



SETUP ALPROC.DAT

Effective:
12/27/17

Revision:
A

Setting Up ALPROC.DAT and Defining Associated MISER Points

Overview

The **ALPROC** special process produces output as a binary point for the point map and/or slide output. The state of the input portion of each output point is:

- **4** — When any point in the RTU is unacknowledged **and** is a status point.
- **3** — When any point in the RTU is unacknowledged.
- **2** — When all points are acknowledged and there is at least one point in the RTU that is in alarm.
- **1** — When there are no point sin alarm in the RTU.

The state of the output (if the point has a field output) portion of the point is:

- **FLASHING FAST** — When any point in the RTU is unacknowledged **and** is a status point.
- **FLASHING** — When any point in the RTU is unacknowledged.
- **ON** — When no points are unacknowledged, but there is a least a point in the RTU that is in alarm.
- **OFF** — When there are no points in alarm in the RTU.

The information necessary to logically attach the output point to the RTU s is acquired from the file:

Mnet\$DATA:ALPROC.DAT

Prerequisites

The following items are required in order for the MISER **ALPROC** special process.

On the Primary and Backup SCADA Hosts:

1. ALPROC.EXE is included in SYS\$DEVICE:[000000.MISER.EXECUTABLE].
2. ALPROC.EXE is included in the MISER startup files: START_XXXMVA.DAT and START_XXXMVB.DAT located in \$SITE:[DATA] (where XXX is the three letter abbreviation for the customer site).

SETUP ALPROC.DAT

An example of an **ALPROC** entry in the `START_XXXMVA.DAT` file is below:

```
RUN ALPROC -
  /DELAY="0 00:03:10.00" -
  /PROCESS_NAME=ALPROC -
  /ERR=SYS$ERRORLOG:ALPROC.ERR -
  /OUT=SYS$ERRORLOG:ALPROC.OUT -
  /NOSWAP -
  /PRIORITY=4
```

3. ALPROC.DAT is included in `Mnet$DATA`.

Understanding ALPROC.DAT

This section includes the updated header section from the ACTMVA system that includes a functional description of ALPROC, as well as examples of an ALPROC point definition and ALPROC.DAT entry.

```
!*****
!* DESCRIPTION - Special processor to produce output as a binary point for the
!* Mapboard and/or slide output. The state of the input half of each output point is:
!* 4 when any point in the RTU is unacknowledged and is status point
!* 3 when any point in the RTU is unacknowledged.
!* 2 when all points are acknowledged and at least 1 RTU point is in alarm
!* 1 when there are no points in alarm in the RTU.
!*
!*The state of the output(if the point has field output)half of the point is:
!* FLASHING FAST when any point in the RTU is unacknowledged & is status point.
!* FLASHING when any point in the RTU is unacknowledged
!* ON when all points are acknowledged and at least 1 RTU point is in alarm.
!* OFF when there are no points in alarm in the RTU
!*
!* The information necessary to logically attach the output points to the
!* RTUs is acquired from the file:
!* Mnet$DATA:ALPROC.DAT
!*
!* Each line in the file has the form:
!* <Node>::<NCC>:<RTU>, <acronym> [,<wildcard>]
!* NCC or RTU could be zero ! VP 2009
!*
!* The point identified by <acronym> will be operated according to the state
!* of the points on the addressed RTU using the rules above.
!*
!* All characters after ! on a line are ignored. Blank lines are ignored.
!*
!* REVISIONS:
!* DATE BY DESCRIPTION
!* -----
!* 9-JUN-2017 Gary Waters Added header comments to file
```

SETUP ALPROC.DAT

```
!*****
!Example point:
!
!BINARY 5594
!
!ACRONYM LC-ALARMS-ALPROC INPUT SUBTYPE CALC
!SEGMENT 0 NODE ALCVSA NCC ID 1 OUTPUT SUBTYPE NONE
!NAME RTU ID
!AREA MUX ID COS REPORTING Y
!BUILDING IN ADD INTERVAL TYPE NONE INTERVAL
!UNIT OUT ADD AUTO LAST COMMAND RE-ISSUE N
!
!ON CODE ACKNOWLED OFF CODE NORMAL INTERMEDIATE CODE NOT-ACK
!ON STATUS 2 OFF STATUS 1 INTERMEDIATE STATUS 3
!START VERB START STOP VERB STOP
!
!MINIMUM ON TIME MINIMUM OFF TIME
!VERIFICATION DELAY RUN TIME LIMIT POWER DEMAND
!
!ON ALARM N OFF ALARM N INTERMEDIATE ALARM N UNCOMMANDED COS ALARM N
!ALARM DELAY CRITICAL ALARM N UNDEFINE STATE ALARM N
!
!ALARM PRINTERS 0 EVENT PRINTERS 0 MESSAGE NUMBER
!ACK CATEGORY INTO PRINT CATEGORY ALARMS RELATED TASK
!POINT ASSOCIATION NONE ASSOC POINT
!POINT ACCESS LEVEL 100 POINT CONTROL LEVEL 100 SLIDE NUMBER
!-----
!
!Example Alproc.dat entry
!ALCVSA::2:1,LC-ALARMS-ALPROC,LC-*
!
!Start ALPROC.DAT entries below here:
!
```