

Snell  
Academy

# Control & Monitoring with RollCall & Centra RollMap/RollSNMP For Developers

Course Code: SA MICT 003

Duration: 4 days

Who's it for?: Development/  
Maintenance Engineers

Location: Snell Academy or on-site

Maximum number: 4 delegates



**Additional Information:** Delegates will receive all related documentation on CDROM or USB flash drive, including any relevant presentations and handbooks.

For courses held at Snell Academy sites, all lunches and refreshments are included.

**Pre-requisites:** Delegates should possess a good understanding of Video and Audio fundamentals, be PC literate/familiar with MS Windows and have knowledge of networking principles.

**Course Outline:** The purpose of the course is to train developers in how to design and implement control & monitoring projects that utilize RollCall/Centra RollMap/RollSNMP/RollMechanic/RollPod designer applications and modular infrastructure products. The aim is to train development engineers to understand the tools & capabilities and teach them how to utilise them for the delivery of a C&M solution. This will cover RollCall network design and setup, modular range setup and configuration, software tools installation and configuration, Centra RollMap graphical interfaces design and implementation.

**Approach:** The course includes a presentation, live demonstration and hands-on exercises.

**Objectives:** By the end of this course the delegate will be able to:

- Explain the benefits of the available tools and applications to daily operational tasks.
- Interact with the application and understand the functionality of all the visual views (Centra RollMap schematics, alarm views, history views and tree view; RollCall Control Panel; RollMechanic).
- Design a RollCall network around IQ modular infrastructure.
- Design, implement and maintain a C&M solution with the available tools.

All Snell Academy courses can be tailored to meet your specific needs. Please contact [snellacademy@snellgroup.com](mailto:snellacademy@snellgroup.com) for more information.



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### Detailed Agenda

- An introduction to RollCall protocol and network setup
- An introduction to IQ modular
- A detailed demonstration on how to use the following hardware tools:
  - 3U and 1U enclosure
  - IQHSBOX 1RU remote
  - RPAN-1U \RollPod-1U\3U
  - IQSPI00
  - IQGPI00\01
  - Hyperion-IQHIP00
- A detailed demonstration on how to use the following software applications:
  - RollCall V4 suite
    - RollCall control panel
    - RollCall proxy ctrl\log
    - RollView and RollTrack
    - RollCall logserver
    - RollCall IP sharer
    - RollMechanic
  - Centra RollMap
    - Network TreeView
    - Alarms Window
    - History Window
    - Log Logic
    - Masking Alarms
    - Configuring application to Interact with external interfaces over :
      - By sending Emails
      - Triggering GPIs
      - Sending SNMP SETs
      - Launching command line applications
    - Hyperion Thumbnailing implementation (IQHIP00 required)
    - Interactive controls
  - RollSNMP
    - Installing application
    - Adding new entries or modifying existing entries
  - RollPod designer application
    - Installing application
    - Creating configuration files for RollPod and IQGPI00\01 hardware
  - SPI Configuration application
    - Installing application
    - Creating configuration files for SPI Hardware
  - GPI V1 Configuration application
    - Installing application
    - Creating configuration files for CGPI V1 Hardware
- A detailed demonstration of designing and building a C&M system with practical examples incorporating all the tools and applications listed above.
- Interfacing with other Snell products (optional)
  - Kudos+ units via RollTop
  - Vistek units via RollVXT
  - Routers via IQSP100 and SNMP