

# Network Access [6]

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This chapter provides cross-references to the manuals that contain user information for using the UNICOS multilevel security (MLS) feature on TCP/IP and NQE/NQS. In addition, the following topics are addressed:

- RQS controls
- Station controls

For more information on using the UNICOS MLS feature on TCP/IP, see the UNICOS MLS section in the *TCP/IP Network User's Guide*, Cray Research publication SG-2009.

For more information on using the UNICOS MLS feature on NQS, see the UNICOS MLS section in the *NQE Administration*, Cray Research publication SG-2150.

## 6.1 RQS controls

RQS is the Remote Queuing System that runs on systems other than Cray Research systems. The RQS VAX/VMS, VM, and MVS versions of the `qsub(1)` command do not currently support the use of options to specify security levels or compartments.

**Note:** RQS is not part of the set of Cray ML-Safe components.

The RQS UNIX version of `qsub` has options to allow the security level and compartments to be specified. When RQS UNIX is configured with a remote queue to a UNICOS MLS system, any jobs you submit run at the security level and compartment specified by the `qsub -L` and `-C` options.

If the request is submitted by using the `qsub` command (without specifying the `-L` or `-C` options), the request is assigned your default security label as assigned in the UDB.

When using the `qsub -L` option and/or the `qsub -C` option, the requested label must dominate the job submission's label and be within the valid range as defined by the user's user database entry and the host's network access list (NAL) entry. If these requirements are not met, the job is deleted.

## 6.2 Station listable output

If a station supports listable output, it must obtain the file's security label from the dataset header in order to print the following:

- A header, banner page
- A trailer page
- A header line per page
- A footer line per page

Each of these labels should include the file's security level and compartments and should be tailored to the site's printer labeling formats. This is the only non UNICOS implementation necessary; however, it is essential to provide marked listable station output.