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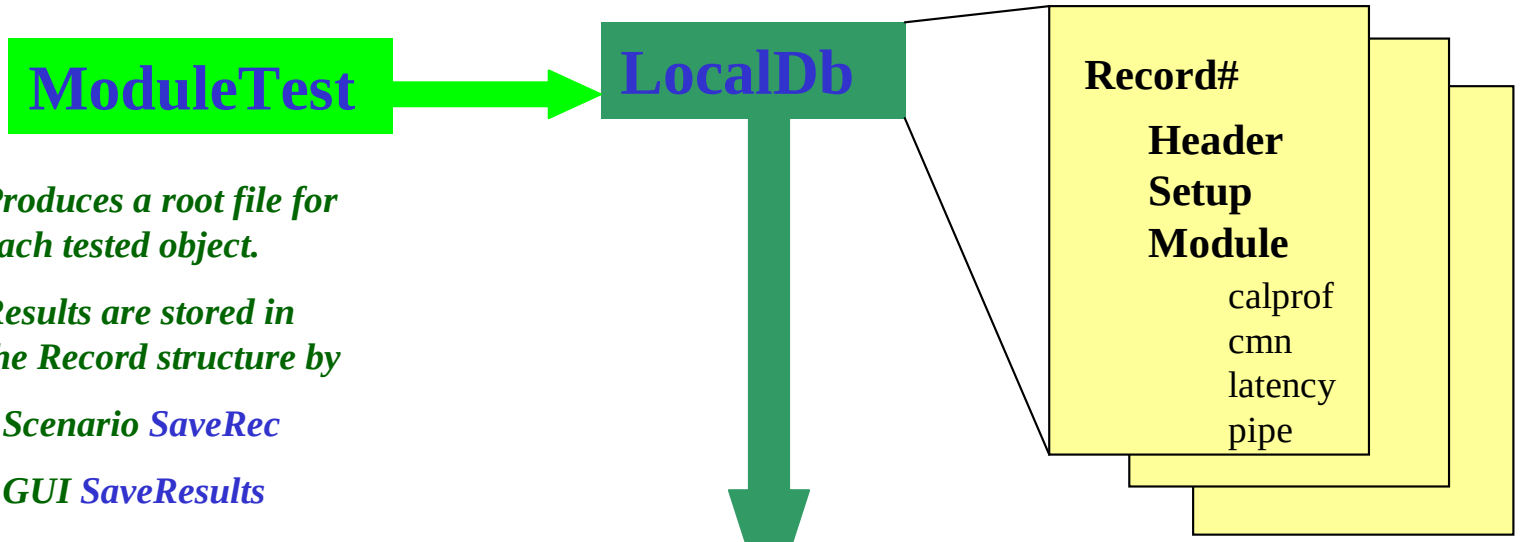
Database in the Module Test

New structure! Easier to navigate. Simple root file with structure:
filename_M_modId.root



Produces a root file for each tested object.

Results are stored in the Record structure by

- ***Scenario SaveRec***
- ***GUI SaveResults***

actiontemplate

XML file for CentralDb without values.

1. ***Hybvalidation.res***
2. ***Modvalidation.res***
3. ***Modlt.res***

DbParser

Populates results from the Root file into template values. Can work standalone or from GUI.

resultsfile

modId.res XML file ready for CentralDb

Action Templates 1

3 main composite actions:

HYBVALIDATION (HYBPAVALIDATION) — *Hybrid qualification test (without and with PA)*

MODVALIDATION — *Single module qualification test after bonding*

MODLT — *Longterm moduletest. Composite 2*

With basic actions:

- **hybridbasic**
- **modulbasic**

  Summary for hybrid and module tests

- **hapvbasic**
- **mapvbasic**
- **mapvlt**
- **mapvdeep**

  Apv basic test for hybrid, module and longterm

- **sensorbasic**

  Sensor related results for module and longterm test

Action templates 2

Ex.: modvalidation.res

Red fields are obligatory. Fields with numbers has to be filled by hands. Others are filled by Parser from Root file.

header

```
<?xml version="1.0" encoding="UTF-8"?>
<unit
xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="calibration.xsd">
  <object id=""/>
  <composite>
<!-- Module Qualification test after bonding
Note that not all elements can be filled
-->
    <action_description input_id="542" name="MODVALIDATION"
      object_name="MOD" version="1"/>
  <action>
    <action_description input_id="538" name="MODULEBASIC"
      object_name="MOD" version="1"/>
    <result name="MODULBASIC_val" value="" />  0,1..
    <result name="Tdate" value="" />
    <result name="operator" value="ivanov" />
    <result name="tool_id" value="1" />  not 0
    <result name="status" value="" />  validatee
    <result name="ModuleType" value="" />
    <result name="ModuleGrade" value="" />
    <result name="NBadChan" value="" />  ll
    <result name="Settings" value="" />
    <result name="TempSetup" value="" />
    <result name="TempExt" value="" />
    <result name="HumSetup" value="" />
    <result name="HumExt" value="" />
    <result name="TempHybDcu" value="" />
    <result name="TempHybNtsc" value="" />
    <result name="TempSenNtsc1" value="" />
    <result name="TempSenNtsc2" value="" />
    <result name="TempSenNtsc1Dcu" value="" />
    <result name="Ihyb25" value="" />
    <result name="Ihyb125" value="" />
    <result name="Vhyb25" value="" />
    <result name="Vhyb125" value="" />
    <result name="HVbias" value="" />
    <result name="IleakDcu" value="" />
    <result name="Itest" value="" />
  </action>
```

Action Templates 3

apvbasic

```
<action>
        <action_description input_id="536" name="MAPVBASIC"
            object_name="MOD" version="1"/>
       <result name="MAPVBASIC_val" value="" />
        <result name="Tdate" value="" />
        <result name="operator" value="" />
        <result name="tool_id" value="" />
        <result name="status" value="" />
       <result name="apvMode" value="" />
        <result name="pedestal" value="" />
        <result name="noise" value="" />
        <result name="rawnoise" value="" />
        <result name="calA" value="" />
        <result name="chflag" value="" />
      </action>
```

apvdeep

```
<action>
        <action_description input_id="532" name="MAPVDEEP"
            object_name="MOD" version="1"/>
       <result name="MAPVDEEP_val" value="" />
        <result name="Tdate" value="" />
        <result name="operator" value="" />
        <result name="tool_id" value="" />
        <result name="status" value="" />
        <result name="apvMode" value="" />
        <result name="calPApeak" value="" />
        <result name="calSbackplane" value="" />
        <result name="calSled" value="" />
        <result name="chflag" value="" />
    </action>
```

Action Templates 4

sensorbasic

```
<action>
        <action_description input_id="540" name="SENSORBASIC"
          object_name="MOD" version="1"/>
        <result name="SENSORBASIC_val" value="" />
        <result name="Tdate" value="" />
        <result name="operator" value="" />
        <result name="tool_id" value="" />
        <result name="status" value="" />
        <result name="voltageIV" value="" />
        <result name="currentIV" value="" />
        <result name="timeIt" value="" />
        <result name="currentIt" value="" />
    </action>
```

How to store

Save Root file

- **from GUI menu : click SaveResults**
- **from Scenario file: SaveRec 1 (2,3) to the default file (settings.xml) or SaveFile filename to a particular filename**

each Save will increament Record#

2. Analyze results and select records numbers to store to the CentralDb or in Scenario file ín SaveRec tag the records with 1. For the Longterm test at least 3 records are needed 1,2,3.

3. From Gui press SaveToXml and select template file. Last selected record will be populated int xml for each tested object. Standalone use testDb.cpp as an example.

4. Copy modid.res file into results and save fromBigBrowser