

# NAF - Verification Procedures under UTM/TIAM

This chapter covers the following topics:

- System Testing
  - NATSPOOL System Errors
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## System Testing

Several tests may be conducted following the installation of Natural Advanced Facilities, to determine whether the system functions correctly.

The programs NTEST and SPPTTEST are contained in the SYSPOOL application. These programs contain WRITE ( 1 ) statements. Run the program NTEST or SPPTTEST. In the appropriate logical printer, the Disposition should be set to K for testing.

Instead of using NTEST or SPPTTEST, you can also create test reports with Function 42.

If the report cannot be printed, take the following steps:

1. Check whether the report is contained on the spool file. If the report is not on the spool file, it is possible that a FILE command for a print file has been active, and the report has been written to the print file, and not to the spool file. This would occur because the FILE command has a higher priority.

If the report is in the spool file, but still is not printed, take the following steps.

2. Check whether the printer is in FREE status. If the printer is in status BUSY, INOP, DEAC or HUNG, reset it to FREE.
3. Check whether there is an error message on the console beginning with NAF. Normally, an error message will be sent to the console whenever a report is not printed. This allows the console operator to perform a more detailed analysis of the cause of the error.
4. If the printer is active, check whether paper has been loaded.
5. Check whether the information in the printer definition (see Function 31.4, #) and PDN are consistent with one another.

In addition, verify that the correct physical printer name and processor name have been specified.

6. Check whether the printer is reserved by another spool system, and although it is not currently in use, neither has it been deactivated by the other spool system. In this case, it is best if the printer is reset via a direct operator command.
7. Check whether the printer is defined in a UTM application (KDCDEF) and activated from that application. Deactivate the printer via a UTM administration command.

If the printer prints only 80 characters per line and 24 lines per page, take the following step.

8. Check the PDN for the printer to see that the appropriate `LINELEN` and `MAXLINE` parameters have been included in the `XOPCH` macro.

For example, to cause the printer to print 132 characters per line, and 80 lines per page, provide the following parameter values:

```
XOPCH LINELEN=132  
MAXLINE=80
```

9. If a `WRITE` (*rep*) statement with attribute definition `AD=I` (intensified display) is used, the Natural profile parameter `INTENS` must be specified to enable intensified display.

The following must be true:

```
LS * INTENS ≤ printer buffer size
```

where `LS` is the line size as defined in the `FORMAT` (*rep*) statement, and the printer buffer size as specified in the printer definition (see Function 31.4).

## NATSPOOL System Errors

A system error may be issued upon initialization of UTM if the `SPOOL` parameter has been included in the `NATUTM` macro, and the spool server cannot be started during initialization.

Possible causes of this error are:

- the batch limit has been exceeded, and the spool server cannot be started; or
- the entry job name specified in the `SPOOL` parameter either does not exist, or the entry job exists under a different name than the one specified in the `SPOOL` parameter.