* Burst Import / Export.
- \* On board flash programming using DSM.
- \* Hybrid model development.
- \* Using the Flash tool to generate DSM vector file.
- \* Writing Hybrid models using the Hybrid editor.
- \* Convert TPG code to a hybrid model.
- \* Interpret a Flash model.
- \* Interpret different Hybrid examples.
- \* Serial programming.
- \* Hybrid Macro Built-ins.
- \* Hybrid Macro Commands.
- \* How to use Flagspecs from CKT to select tests in a model.
- \* Using the hybrid test-generator.

### **Prerequisites:**

Students should have a good understanding of digital electronics, be able to interpret circuit schematic diagrams, and possess GR228X programming experience.