

SADC HYCOS DIAGNOSTIC PROCEDURES 1:

ACTIVATE (DCP) AURORA
 [By pushing the VAL key for about 5 seconds]

Scenario 1
 IF NOT ACTIVATED
 (Page 1)

Scenario 2
 IF ACTIVATED
 (Page 2)

Power Down DCP
 (Disconnect Solar panel-plug & then the Battery plug.)

TEST 1
 Check Power Supply

TEST 2
 Check internal Fuses
 (By using a multi meter/tester)
 (3 x Short Fuses [3.15Amp])

1. Battery Levels
 (Less than 11 Volts)

2. Battery Levels
 (Between 11 Volts - 14Volts)

Replace fuses as needed
 (situated on circuit board (back) - bottom right)

A. Test Solar's Voltage output
 Should be 12 - 18 Volts
 (Pins 2 & 3 on connector)

B. Test Solar's Current output
 Should be 1.0 - 1.8 Amps (In Full sunlight)
 (Pins 2 & 3 on connector)

Proceede to TEST 2

If not OK

Check solar cables

If necessary repair or replace the cables.

Check cable connections at the panel

Repair connections

C. Replace Solar panel
 (20 Watt Panel)

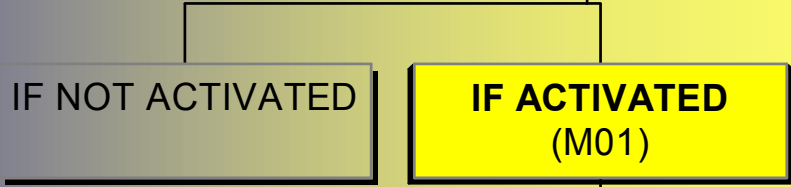
D. Replace the Battery
 (±38Ah Lead Seald Battery)

Proceede to TEST 2



**SADC HYCOS DCP -
MATRIX 1:**

ACTIVATE (DCP) AURORA
[By pushing the VAL key for about 5 seconds]



1. General

- 1. Language
- 2. Contrast
- 3. Current Time
- 4. Cartridge
- 5. Position
- 6. Name

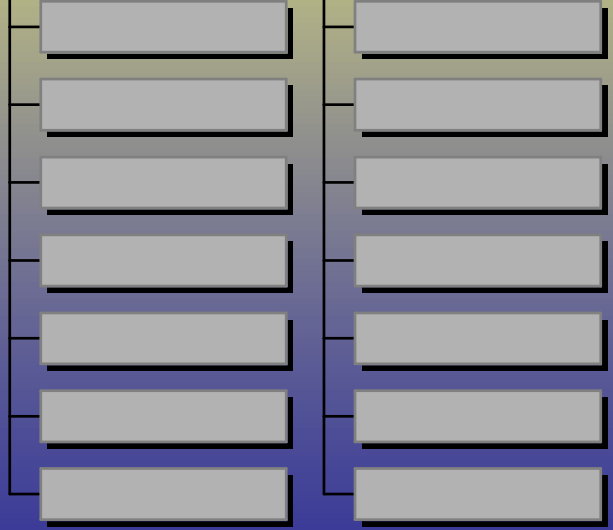
2. Test Inputs

- 1 Air Temp
- 2 Water Temp
- 3 Conductivity
- 4 Global Radiation
- 5 R/Humidity
- 6 Wind Direction
- 7 Rain Gauge
- 8 Wind Speed
- 9 R/Water Level
- 10 L/Water Level
- 11 Turbidity
- 12 Battery Voltage
- 13 Battery Current
- 14 Solar Current
- 15 Internal Temp
- 16 Door Switch

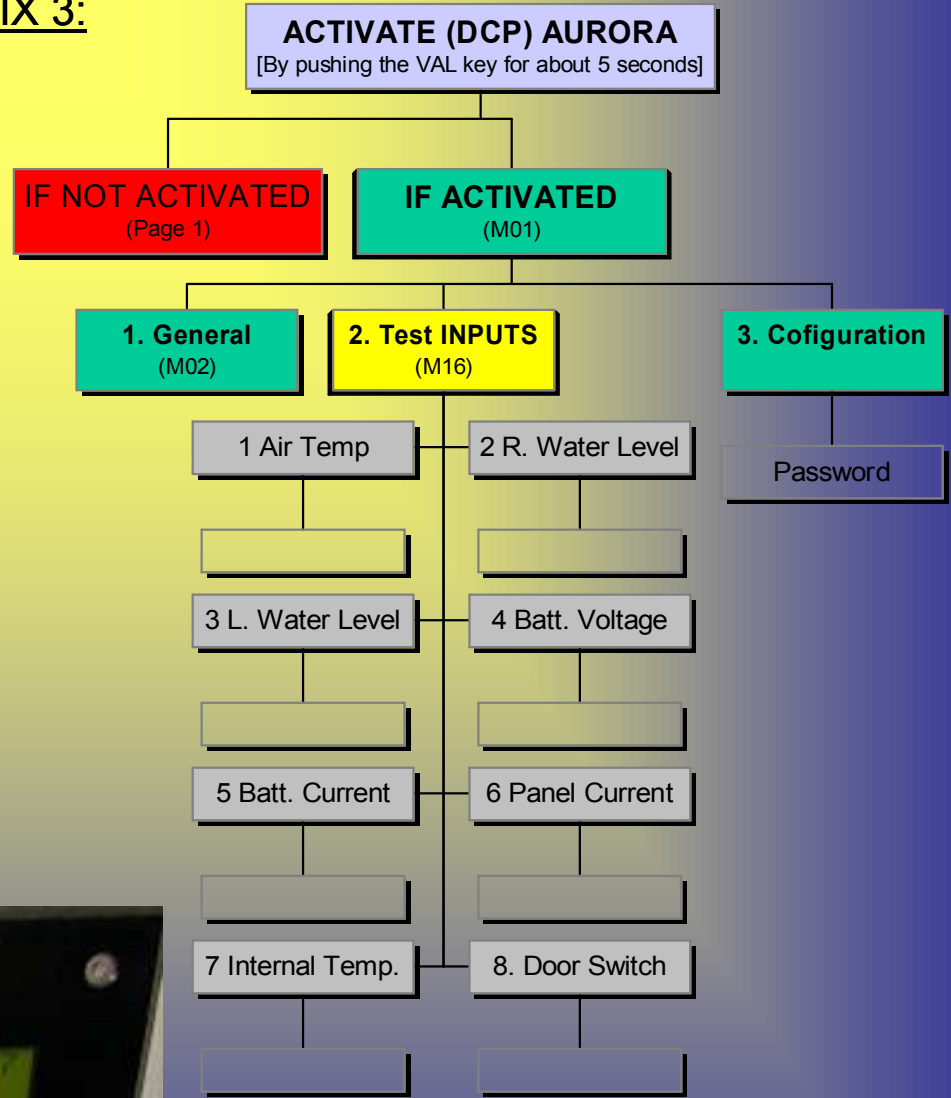
3. Cofiguration

Password

- 1. ****
- 2. ****



SADC HYCOS DCP – TESTING INPUTS- MATRIX 3: (Standard DCP Setup)



SADC HYCOS DCP – CONFIGURATION
PASSWORD & PARAMETERS MATRIX 4:

ACTIVATE (DCP) AURORA
 [By pushing the VAL key for about 5 seconds]

IF NOT ACTIVATED
 (Page 1)

IF ACTIVATED
 (M01)

1. General
 (M02)

2. Test Inputs
 (M16)

3. Cofiguration
 (M24)

Password
 (M25)

1. 2900

2. 5600

Parameters
 (M28)

1. Sensors

2. Current Time

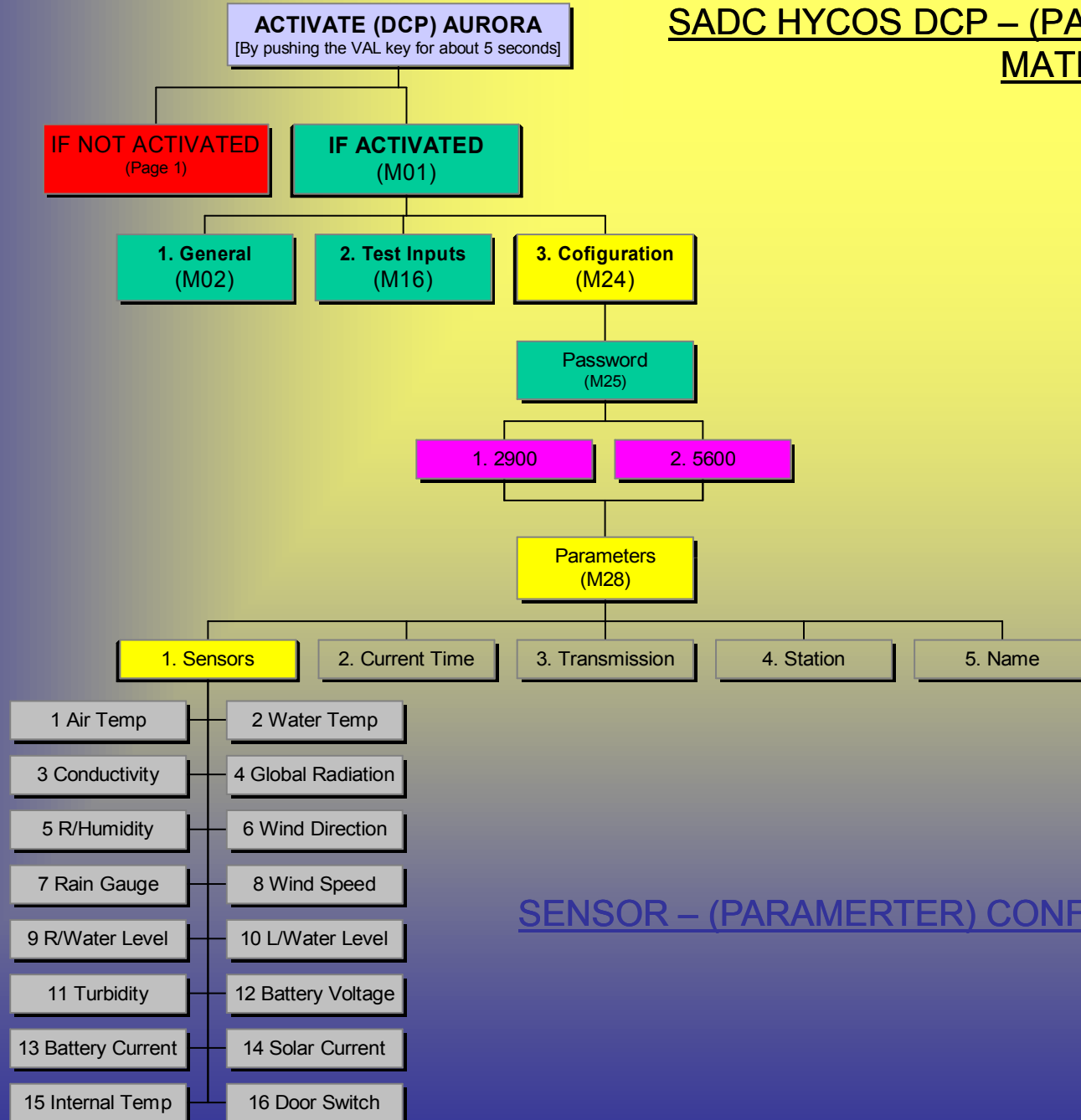
3. Transmission

4. Station

5. Name

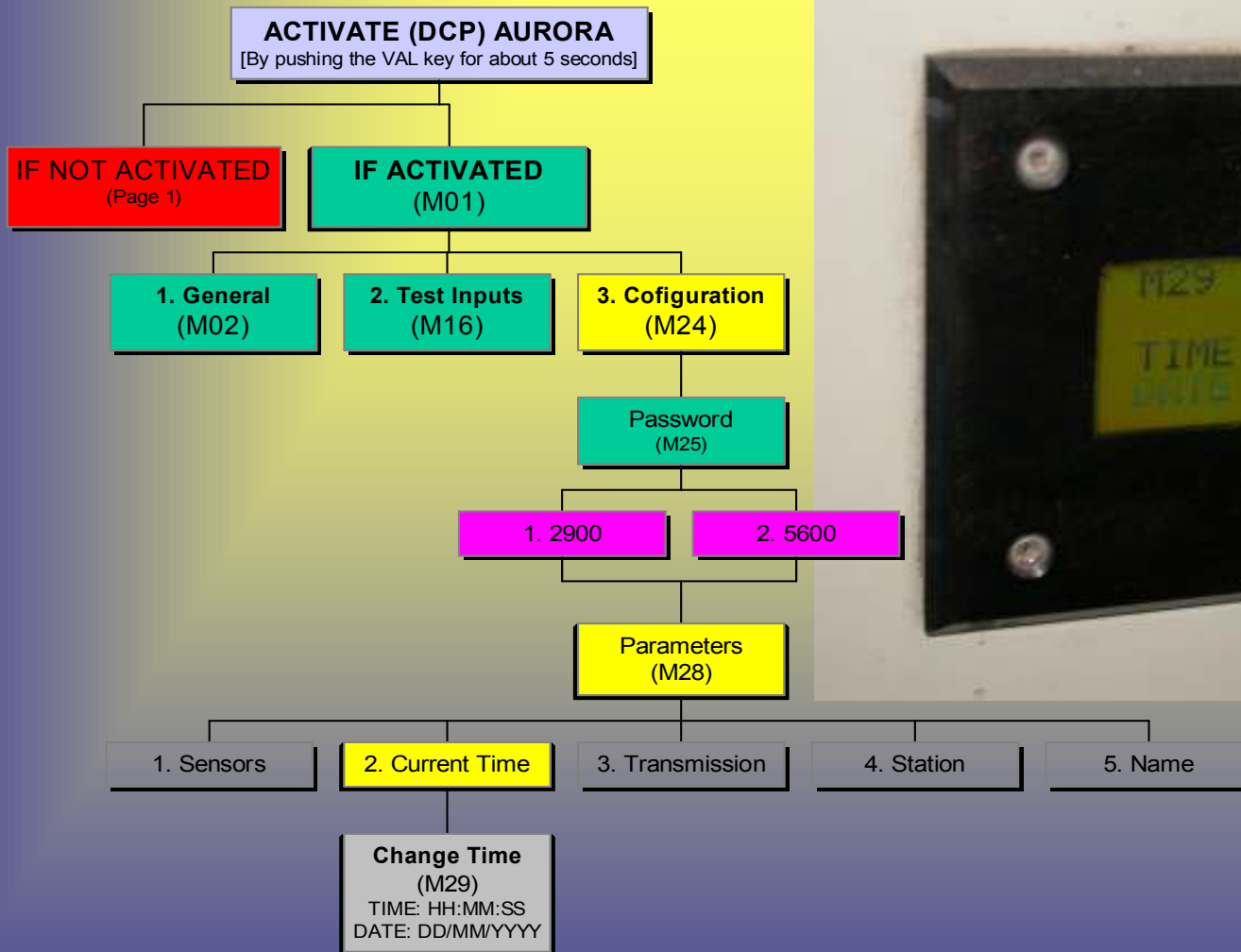


SADC HYCOS DCP – (PARAMETERS) SENSORS MATRIX 5:

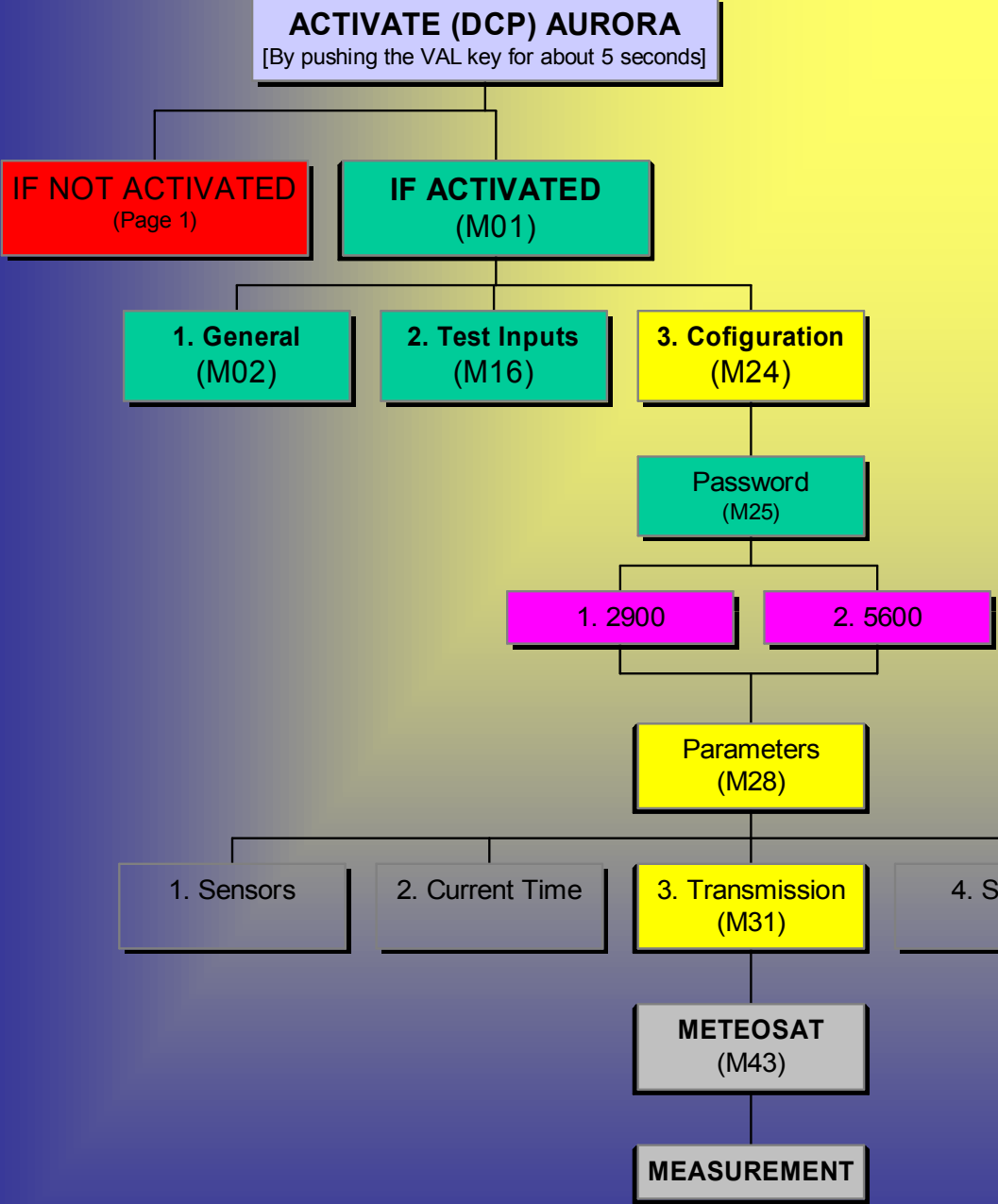


SENSOR – (PARAMETER) CONFIGURATION

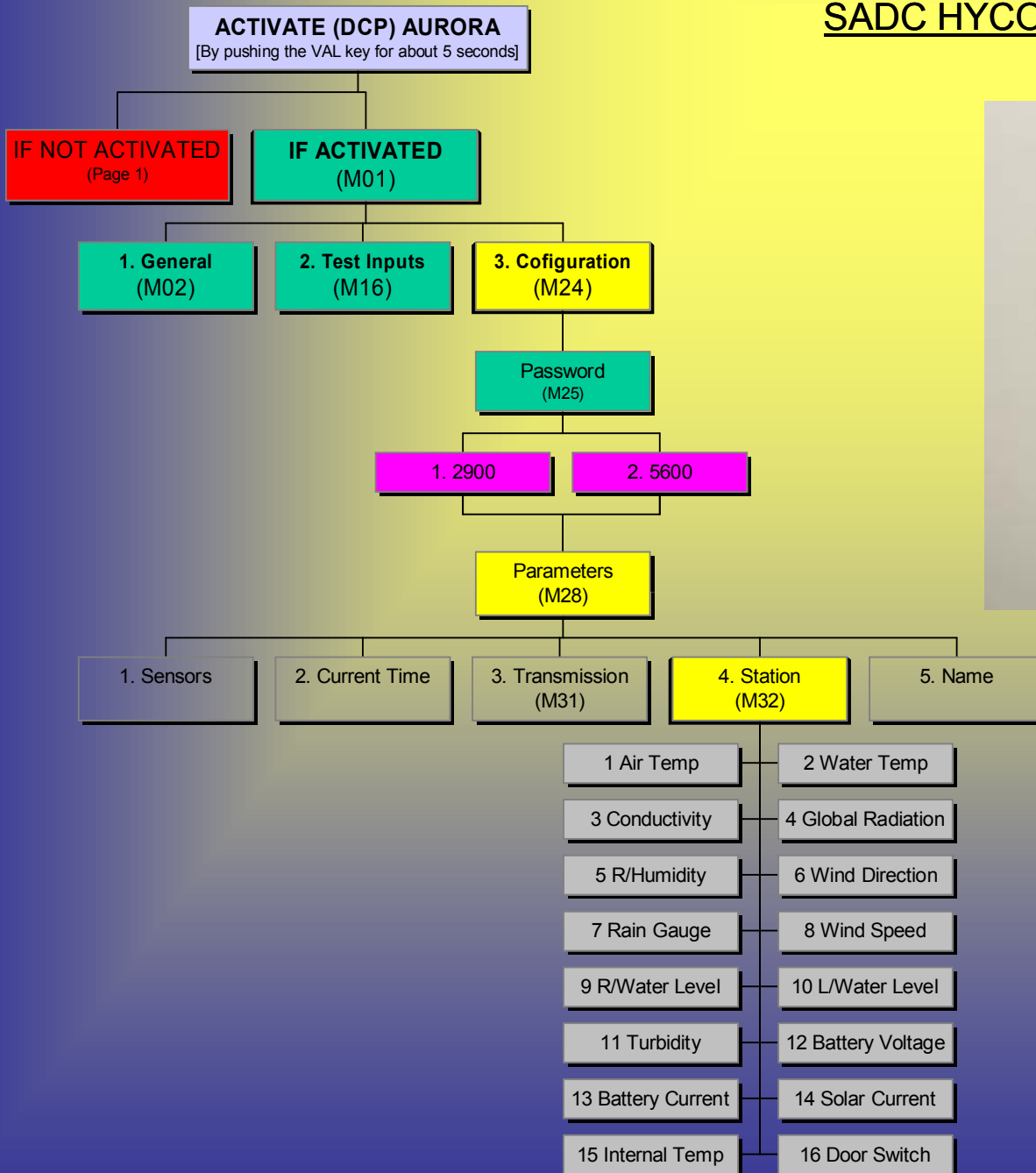
SADC HYCOS DCP – (PARAMETERS) CURRENT TIME MATRIX 6:



**SADC HYCOS DCP – (PARAMETERS)
TRANSMISSION MATRIX 7:**



SADC HYCOS DCP – (PARAMETERS) STATION MATRIX 8:



SENSOR – (PARAMETER) ACTIVATION

SADC HYCOS DCP – (PARAMETERS) NAME MATRIX 9:

ACTIVATE (DCP) AURORA
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IF NOT ACTIVATED
(Page 1)

IF ACTIVATED
(M01)

1. General
(M02)

2. Test Inputs
(M16)

3. Cofiguration
(M24)

Password
(M25)

1. 2900

2. 5600

Parameters
(M28)

1. Sensors

2. Current Time

3. Transmission
(M31)

4. Station

5. Name
(M40)

00000 NAME

