The Software Fixture

What does the Software Fixture do?

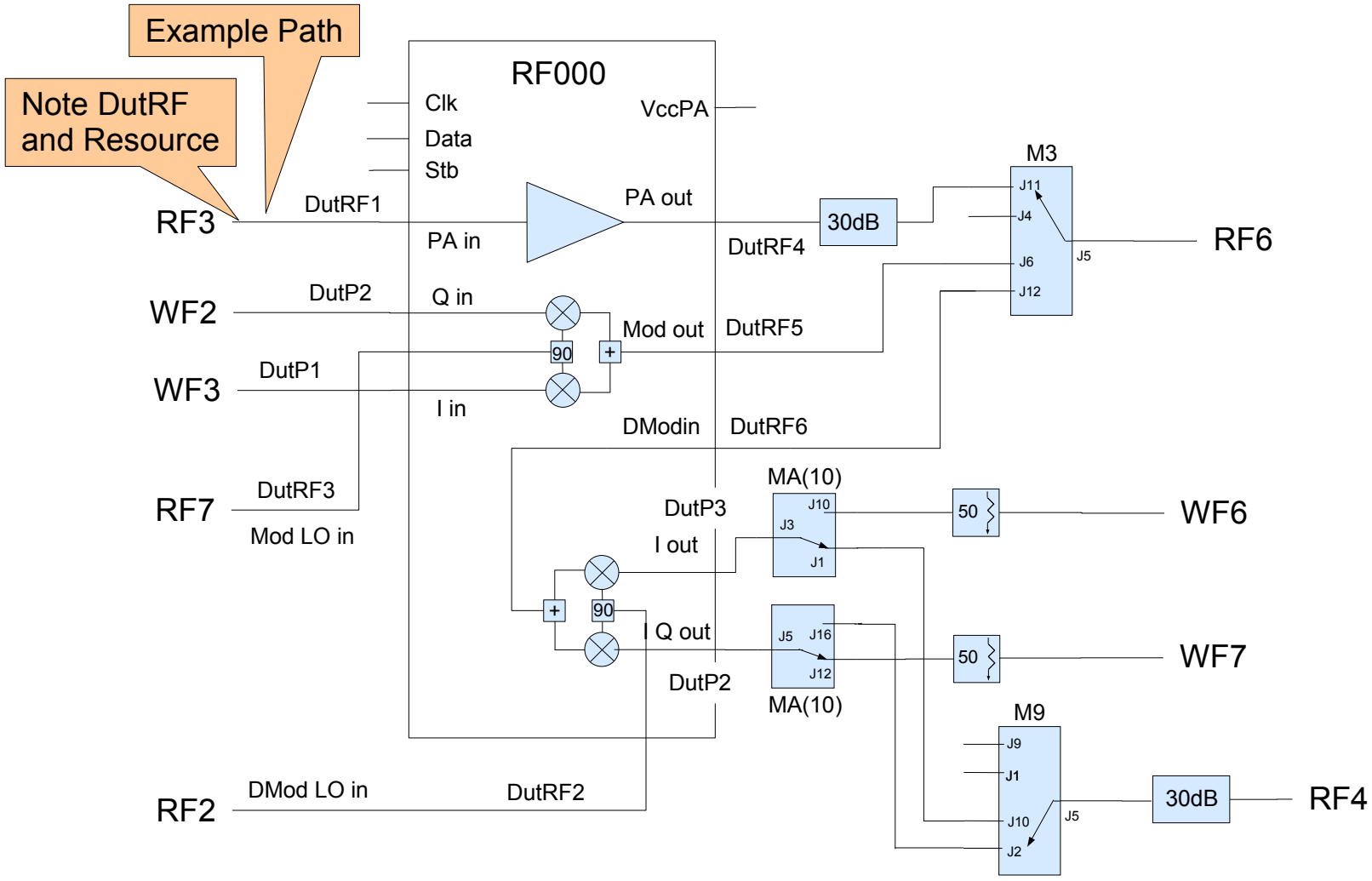
The software fixture provides to the tester the schematic representation of the hardware fixture.

- It provides the proper RF path definitions to which calibration data can be passed and saved.
- It also provides proper configuration settings for any RF switches or signal processing modules that may exist in the fixture.
- The type of calibration required for each DUT Pin Interface is also defined by the software fixture.
- Proper standard calibration routines for each fixture created can also be defined.

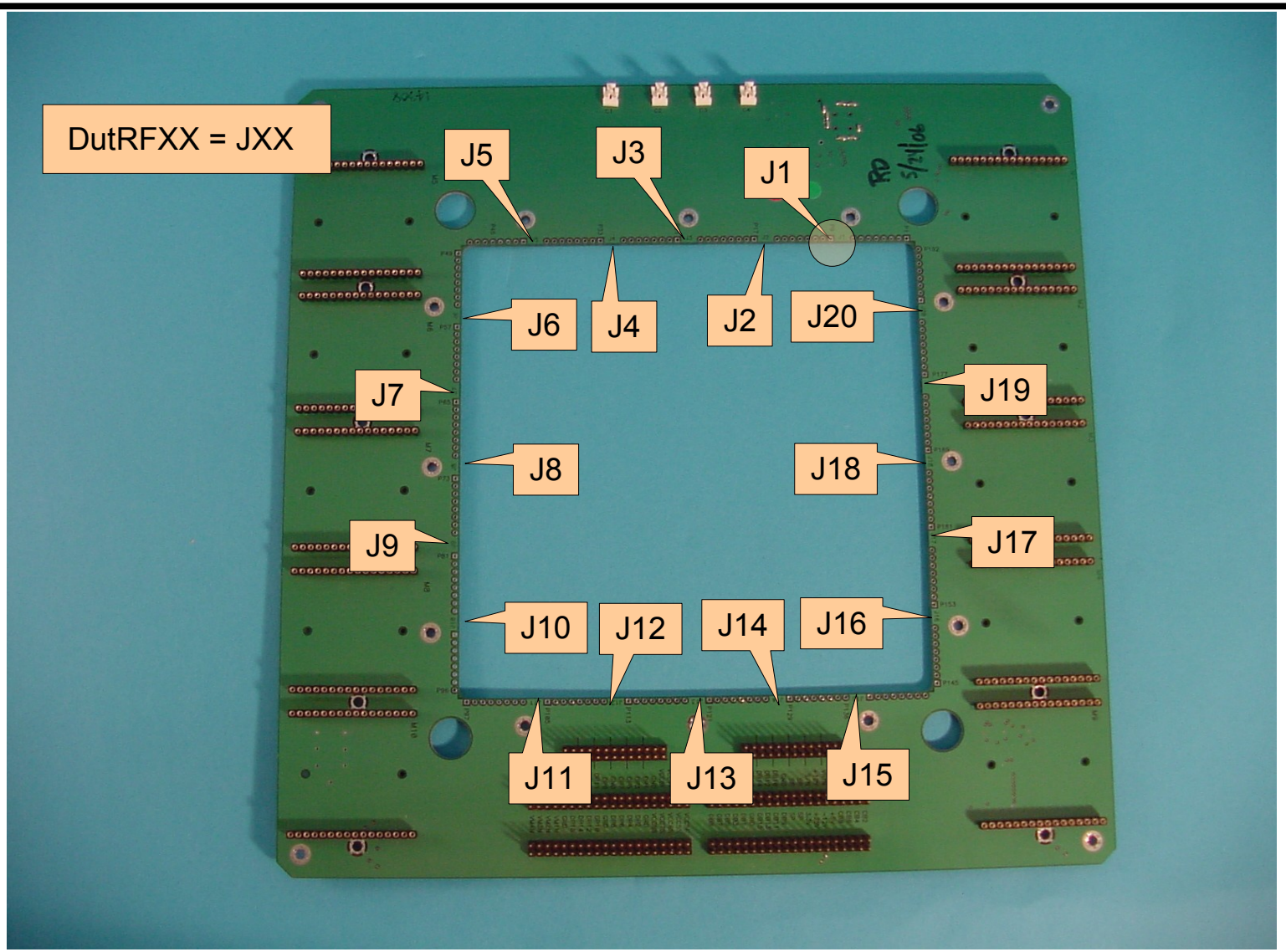
Real Time Example
Creating the RF000 Fixture

- Initial fixture creation
- Defining the path DutRF1/RF3
- Editing the path
  - Mode
  - Switch
  - Description
- Finish Path Definitions for the schematic – student activity.

Student DUT/Fixture

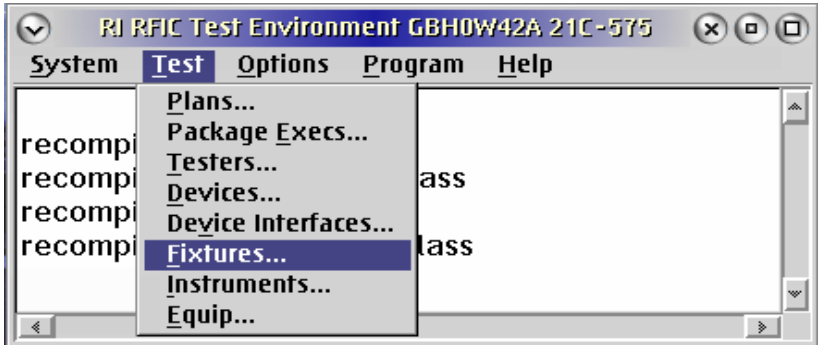


DutRF Locations

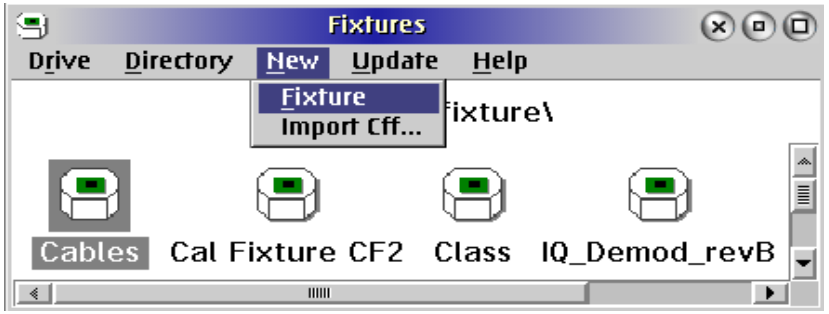


Creating a Software Fixture

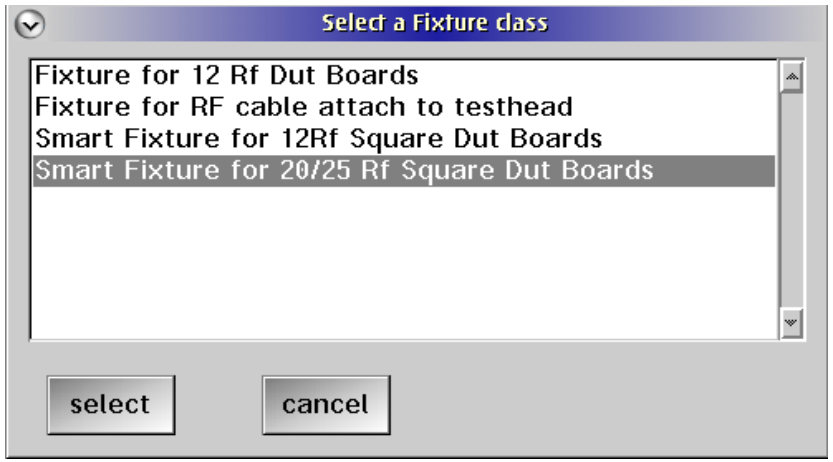
1. From the Test Environment window select “Test – Fixtures”. A fixture window will open.



2. From the “Fixtures” window pull down menu select “New - Fixture”.

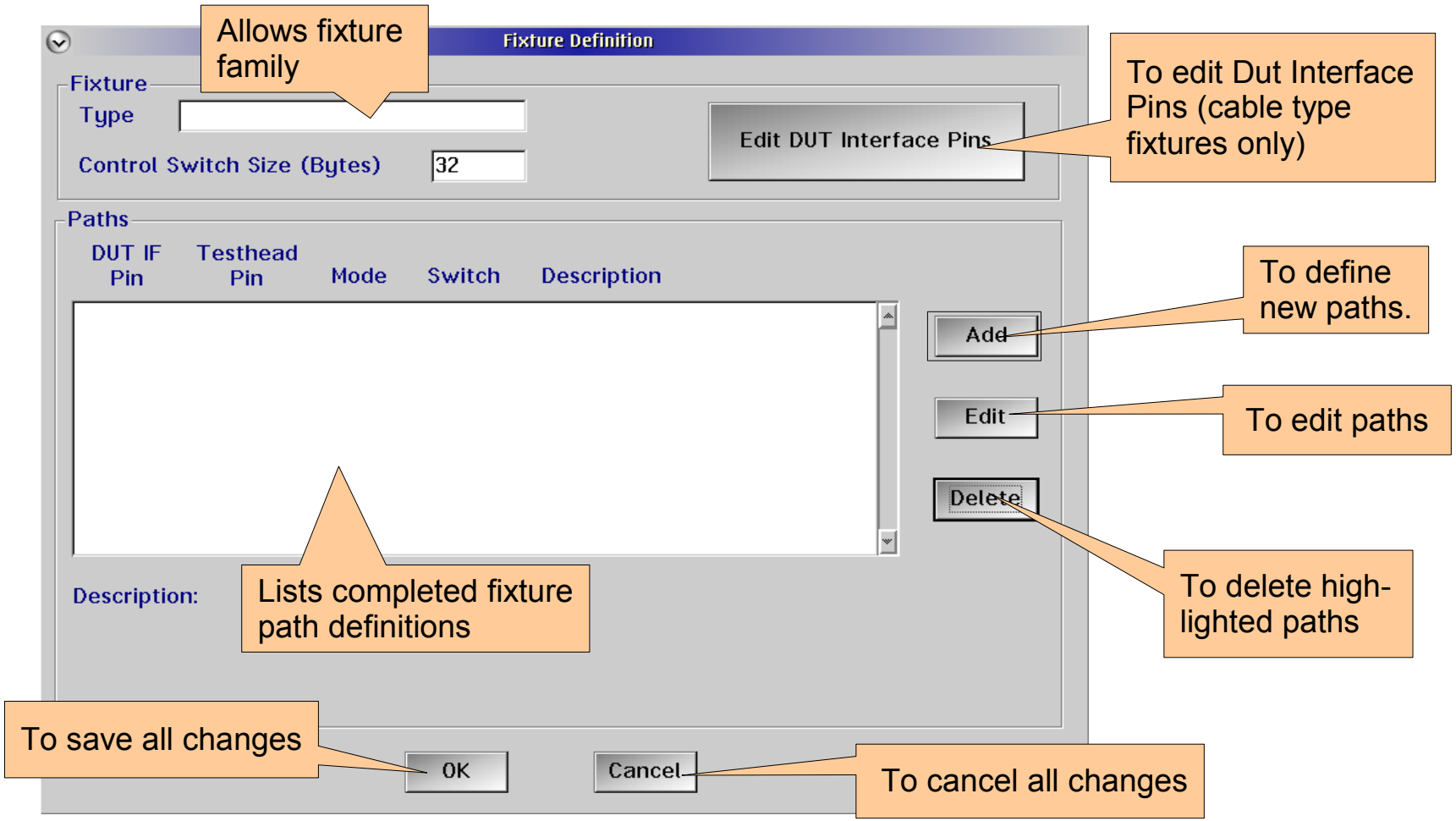


3. You will then be prompted to “Select a Fixture class”. Select the Smart Fixture for 20/25 RF square DUT boards. Name the fixture “RF000” when prompted.



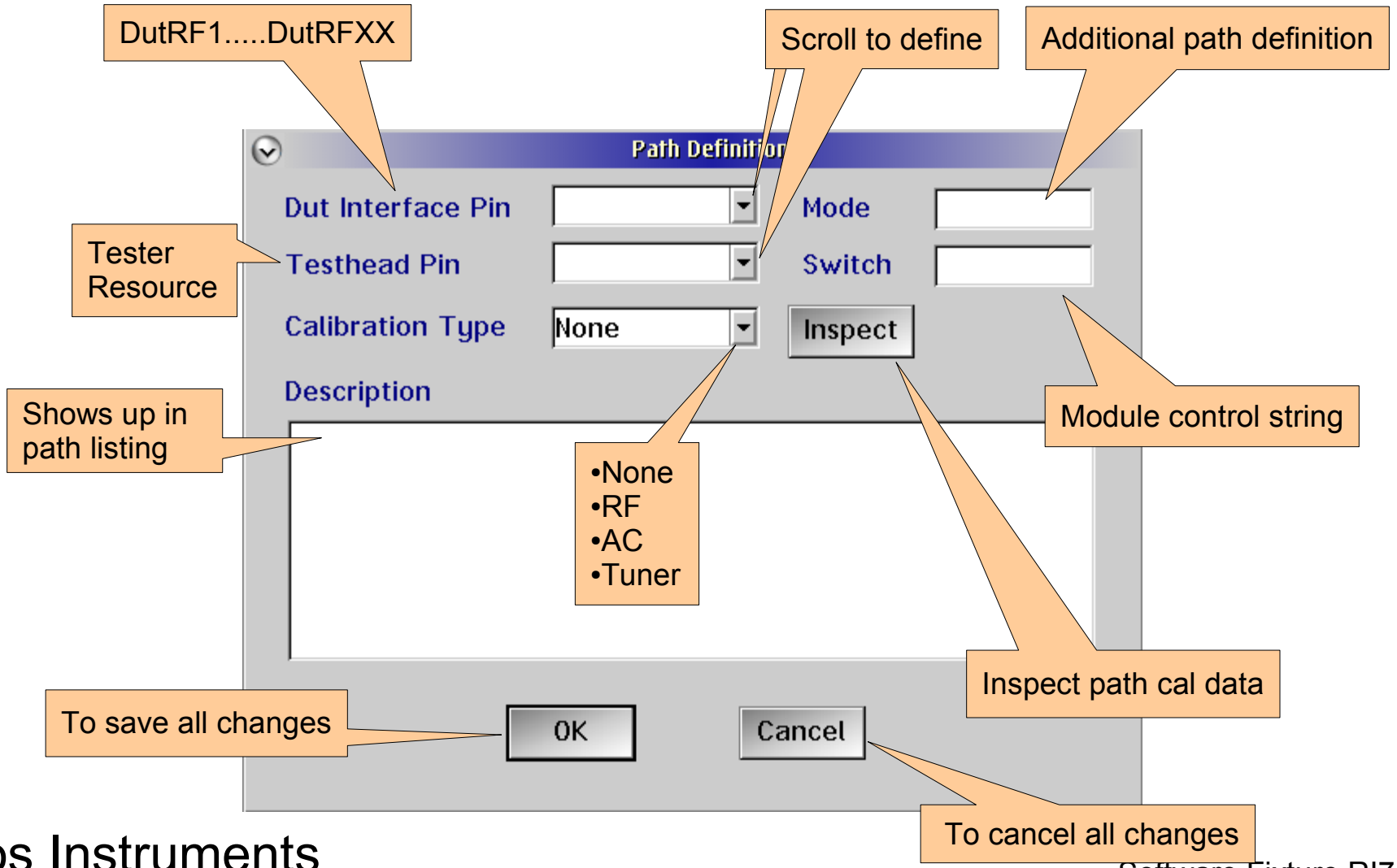
Fixture Path Definition and Editing

1. Highlight the new fixture and use a right mouse button click to get to the fixture pull down menu. From this menu choose “Edit”. A fixture edit window will pop up.

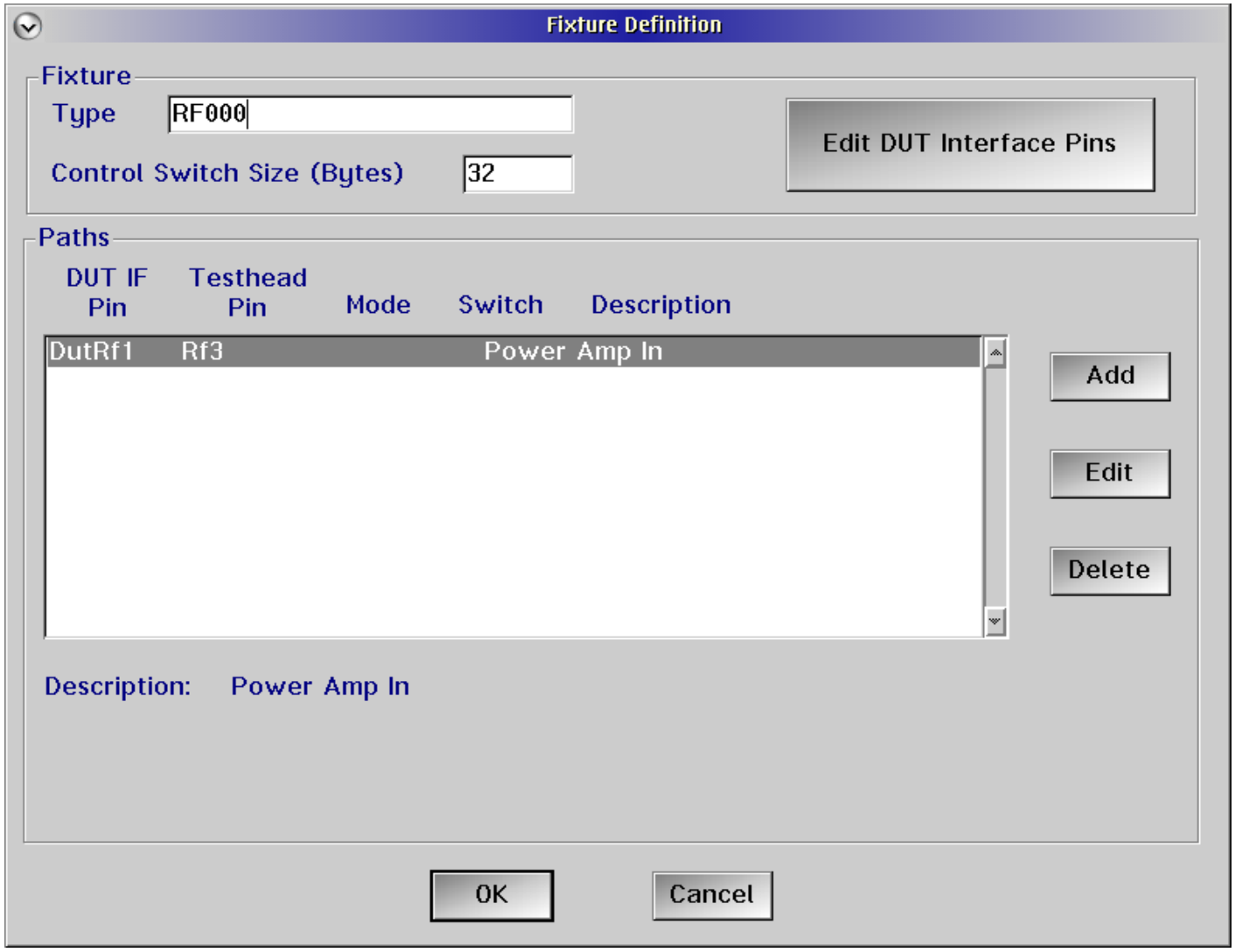


Path Definition Window

2. Choose “Add” to get to the “Path Definition” window.

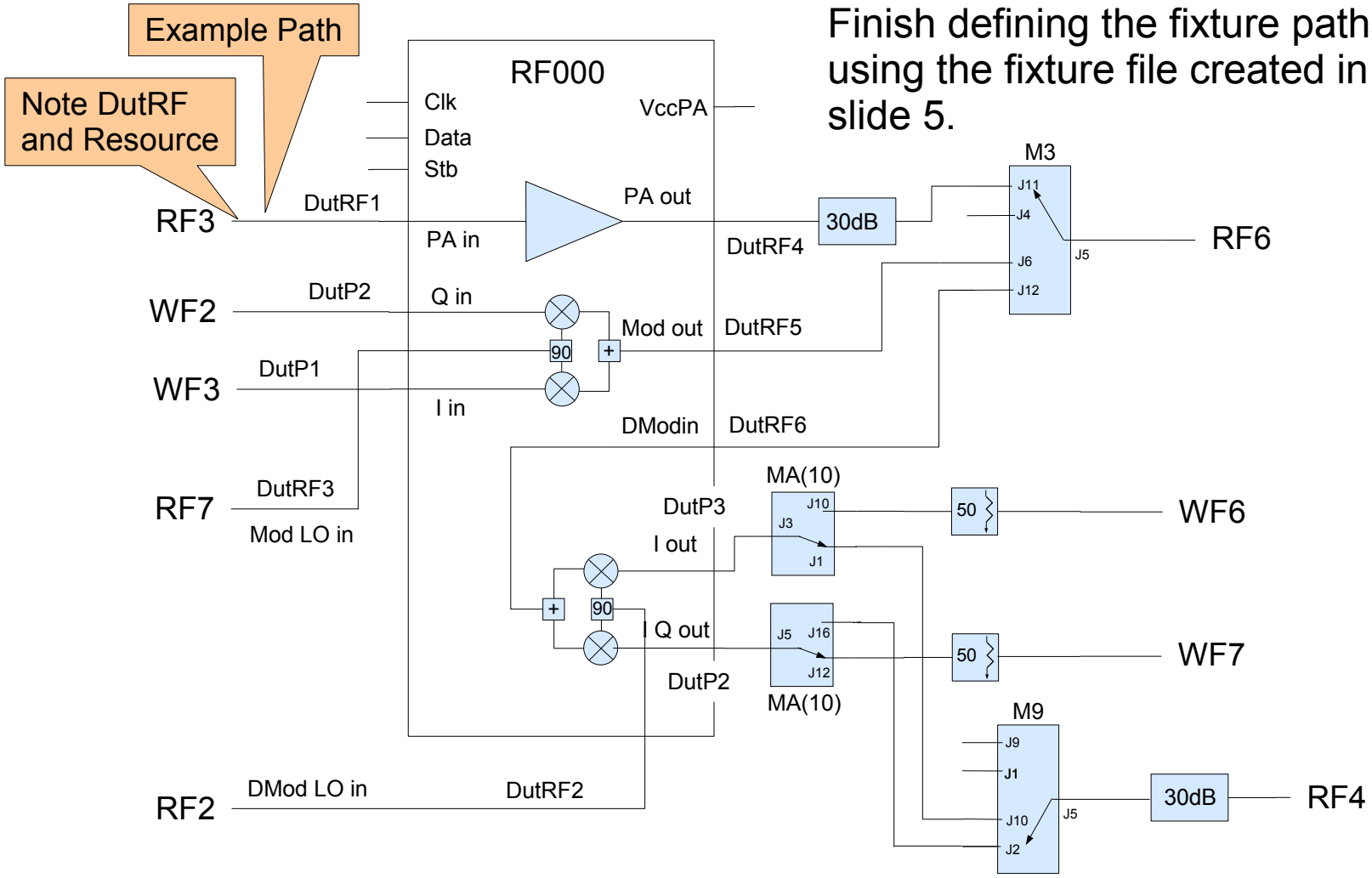


Path Definition Result DutRF1/RF3



Commence Exercise

Finish defining the fixture paths using the fixture file created in slide 5.



Exercise Finished Results