

**ICAO 9625 App**

**Simplifying the FCS**  
(FSTD Capability Signature)



# SIM OPS

## SOLUTIONS



# Using the App

1. Login and main pages

# Home Screen



1. On welcome page select Login



# Login page

1. Either login with email and password if already registered



Or

2. Register a new account for first time use



Links are also available to reset password if forgotten and to change password



# Main index – page features

After login, the app will automatically default to the My Training/Training Setup page with all fields cleared.

1. The tool bar at the bottom of every screen enables switching between the 5 main pages of the app...

- *My Training*
- *My Simulator*
- *FSTD Summary*
- *Glossary*
- *About*



# Using the App

2. Determine FCS Based on Training needs

# My Training/Training Setup - page features

## 1. Enables selection of ...

- *Licensing/Training Type*
- *Training(T)* or *Training to Proficiency(TP)*



## 2. *Simulator Information* panel ...

- displays *Default FCS* for training/license type selected
- displays *FSTD Type* corresponding to the *Default FCS*
  - Types I to VII or Custom as applicable
- displays option to view all *Training Tasks Based on Default FCS*
- displays option to *Build Unique FCS* based on selecting only specific training tasks



# My Training/Training Setup

## - Example MPL1(T)

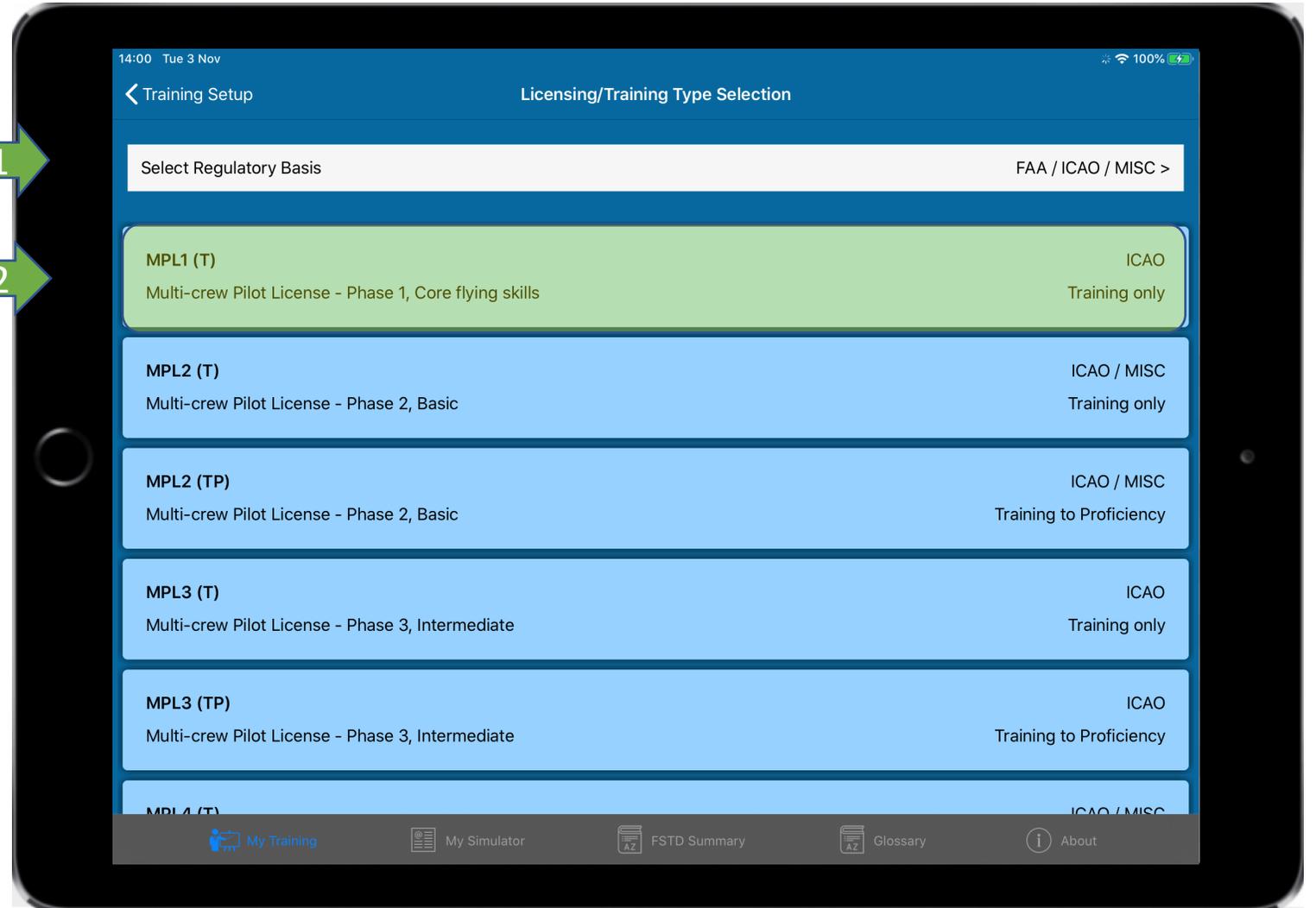
1. Select the regulatory basis from the list available:-

- ALL
- FAA
- ICAO
- MISC

2. EXAMPLE:

Let's select **MPL1 (T)**

*Note there is no TP for MPL1 as this is achieved in the aircraft usually*



# My Training/Training Setup

## - Example MPL1(T)

### 1. MPL1 (T) is selected

- ICAO
- Training only



### 2. Simulator Information panel ...

- Shows **Default FCS** required for MPL1(T)
  - R.R.R.R.R1: G.G.N: G.S.G.G
- Shows **FSTD Type**
  - Type I



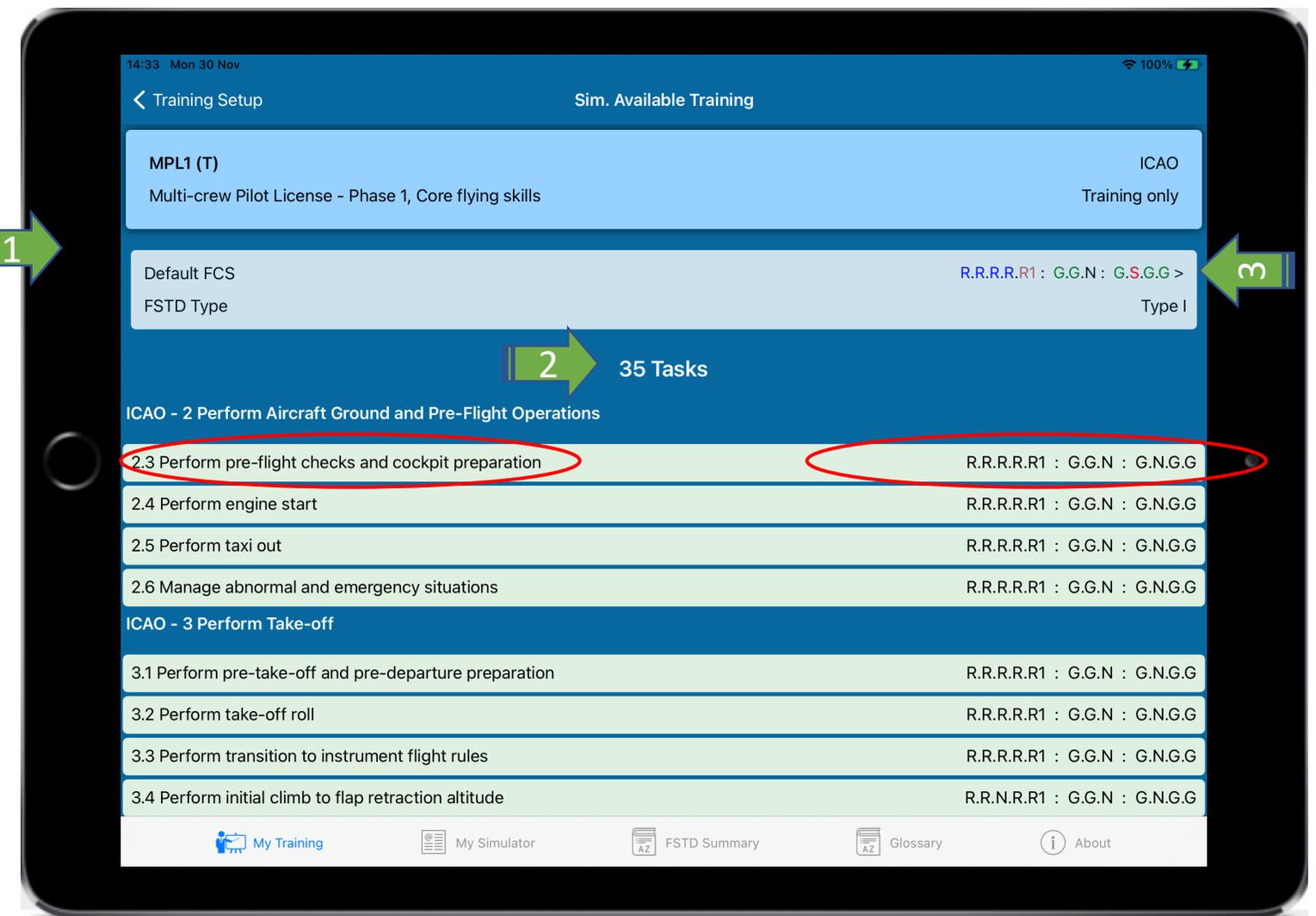
### 3. Select **View Training Tasks** to see all related training tasks based on the default FCS for ICAO/MPL1 (T)



# My Training/Training Setup/Sim. Available Training

## - Example MPL1(T)

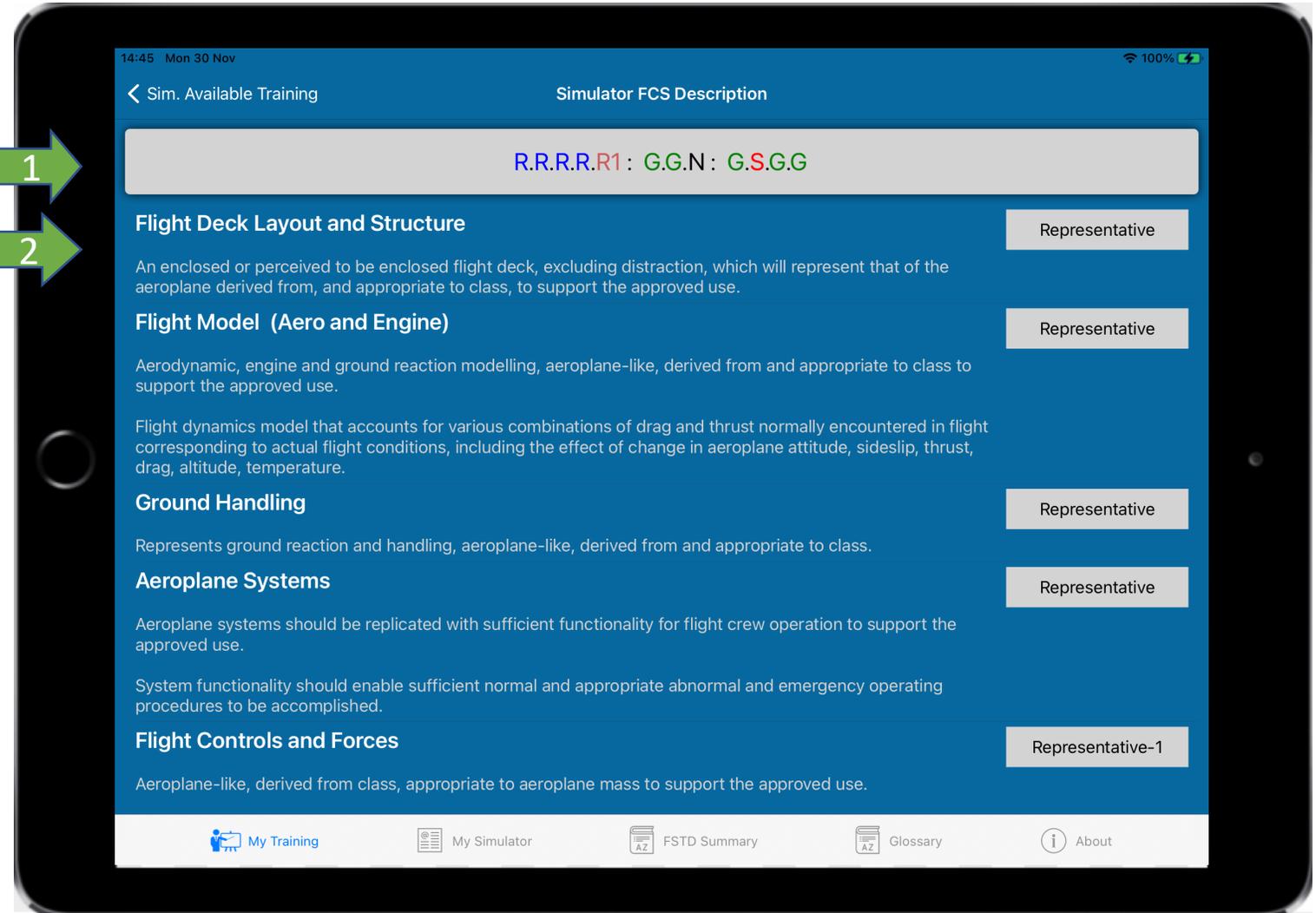
- ICAO *MPL1 (T)* is selected and ...
  - Shows the rolled up *Default FCS* required for *MPL1(T)* for all training tasks
    - R.R.R.R.R1: G.G.N: G.S.G.G
  - Shows *FSTD Type*
    - Type I
- All MPL1 (T) tasks shown (*35 Tasks*), as a scrollable list in black, with the individual FCS for each task indicated
- Now, select the ">" at the end of the *Default FCS* to view the FCS high level requirements



# My Training/Training Setup/Simulator FCS Description

## - Example MPL1(T)

- Shows the “rolled up” *Default FCS* required for MPL1(T) for all training tasks
  - R.R.R.R.R1: G.G.N: G.S.G.G
- Shows the FCS high level requirements for each of the 12 FSTD features and associated fidelity level as per the Default FCS displayed at top of page.
  - As per ICAO 9625 Part III Appendix A
  - Swipe down the page to see all features



# Using the App

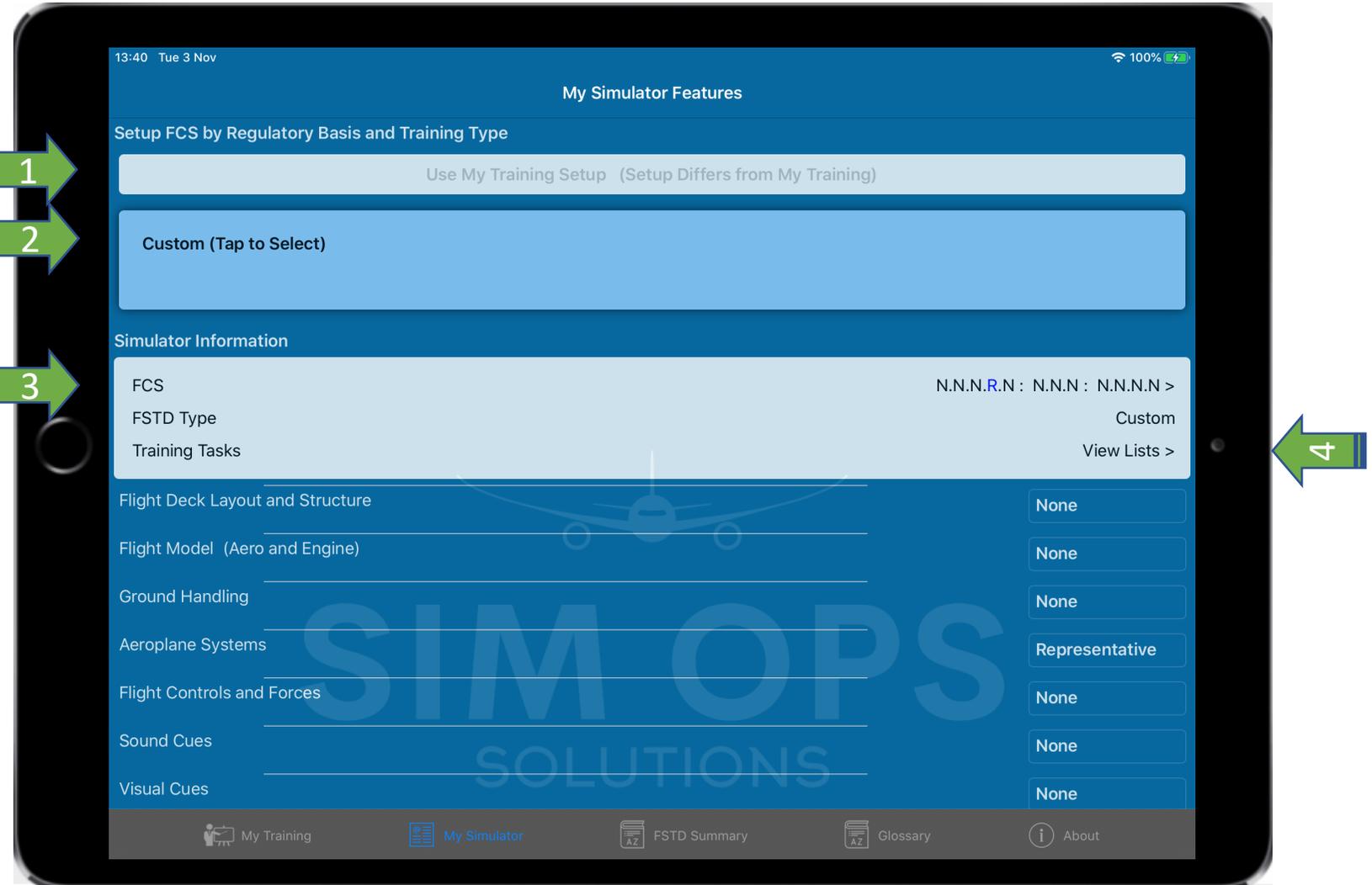
3. Determine Training Capabilities Based upon FCS

# My Simulator/ My Simulator Features - Page Features

This page enables you to enter a unique FCS and find the applicable Training Tasks.

This can be done in 3 different ways, either:-

1. Select **Use My Training Set Up**
  - Copies FCS from My Training page
2. Select **Custom**
  - **Displays License/Training Type** list
3. Input unique **FCS** directly...
  - Select each FSTD feature in turn in the list below
  - Select the level of fidelity for the feature that the FSTD has or will have
4. **Training Tasks** applicable to the FCS can then be viewed by selecting **View Lists>**



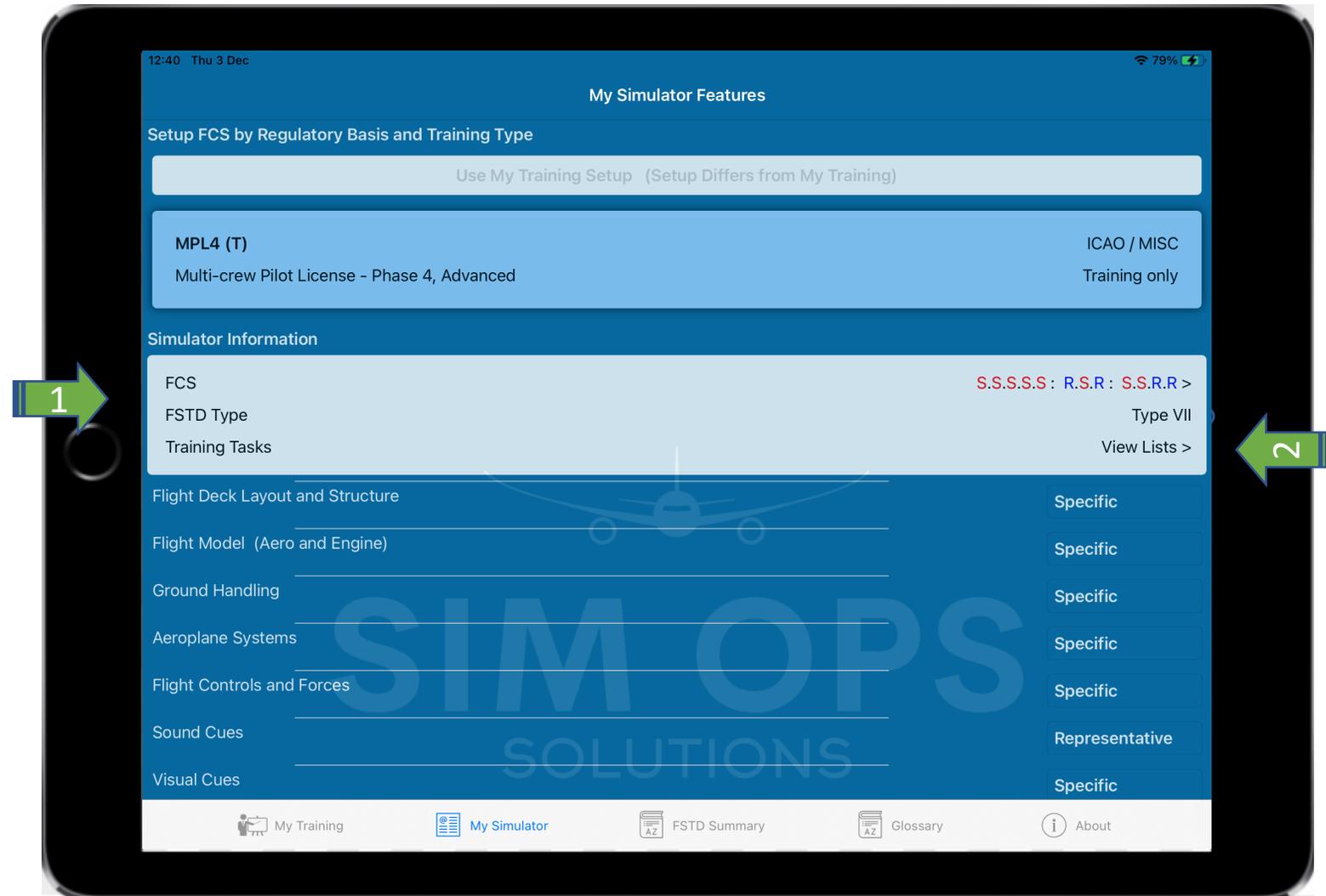
# My Simulator/ My Simulator Features

## - Example Type VII

### Example –

- Input FCS for Type VII device ...
  - S.S.S.S.S : R.S.R : S.S.R.R
  - FSTD Type is now VII as FCS corresponds to defined ICAO FSTD type.

- Now select “View Lists” in Simulator Information pane.

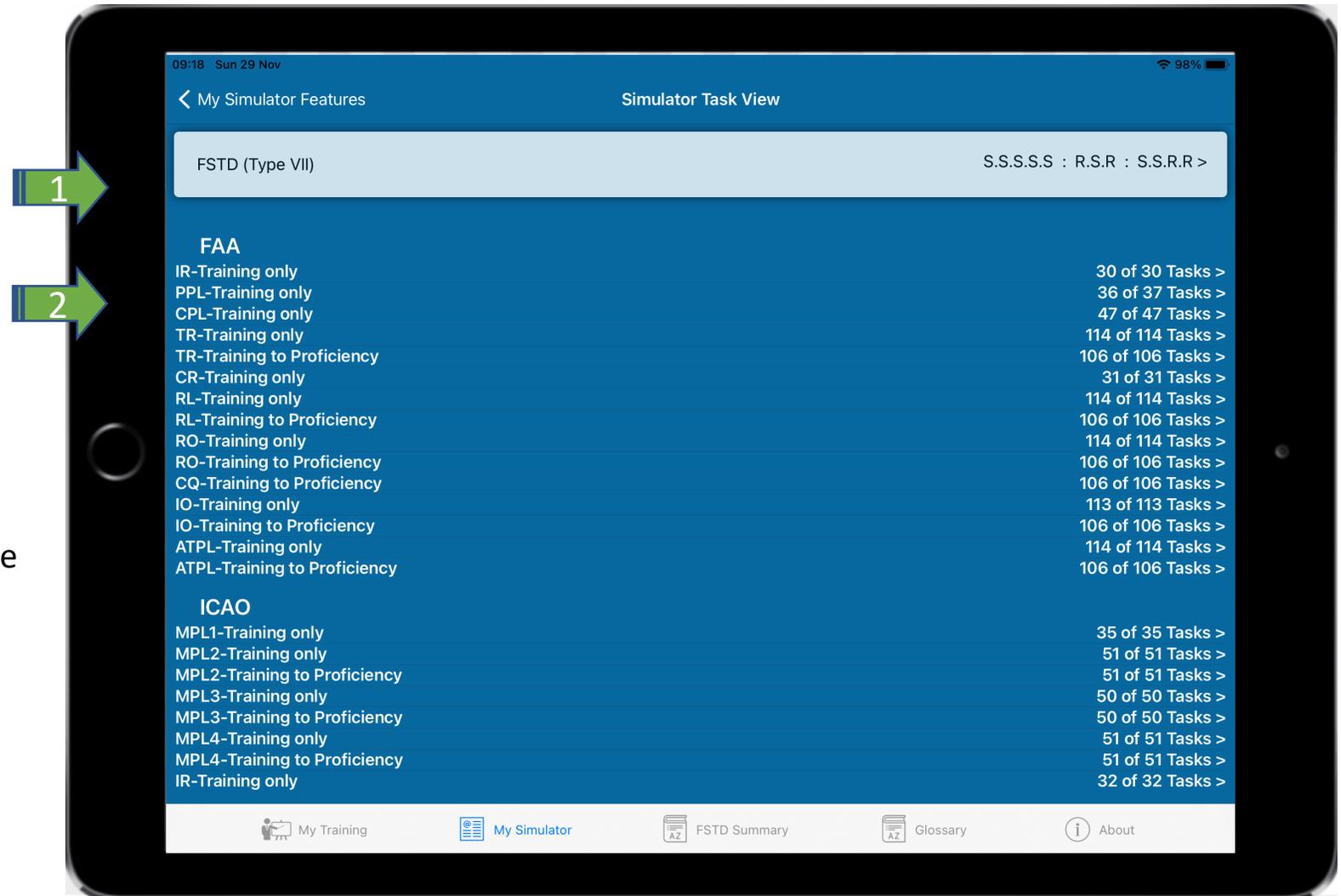


# My Simulator/ My Simulator Features/Simulator Task View - Example Type VII

The *Simulator Task View* pane appears showing:

1. *FSTD (Type VII)* and the relevant FCS
  - S.S.S.S.S : R.S.R : S.S.R.R
2. A scrollable list of all the training tasks that can be achieved with this FCS
  - As per ICAO 9625 Vol 1 Part I

Now let's see what happens if we don't have a standard FSTD Type but instead have a custom FCS instead....

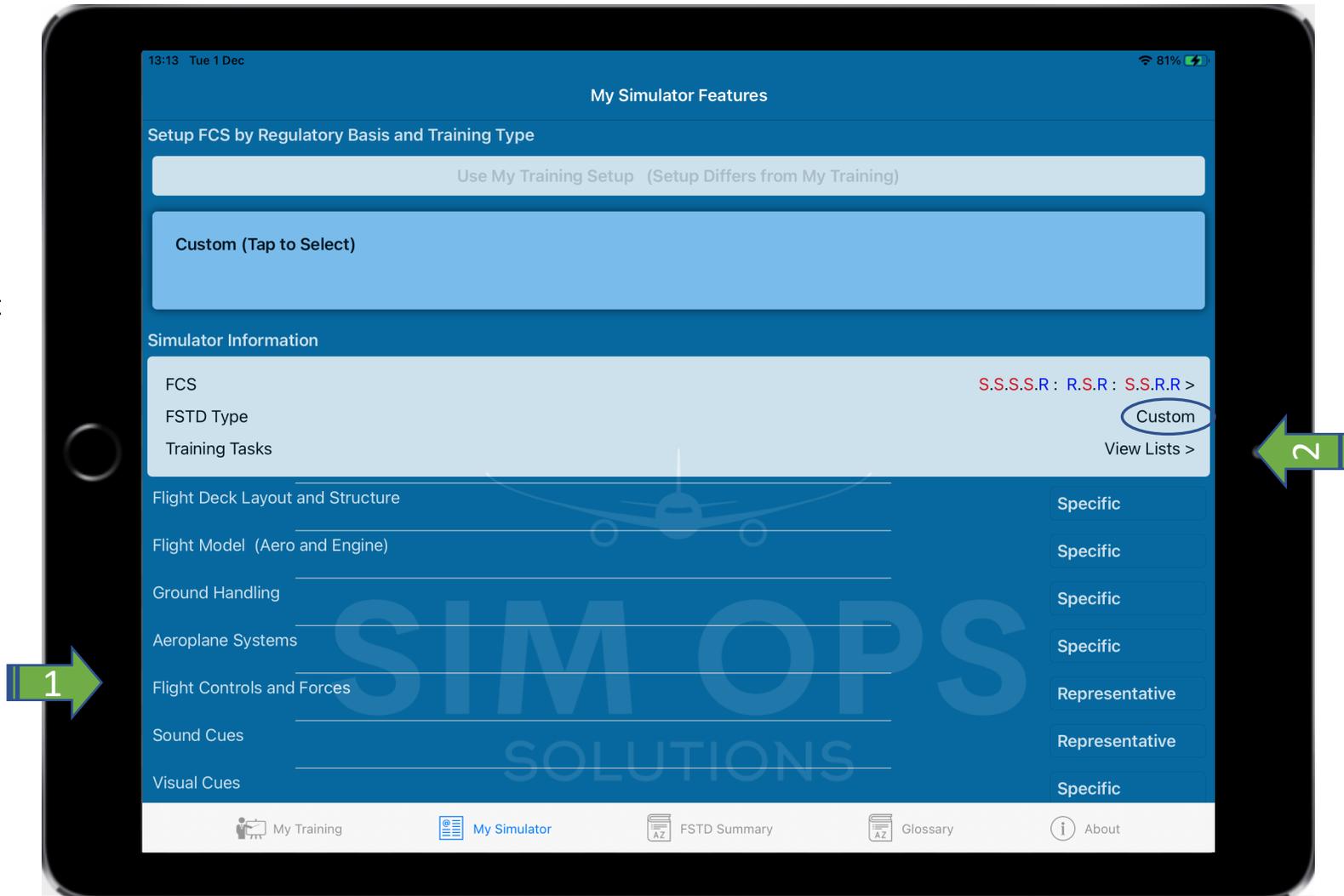


# My Simulator/ My Simulator Features

## - Example Custom Type

### Example –

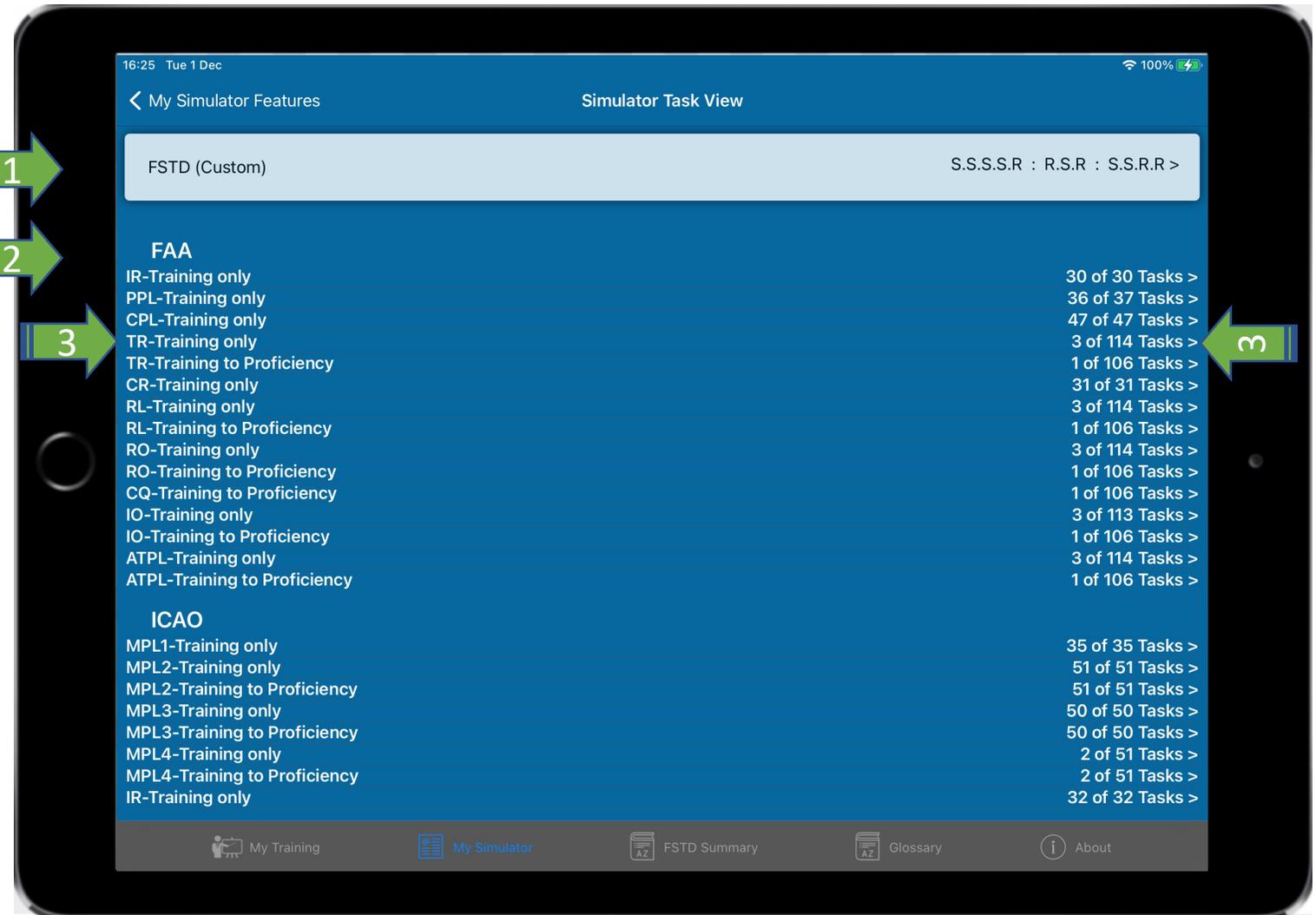
- Now change FSTD feature *Flight Controls and Forces* to “R” instead of “S” fidelity level...
  - S.S.S.S.R : R.S.R : S.S.R.R
  - FSTD Type is now *Custom* as FCS does not correspond to a defined ICAO FSTD type.
- Now select “*View Lists*” in Simulator Information pane.



# My Simulator/ My Simulator Features/ Sim. Available Training - Example Custom Type

The *Simulator Task View* pane appears showing:

1. **FSTD (Custom)** and the relevant FCS
  - S.S.S.S.R : R.S.R : S.S.R.R
2. A scrollable list of all the training tasks for the various license types that can be achieved with this custom FCS
  - As per ICAO 9625 Vol 1 Part I
3. Look at **TR – Training only**
  - With this Custom FCS only 3 of 114 tasks are possible
4. Select “**3 of 114 Tasks>**”



# My Simulator/ My Simulator Features/ Sim. Available Training - Example Custom Type

The *Sim. Available Training* pane appears showing:

1. Training type is **TR(T)** FAA Training only

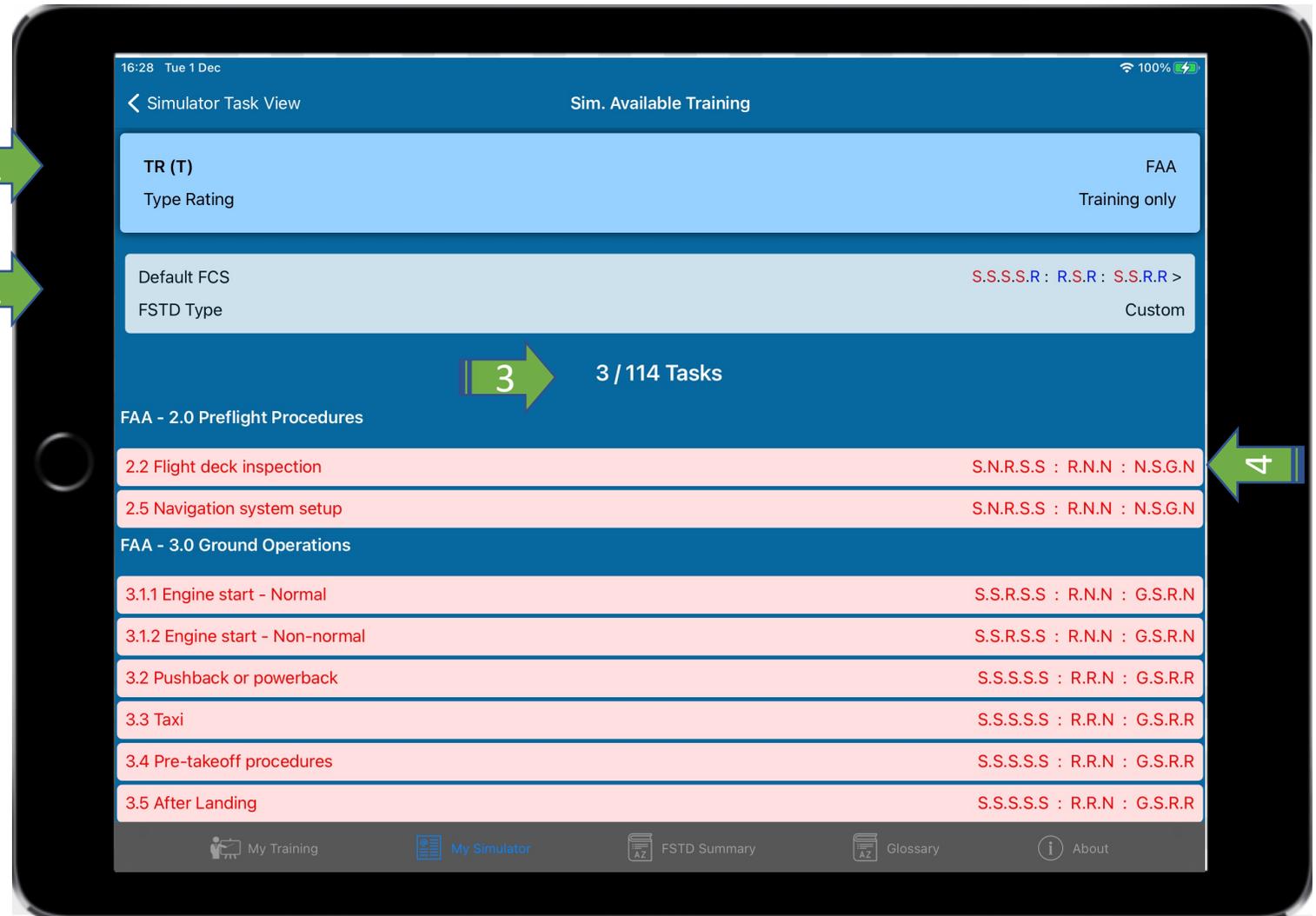
2. **Default FCS** and **FSTD Type** still shown

- **S.S.S.S.R** : **R.S.R** : **S.S.R.R**
- **FSTD Type** is now **Custom** as FCS does not correspond to a defined ICAO FSTD type.

3. Only “**3 of 114 Tasks**” are possible

4. All tasks are shown in scrollable list

- Tasks in **red** cannot be achieved with this custom FCS
  - As flight controls fidelity is R and not S
- Only tasks in black can be achieved with this custom FCS



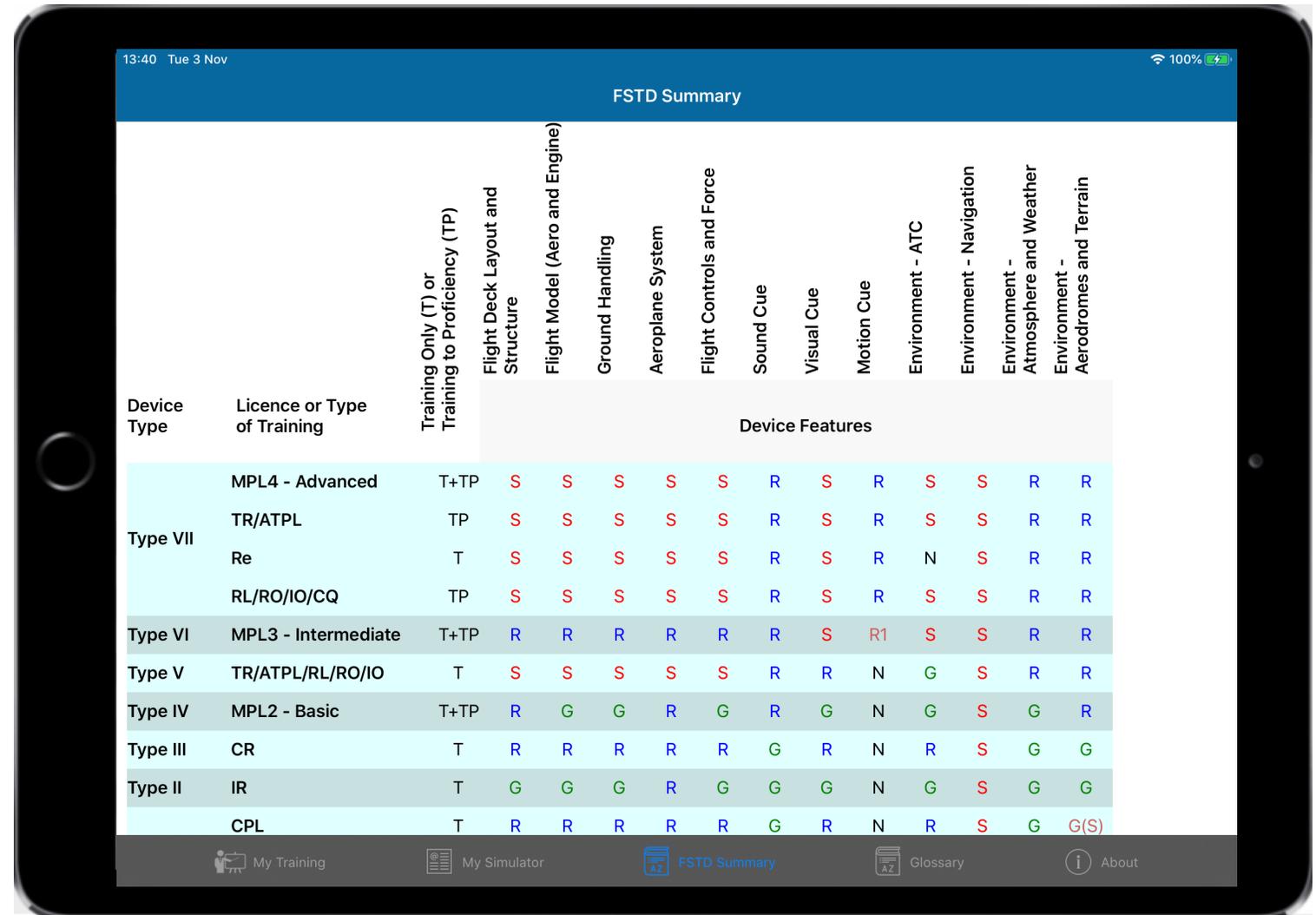
# Using the App

4. Other pages

# FSTD Summary Page

This page is a static scroll down page and shows...

- The FSTD summary matrix from ICAO 9625 Ed4
- Applicable notes and comments for special cases regarding:
  - Type I
    - CPL and PPL VFR requirements
  - Type VI
    - Motion requirements
  - Environment – ATC
    - applicability



The image shows a tablet displaying the FSTD Summary matrix. The screen shows the title 'FSTD Summary' at the top, the time '13:40 Tue 3 Nov', and battery status '100%'. The matrix is a table with columns for Device Type, Licence or Type of Training, and various training features. The features are: Training Only (T) or Training to Proficiency (TP), Flight Deck Layout and Structure, Flight Model (Aero and Engine), Ground Handling, Aeroplane System, Flight Controls and Force, Sound Cue, Visual Cue, Motion Cue, Environment - ATC, Environment - Navigation, Environment - Atmosphere and Weather, and Environment - Aerodromes and Terrain. The rows represent different device types and licence types, with cells containing 'S' (Satisfactory), 'R' (Required), 'N' (Not Applicable), 'G' (Good), and 'G(S)' (Good with Special). A bottom navigation bar includes icons for My Training, My Simulator, FSTD Summary (active), Glossary, and About.

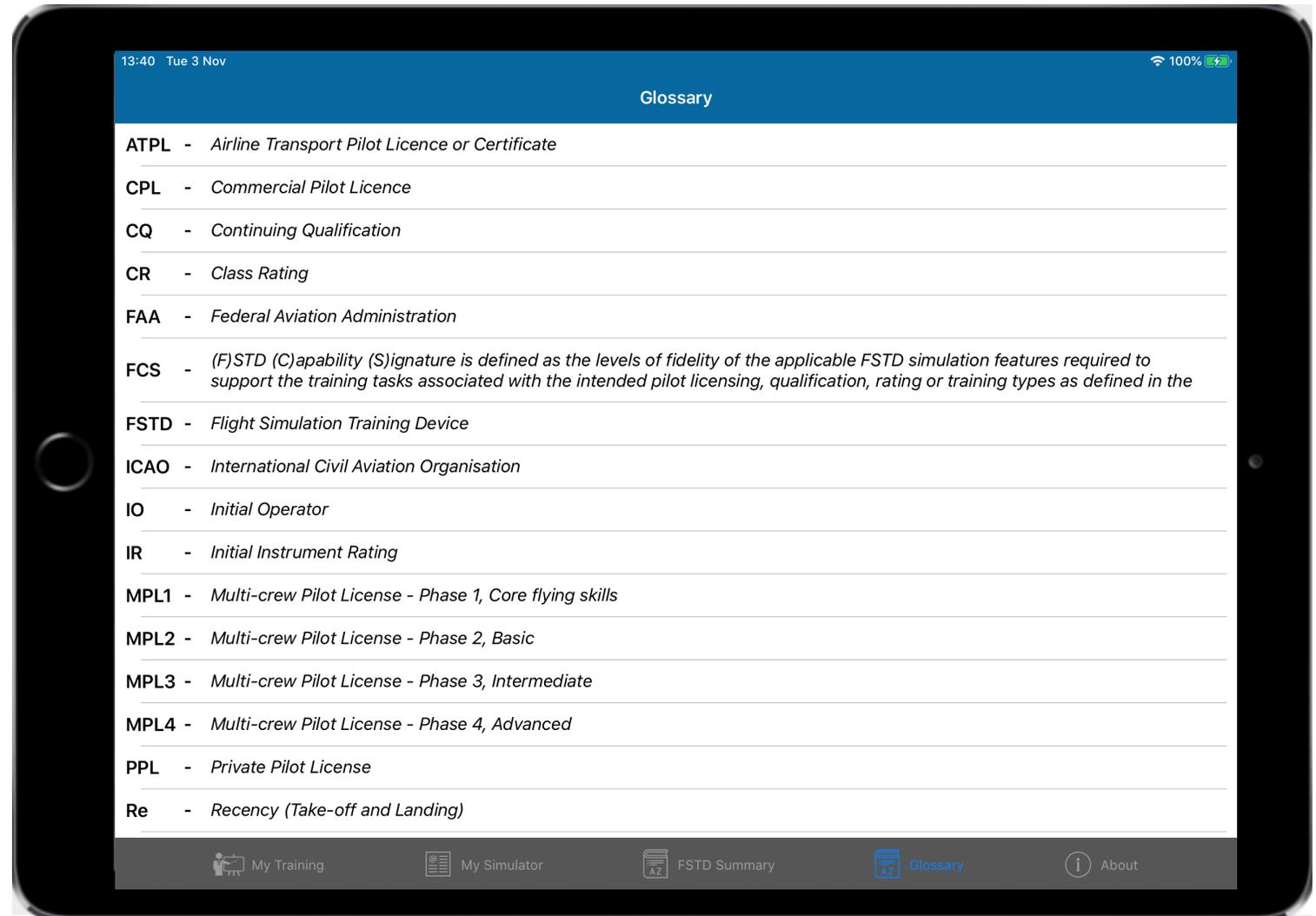
Device Type	Licence or Type of Training	Training Only (T) or Training to Proficiency (TP)	Flight Deck Layout and Structure	Flight Model (Aero and Engine)	Ground Handling	Aeroplane System	Flight Controls and Force	Sound Cue	Visual Cue	Motion Cue	Environment - ATC	Environment - Navigation	Environment - Atmosphere and Weather	Environment - Aerodromes and Terrain
Type VII	MPL4 - Advanced	T+TP	S	S	S	S	S	R	S	R	S	S	R	R
	TR/ATPL	TP	S	S	S	S	S	R	S	R	S	S	R	R
	Re	T	S	S	S	S	S	R	S	R	N	S	R	R
Type VI	RL/RO/IO/CQ	TP	S	S	S	S	S	R	S	R	S	S	R	R
	MPL3 - Intermediate	T+TP	R	R	R	R	R	R	S	R1	S	S	R	R
Type V	TR/ATPL/RL/RO/IO	T	S	S	S	S	S	R	R	N	G	S	R	R
Type IV	MPL2 - Basic	T+TP	R	G	G	R	G	R	G	N	G	S	G	R
Type III	CR	T	R	R	R	R	R	G	R	N	R	S	G	G
Type II	IR	T	G	G	G	R	G	G	G	N	G	S	G	G
	CPL	T	R	R	R	R	R	G	R	N	R	S	G	G(S)



# Glossary Page

Abbreviations and definitions.

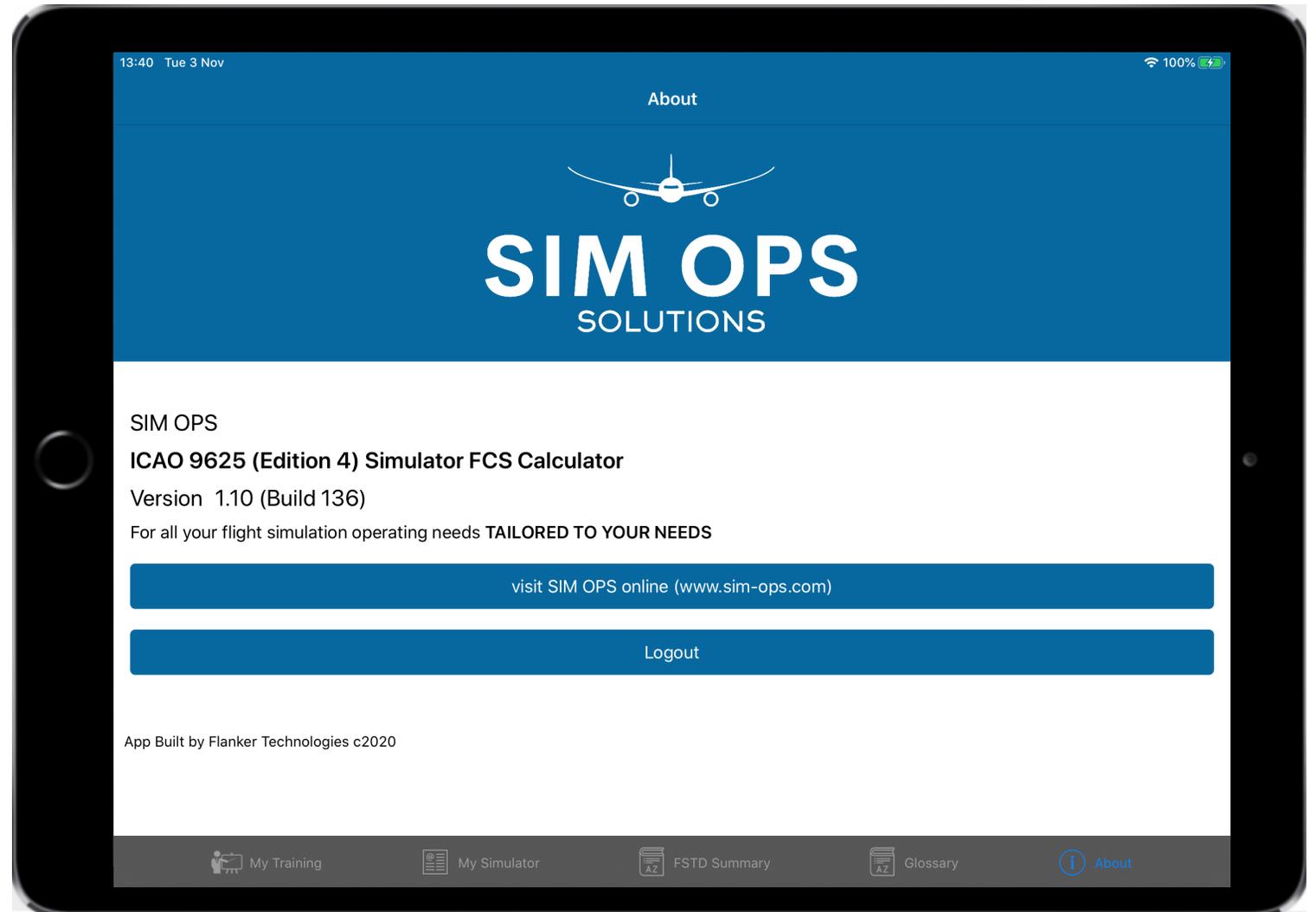
This page is scrollable



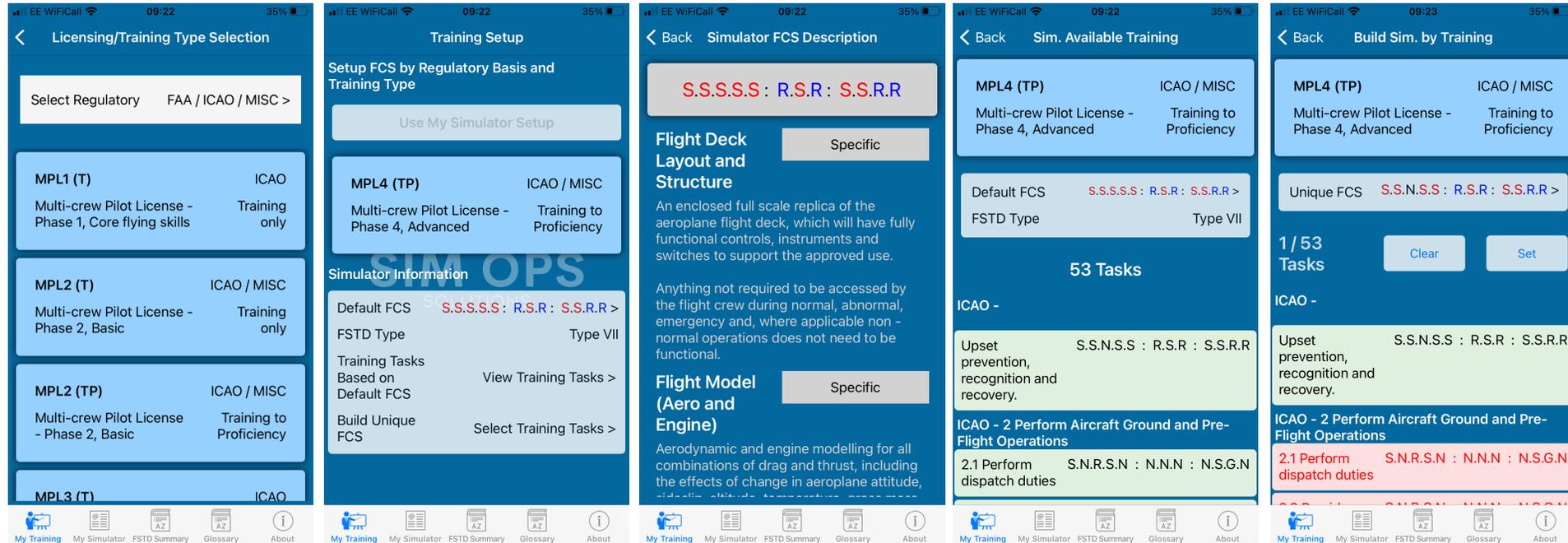
# About Page

This is a static page containing...

- Version description information
- Link to access SIM OPS website
- **Logout** button.
  - Selecting this will log out the user and clear all selections



# iPhone screenshots



Functionality is same on iPhone but the app is more easily viewed on iPad size display.

# Additional features are planned for 2021

- 9625 Vol II (Rotary wing)
- Objective tests
- EASA CS FSTD A issue 3

But in the meantime....

If you need support or have any questions or feedback to share then please email them to..

*[app@sim-ops.com](mailto:app@sim-ops.com)*





<https://www.sim-ops.com>

# SIMOPS

## SOLUTIONS