

Snell
Academy

Router Configuration with Aurora



Course Code: SA RCAU 001

Duration: 3 days

Who's it for?: Operational and
maintenance staff required to
configure and maintain the system

Location: Snell Academy or on-site

Maximum number: 6 delegates

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

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

All Snell Academy courses can be tailored to meet your specific needs. Please contact snellacademy@snellgroup.com for more information.

Pre-requisites: Delegates must be familiar with PC's and Windows operating system. In order to tailor the course to your specific installation, we recommend providing Snell with copies of Aurora, Nebula and Nucleus router controller database configuration and a control system interconnection sketch.

Course Outline: This course covers the setup, editing, operational and maintenance aspects of Aurora and its associated hardware, including routers, control panels and the status display.

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:

Router Hardware

- Maintain and expand Snell router hardware and explain the features applicable to your installation.
- Maintain and configure the Nebula and/or Nucleus router controller applicable to your installation.

Aurora Software

- Install Aurora Editor software and enable Aurora licensing.
- Apply and extract a database to and from the Aurora controller and recommended archiving procedures.
- Use the editors wizard tools to create an Aurora database from scratch.
- Describe the Aurora Editor terminology and key features that relate to your installation.
- Edit router names tables, associations, router port to matrix configuration, control panel entry sequences, tie lines, inhibits and Salvos within the Aurora editors.
- Find the respective help files Aurora editor .



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Aurora Controller Hardware

- Maintain the TSR Aurora controller hardware and be able to explain its features.

Aurora Control Panels Hardware

- Configure and diagnose Nebula, Nucleus and Aurora control panels.
- Operate Nebula, Nucleus and Aurora control panels.

Aurora Status Display

- Use the full feature set of the Aurora status display.

Detailed Agenda:

Aurora

- Aurora Controller Hardware review to include:
 - 2633 main controller.
 - 2634 expansion card (if fitted).
 - 2637 serial I/O cards.
 - Aurora I/O mapping.
 - Rear panel layout and connectivity.
- Snell control protocols.
- Introduction to the Aurora editors.
- Installing the Aurora editor.
- Run the Aurora database wizard to generate a new database.
- Review the different database versions and associated features supported.
- Opening an Aurora database and going on-line.
- Aurora database archiving and management.
- Overview of the Aurora basic editors terminology.
- Configuring and managing Aurora user privileges.
- Review and edit your system Aurora controller configuration.
- Expanding router inputs/outputs and adding additional control panels.
- Aurora configuring/editing of the following:
 - Name and association tables.
 - Port to matrix assignments.
 - Control panels.
 - Control panel entirety sequences.
 - Tie lines.
 - Salvos.

Protects and inhibits.
Status display.

- Aurora help files.

Aurora Control Panels

- Key operational features of:
 - 6700 series control panels.
 - 6276/7 series control panels.
 - LCD serial control panels.
- Configuration of the above.
- Fault diagnose and maintenance.

Aurora Status Display

- Status display connectivity .
- External status display options.
- Review status pages including:
 - 2633 main controller.
 - Destination oriented.
 - Source oriented.
 - Tie line management (if relevant).
 - Matrix diagnostics.
 - Panel diagnostics.

Router Configuration

- Frame architectures.
- Input, output XPT card features and functionality.
- Nebula/Nucleus controller(s) features and functionality.
- Frame controllers where applicable.
- Rear panel connection options.
- Services and maintenances.
- Router editor/configuration options and useful tools.