

Optimization of Message Handling

The following topics are covered:

- Screen Output Handling
 - Restoring the Screen Content
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BS2000/OSD Environment - Other Topics:

Natural Shared Nucleus under BS2000/OSD | Refresh of Natural Load Pool | Siemens Terminal Types Supported | Function Key Support with 9750 Devices | Common Memory Pools | Calling Dynamically Reloadable 3GL Programs

Screen Output Handling

Natural provides an extensive message optimization capability. Prior to sending an output screen, Natural determines which portion of the screen has been modified; only data which have actually been modified are sent.

This is to be considered when, between two successive terminal outputs, portions or the entire terminal contents are changed

- by using the CLEAR key or
- by intervening dialog steps at system level (K2 interruption or similar interruption).

This is particularly true if a subprogram called from Natural by an external CALL interface produces dialogue output.

Restoring the Screen Content

In the above-mentioned cases, you can use one of the following methods to cause Natural to restore the most recent terminal screen contents.

- Issue the terminal command %R.
- Use the statement SET CONTROL 'R'