



RIGEL MEDICAL
GMC-INSTRUMENTS GROUP

How do I create templates on Med-eBase for use on the Rigel 288+ and 62353+?

This application note is a guide to enable easy and quick usage of the Rigel 288+/62353+ using templates for specific makes and models of devices which can be uploaded onto the Rigel 288+/62353+ and then the user can enter the device's serial number and run the test without requiring to enter any other details as they are linked to the template.

Equipment required

- Med-eBase software
- PC
- Rigel 288+/62353+
- Required test sequence/user manuals for devices
- Bluetooth or serial communication between PC and Rigel 288+/62353+

Creating the Template using Med-eBase

1) Firstly the template needs to be created in Med-eBase. When Med-eBase is opened select either Edit > Add New Asset or the + icon on the right hand side of the screen.

2) On the Asset details tab the Asset Name and Equipment class need to be entered. The Asset Name should be the name for the template e.g. 1BFI or 12 lead ECG. The select Apply. The description may also be filled in to describe the applied parts. All other fields are device specific and can therefore be added when the template is on the Rigel 288+/62353+ or after

the results are downloaded back into Med-eBase after the testing is complete.

Note: The Asset ID field on the Rigel 288+/62353+ is case sensitive and therefore it is advised to keep names simple and to one case style.

The screenshot shows the 'Asset Details' window with the 'Details' tab selected. The form contains the following fields:

- Asset Name: 1BF1
- Description: NIBP
- Client: (dropdown)
- Site Name: (dropdown)
- Location Name: (dropdown)
- Serial No.: (text field)
- Manufacturer: (dropdown)
- Model: (dropdown)
- Service Code: (dropdown)
- Equipment Class: Class 1
- Test Period: Re-test Period (months): 0, Next Test: No Test Scheduled
- AP Configuration: [1BF]

Buttons at the bottom: Apply, Reset.

3) On the Applied Parts tab the Applied Parts need to be added by selecting the Add icon on the right hand side of the screen.

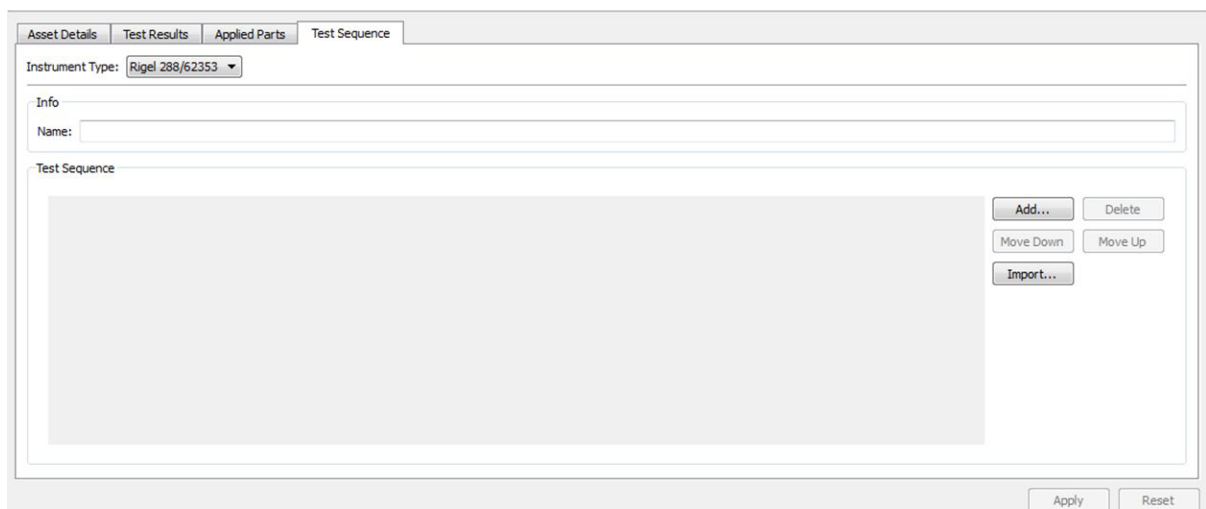
4) Once an Applied Part has been added double click on the required fields to change the Name, Connection Class and Number of Connections. E.g. For 12 Lead ECG there is 10 CF AP. For defibrillators you will need to add another AP as defibs have both CF and BF APs; 2 BF for the paddles and 3

The screenshot shows the 'Asset Details' window with the 'Applied Parts' tab selected. On the left, there is a 'Connections' panel with a grid of buttons numbered 1 to 10. Button 1 is highlighted in red. In the center, there is a table with the following data:

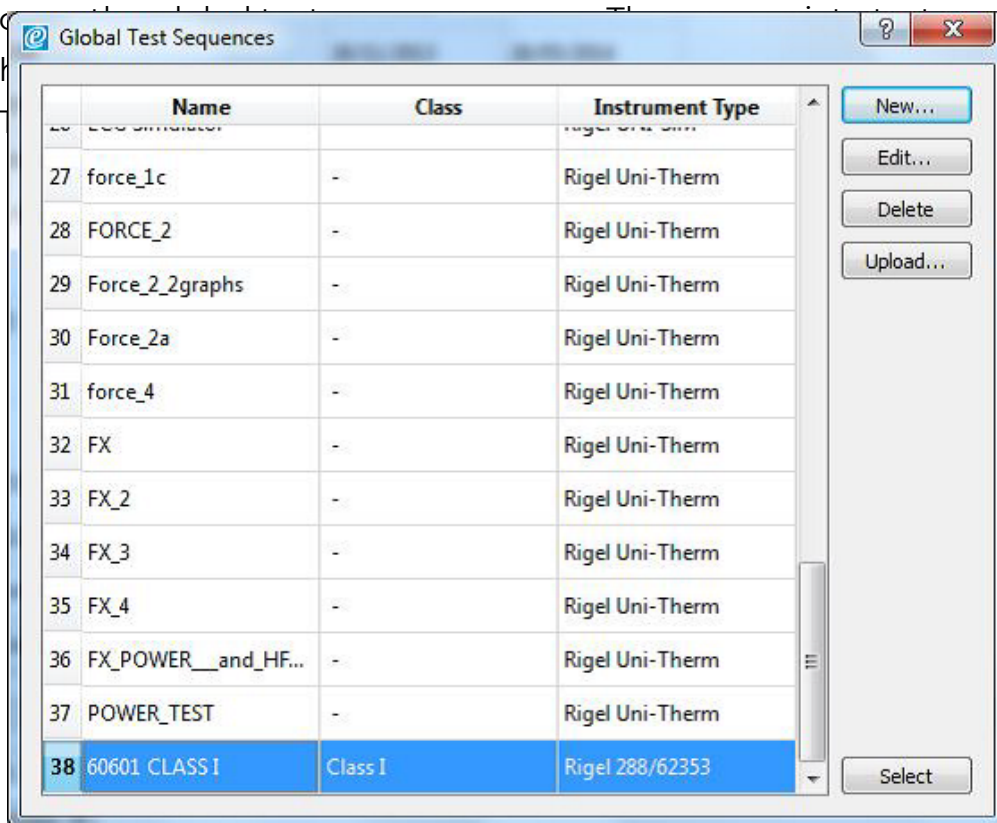
Name	Connection Class	Num Connections
New Ap Module	Type BF	1

On the right side of the table, there are buttons: Add, Remove, Move Up, and Move Down. At the bottom right, there are buttons: Apply and Reset.

5) On the Test Sequence tab make sure that the Instrument Type is Rigel 288+/62353+. The test sequence to be performed needs to be added or imported in this tab.



6) Global test sequences can be imported using the Import... icon which will



7) Alternatively tests can be added to create a sequence using the Add... icon. Move down, Move Up and Delete allows the user to organise the test sequence as desired.

Note: Holding down Ctrl when selecting multiple tests allows them to be

added simultaneously. The tests will be added in the order they were select and can therefore may creating a test sequence easier

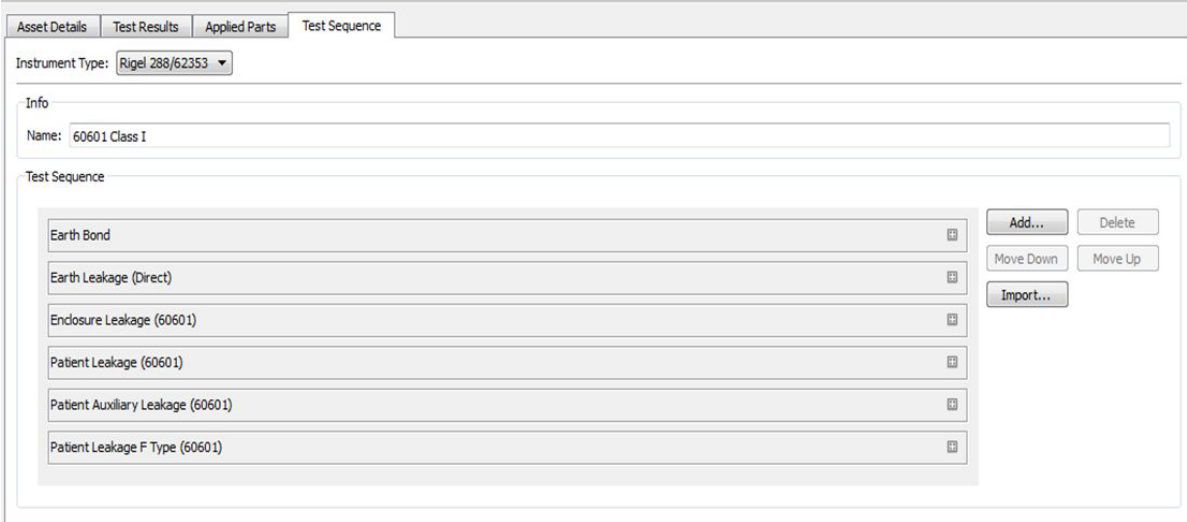
8) The Name selected in the Info field will be the test name given on PDF and certificates once the test results are downloaded.

E.g. 60601 Class 1 or 12 lead ECG class 1.

9) When complete select Apply to save changes.

Upload the template onto the Rigel 288+

Note This feature is only compatible with Rigel 288+ devices that have firmware Version 5 and higher. Please see application note 0029 on how to upgrade Rigel 288+ Firmware for this feature to be available.

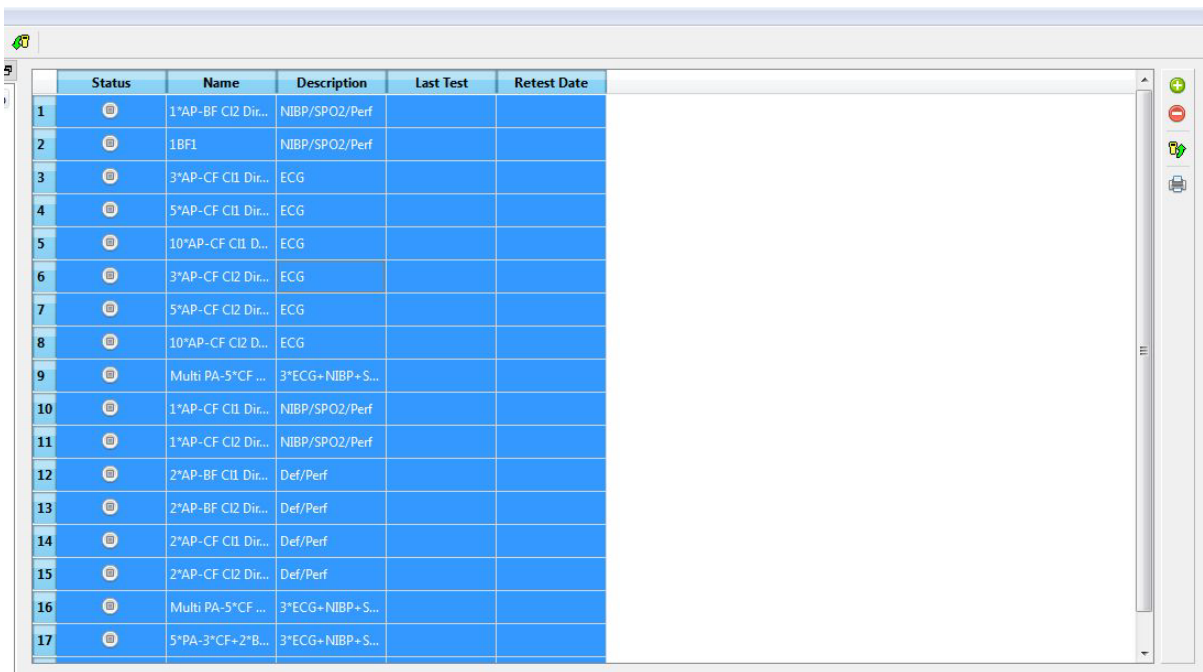


The screenshot shows the 'Test Sequence' tab of the Rigel 288+ software. At the top, there are tabs for 'Asset Details', 'Test Results', 'Applied Parts', and 'Test Sequence'. Below the tabs, the 'Instrument Type' is set to 'Rigel 288/62353'. The 'Info' section has a 'Name' field containing '60601 Class I'. The 'Test Sequence' section contains a list of tests: 'Earth Bond', 'Earth Leakage (Direct)', 'Enclosure Leakage (60601)', 'Patient Leakage (60601)', 'Patient Auxiliary Leakage (60601)', and 'Patient Leakage F Type (60601)'. To the right of the list are buttons for 'Add...', 'Delete', 'Move Down', 'Move Up', and 'Import...'. Each test in the list has a small icon to its right.

1) Firstly ensure that the PC and Rigel 288+ are connected either via RS 232 cable or Bluetooth.

2) Go to F4 > Data Transfer> Upload from PC> F4 tick to confirm

3) On Med-eBase select the Asset Template so that is it highlighted.
Alternatively hold down Ctrl to add multiple assets or Ctrl A to select all.



	Status	Name	Description	Last Test	Retest Date
1		1*AP-BF CI2 Dir...	NIBP/SPO2/Perf		
2		1BF1	NIBP/SPO2/Perf		
3		3*AP-CF CI1 Dir...	ECG		
4		5*AP-CF CI1 Dir...	ECG		
5		10*AP-CF CI1 D...	ECG		
6		3*AP-CF CI2 Dir...	ECG		
7		5*AP-CF CI2 Dir...	ECG		
8		10*AP-CF CI2 D...	ECG		
9		Multi PA-5*CF ...	3*ECG+NIBP+S...		
10		1*AP-CF CI1 Dir...	NIBP/SPO2/Perf		
11		1*AP-CF CI2 Dir...	NIBP/SPO2/Perf		
12		2*AP-BF CI1 Dir...	Def/Perf		
13		2*AP-BF CI2 Dir...	Def/Perf		
14		2*AP-CF CI1 Dir...	Def/Perf		
15		2*AP-CF CI2 Dir...	Def/Perf		
16		Multi PA-5*CF ...	3*ECG+NIBP+S...		
17		5*PA-3*CF+2*B...	3*ECG+NIBP+S...		

4) Right click and select upload or select the upload icon from the right hand side of the screen or go to Tools> Upload

5) Select the correct Instrument Type from the drop down list. The Default baud rate for the Rigel 288+ is 57600. Select the correct COM port which is the Bluetooth connection (you may need to look at your Bluetooth properties to check the correct COM port) or COM 1 if using a RS 232 serial cable.

6) Select Ok and once the Bluetooth icon appears in the right corner of the Rigel 288+ select Ok to start the upload.

To use the template on the Rigel 288+/62353+

1) Switch on the Rigel 288+ / 62353+ and press Menu (F4) and then Auto Mode.

2) In the asset ID field type in the Template Name e.g. "1BF1 or 12 Lead ECG" and select F4 to confirm. This will then take you to the Retest existing Test date? Screen which recognises the set up from the template uploaded from Med-eBase.

Asset Details	
User Name	Admin
Asset ID	ECGI
Test Code	
	60601 - Class I <>
Run Mode	Semi-Automatic <>
Test Period (months)	2
<div> ↑ 🗑️ ✖ ← </div>	

I

3) You can now edit the Asset ID field with the Asset Number of the specific confirm.

Reload existing Test data?	
Tested by	
Asset ID	ECG
	60601- Class I
Tested on	01 Jan 1970
Run Mode	Semi-Automatic <>
Test Period (months)	2
<div> ✖ ✓ </div>	

II

Reload existing Test data?	
Tested by	
Asset ID	1458I
	60601- Class I
Tested on	01 Jan 1970
Run Mode	Semi-Automatic <>
Test Period (months)	2
<div> ↑ 🗑️ ✖ ← </div>	

II

4) The asset trace variables for the device under test can also be entered. When complete select F4 to confirm and start the test.

If you require more help, please contact us at
<https://www.seaward.com/gb/enquire/>.