

1. **SCOPE:** This document applies to the usage of COMETS in PQC.
2. **REFERENCE DOCUMENTS:** None
3. **TABLE OF CONTENTS:**
 - 3.1 Scope
 - 3.2 Reference Documents
 - 3.3 Table of Contents
 - 3.4 Operating Instructions
 - 3.5 Attachments
4. **Equipment Logging Instructions:** It is the operator's responsibility to ensure that the equipment he is assigned to is logged properly. Everyone should be active in keeping accurate logs of downtime.
 - 4.1 Log onto the VAX system.
 - 4.2 Log onto COMETS.
 - 4.3 Enter function MACH-this will bring up the Machine Tracking Menu. (Figure 1)

```

NTC109Sf      Machine Tracking Menu   (MACH) SYS 9/14/95 15:23:47
Production_Database      U2

Enter Machine Number...      ENTITY TYPE REQ.....MACHINE
SELECT EVENT:  ..AVAIL      ..EES REQ      ..ENG REQ
                ..MFG PM      ..NO OP      ..NO MAT
                ..FAC REQ      ..MFG REP      ..QUAL
                ..EES PM      ..EES ATTN      ..ENG ATTN
                                1/5 : 0 LOT(S)
      LOT      QTY(opt)  LOT      QTY(opt)  LOT      QTY(opt)
      _____

COMMENTS (opt)..... _____

PF1/SFK4=NEXT LOT
PF1/SFK6=PREV LOT
RETURN = PROCESS SFK1 = EXIT SFK8 = EVENT ALREADY LOGGED FOR LOT...
SFK2 = HELP SFK5 = VIEW CURRENT..X OR LAST PURGED.. LIST OF (opt)
SFK4 = NEXT PAGE EVENTS SFK6 = PREV PAGE EVENTS SFK7 = MORE COMMENTS
SFK0 = CLEAR LOTS      PF1/SFK5 = LOGN SFK3 = NEXT FUNCTION..
NTC115 ENTER DATA AND PRESS RETURN TO LOG AN EVENT FOR AN ENTITY.
  
```

Figure 1:Equipment status screen.

- 4.4 Equipment Status - use arrow keys to move cursor. Enter Machine Number. (See Attachment # 1)

The available status categories are as follow:

 - 4.4.1 **IN PROD:** Equipment is available and in use.
 - 4.4.2 **QUAL:** Equipment is being qualified with standard.
 - 4.4.3 **NO OP:** There is no one available to operate the equipment.
 - 4.4.4 **NO MAT:** There is no material to run on the equipment.
 - 4.4.5 **FAC REQ:** There is a problem with the facilities to the equipment (power, vacuum, N2, etc.)
 - 4.4.6 **MFG REP:** The manufacturer's representative is working on the equipment.
 - 4.4.7 **EES ATTN:** The equipment is running but needs EES attention (only used for MAX880 lamp changes.)
 - 4.4.8 **EES REQ:** The equipment is down and requires EES attention (only used for MAX880 lamp changes.)
 - 4.4.9 **ENG REQ:** PQC Engineer must create or adjust inspection setups.
- 4.5 Do not use any other categories than these.

Hit RETURN to log equipment down.

Turn the sign on the equipment to "DOWN".

Notify Lead Operator or PQC Engineer to contact the Field Service Engineer.

Equipment will be logged back-up when service and any Field Service Report is complete.

5. Procedure for Logging Lots in COMETS

- 5.1** When work is completed on a lot and it is ready to be moved out, place it on the “Outgoing Conforming Material” table. Do not place any other lots on this table.
- 5.2** Type “MVOU” in COMETS. Enter the information in the lines from the lot tracking slip. If this information is missing, obtain it from the KLA2551, if possible. Enter NA on lines that will not have information entered. Press Enter when you have finished. The lot will be moved to the next step in COMETS.
- 5.3** Staple the paperwork for the lot together and place it in the appropriate tray. Place the lot on the outgoing PQC shelf in the fab.

ATTACHMENT # 1

<u>EQUIPMENT DESCRIPTION</u>	<u>EQUIPMENT CODE</u>
KLA 2131- 1	KLA-1
KLA 2131- 2	KLA-3
KLA 2551	KLA-2
LEICA	LEI-1
MAX 880 -1	MAX- 1
MAX 880 - 2	MAX- 2
SEM S-806C	SEM- 1
MICRION 908 FIB	FIB- 1
Particle Measuring System	PMS-1
Bright light	SOS-1
Nikon metallurgical microscope	NIM-9