

## TRIPPED ALARMS

(SAME AS DAMPED

BUT WITH GUARD ALARMS  
ON WD SET TO NO ALARM)

## SAFE ALARMS

- NO WATCHDOGS ARE TRIPPED
- MASTER SWITCH IS OFF
- OFFSET IS ZERO
- DAMPING LOOPS ARE ON
- LOWER STAGES ARE OFF
- OSEM CALIBRATIONS ARE ON
- OSEM OPEN LIGHT CURRENT  
COMPENSATION IS ON
- DRIVE ALIGN / SENS ALIGN ARE 1

## DAMPED ALARMS

ONLY DIFFERENCE FROM SAFE  
IS MASTER SWITCH ON

## MISALIGNED / ALIGNED

SAME AS DAMPED BUT OFFSET  
THRESHOLDS ARE CENTERED  
AROUND NEW OFFSET VALUES

TRIPPED"

TO

S  
ON

DAMPED

MISALIGNED  
MISALIGNED  
ALIGNED

MS

VARIABLE  
ALIGNED

TRIP.

REQUEST TO "TRIPPED"



goto - TRIPPED

- SET STATE STRING TO "TRIPPED"
- goto - DAMPED
- TURN GUARD ALARMS ON VVD TO NO ALARM

transit - TRIPPED - DAMPED

- RESET WATCHDOG
- goto - DAMPED (WHICH RESTORES GUARD ALARMS ON VVD)
- CHANGED STATE STRING TO DAMPED

transit - DAMPED - ALIGNED

- SET TRAMP
- TURN OFF OFFSET VALUE ALARMS
- BUT RESTORE OFFSETS
- WATCH OFFSET "RAMPING" VARIABLE
- WHEN OFF, SET STATE TO ALIGNED

~~DAMPED - MISALIGNED~~  
~~ALIGNED - MISALIGNED~~  
~~MISALIGNED - ALIGNED~~

verify - (ANY STATE)

if ALARMS TRIGGER

- check if VVD TRIP.

TRIPPED

SAFE

- NO

- MASS

- OFF

- DAM

- LO

- OSE

- OSE

COM

- DRI

DAMPED

ONLY

IS M

MISAL

SAFE

MANAGER



- CHANGED STATE STRING TO DAMPED

transit\_DAMPED\_ALIGNED / DAMPED\_MISALIGNED

- SET TRAMP

- TURN OFF OFFSET VALUE ALARMS

- BUILT RESTORE OFFSETS

- WATCH OFFSET "RAMPING" VARIABLE

- WHEN OFF, SET STATE TO ALIGNED

ALIGNED\_MISALIGNED  
MISALIGNED\_ALIGNED

verify\_(ANY STATE)

if ALARMS TRIGGER

- check if VVD TRIP

if WD TRIP

SET REQUEST TO "TRIPPED"

else

DO NOTHING

end

else (BAD CHECKSUM)

GO TO UNKNOWN

end

(DAMPED)

(MANUAL)

(UNKNOWN)

MANAGER

R DAMPED

WD ALARMS

DAMPED

ONLY IS

MISALIGNED

SAME

T  
A





WD TRIPS. WHAT DO WE WANT TO HAPPEN?

- COMMUNICATE TO OPERATOR/MANAGER

- GET READY FOR RESET  
- SET ALARMS FOR DAMPED  
EXCEPT FOR WD ALARMS





HOW ARE WHAT BUTTONS APPEAR  
ON THE GUARDIAN SCREEN CHOSEN?

- WHY DON'T TRANSIT BUTTONS  
APPEAR? (WE DON'T WANT  
THEM TO, BUT JUST WANT TO MAKE  
SURE WE DON'T HAVE TO DO ANY  
THING EXTRA)

DO BURT RESTORES MOMENTARILY FLAG ALARMS? [YES BUT  
THAT'S OK]

HOW TO PASS TOP 10 LISTS  
UP THE MANAGEMENT CHAIN?

REQUIREMENT: - TRANSIT SCRIPTS

DON'T WORK UNLESS FROM STATE  
IS GREEN

- GUARDIAN EPICS VALUES SHOULD NOT BE IN SNAP FILES