How to set the Measure Failure Behaviour for Daisy Chain Modules

Question:

How to set the Measure Failure Behaviour for Daisy Chain Modules

The option "*Measure failure behaviour*" specifies how the system should react if the connection between INCA and the hardware module is interrupted at measuring start or during measurement.
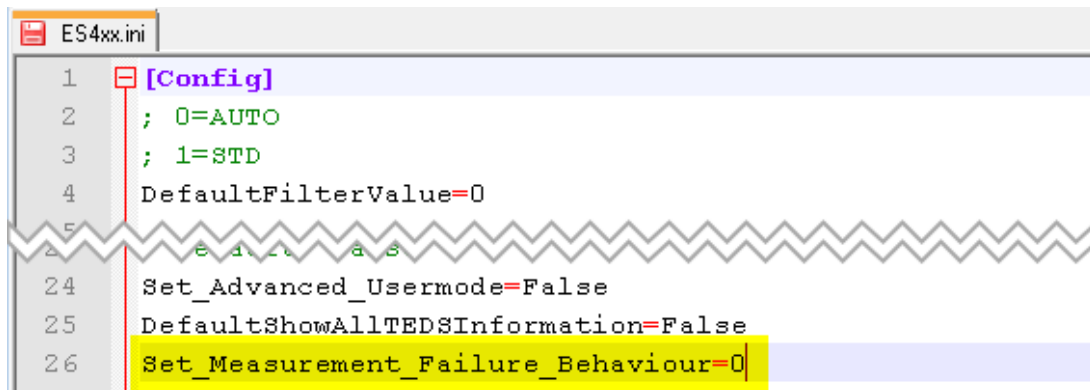
Answer:

An entry must be made in the ES4xx.ini file

The default "Measure failure behaviour" for Daisy Chain Modules can be set by an entry in the file ES4xx.ini

The default INCA installation saves the ES4xx.ini file in the following location: *..\ETASData\INCA7.x\DaisyChainModule*

The parameter "*Set_Measurement_Failure_Behaviour*" determines the Measurement failure behaviour.

```
ES4xx.ini
1   [Config]
2   ;  0=AUTO
3   ;  1=STD
4   DefaultFilterValue=0
...
24  Set_Advanced_Usermode=False
25  DefaultShowAllTEDSInformation=False
26  Set_Measurement_Failure_Behaviour=0
```

The possible values are as follows:

- *Set_Measurement_Failure_Behaviour=0*

  => Abort after failure

  The measurement using this hardware module will be terminated in any case of measurement failure (at measuring start or during measurement). The system does not try to reinitialize the hardware module. After the connection has been interrupted, you have to reinitialize manually.

  This option is appropriate when, e.g., the measured values are not essential for the experiment, as the module will be ignored after any failure. This option is the default.
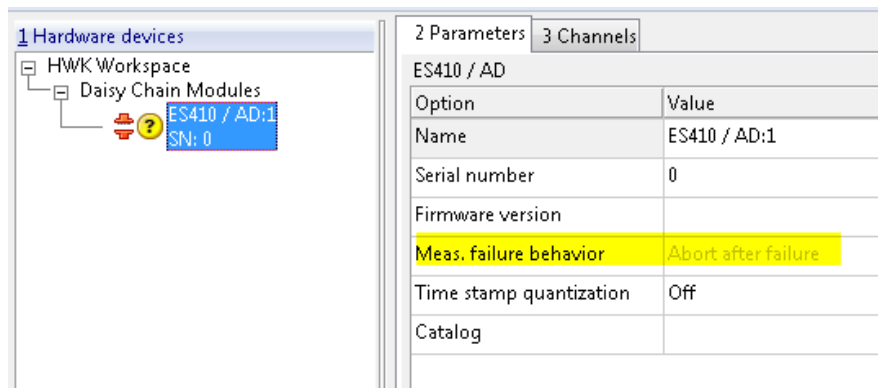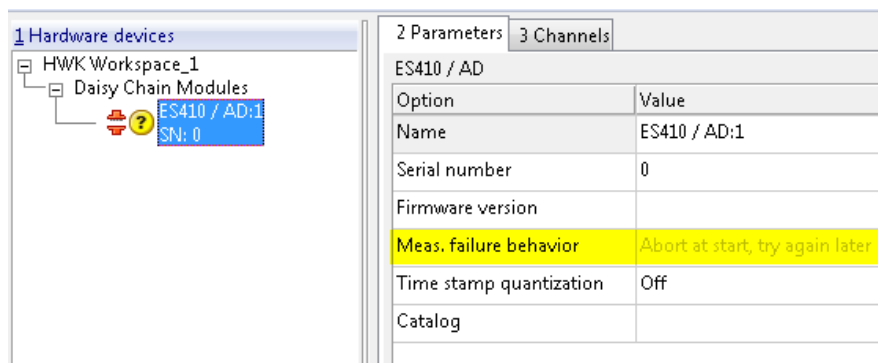
- *Set_Measurement_Failure_Behaviour=1*

    => Abort at start, try again later

    INCA stops measurement of this module in case of failure at measuring start, assuming the module is disconnected or has any systematic problem.

    It continues to try measurement in case of failure during the measurement assuming the failure is temporal and can be resolved via connection retries.
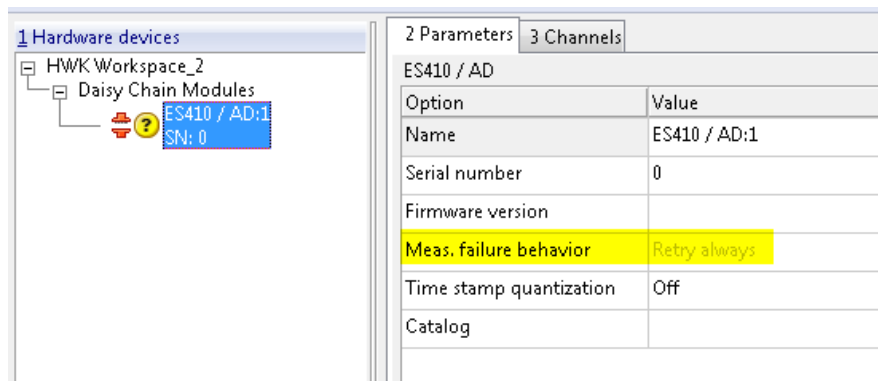

- *Set_Measurement_Failure_Behaviour=2*

    => Retry always

    INCA continues to try measurement of this module in any case of measurement failure (at measuring start or during measurement).

    This option is useful if you want to conduct quick start or cold start measurements.

The default setting will be applied to all Daisy Chain devices (ES4xx, ES63x, ES930) in all chains.

ⓘ Additional information:

🎧 In case of further questions:

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