SurfPAD

User Guide
V 1.0
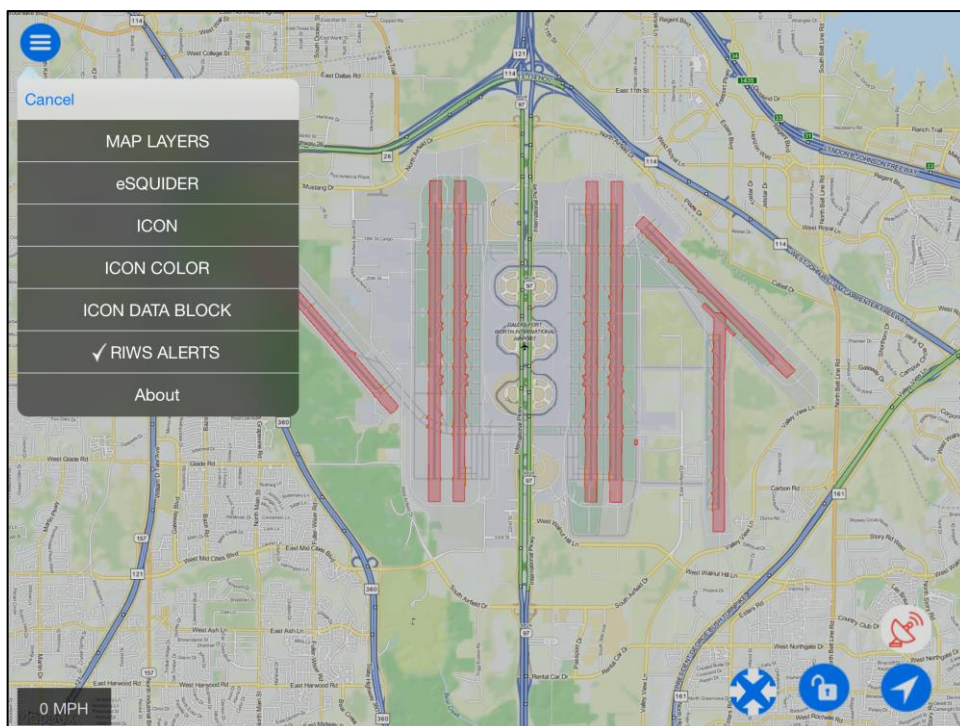
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1. Introduction

SurfPAD is a GPS based tool that assists the airfield vehicle operators to navigate the airfield safely. The system enables real-time airfield vehicle tracking and vehicle activity from the airfield manager's desktop and/or the supervisor's vehicle. The system is integrated with eSQUIDER that allows the operators to determine which vehicles, other than their own, are within an airport runway safety area. The Runway Incursion Warning System (RIWS) alerts the airfield vehicle operators when approaching critical points in the airfield by providing a proximity alarm, based on vehicle position and velocity.

2. Home Screen

Once you login, the application opens displaying the airport map. When you click the menu icon on the top left corner of the screen, the menu options are displayed. The red and yellow markings on the map show the runways and taxiway holdings. The pan icon on the bottom right corner of the screen pans to the airport with perspective zoom. When the padlock icon is locked, the map tile is displayed at current zoom level which best centers the current GPS location. The navigation icon takes you to your current location.
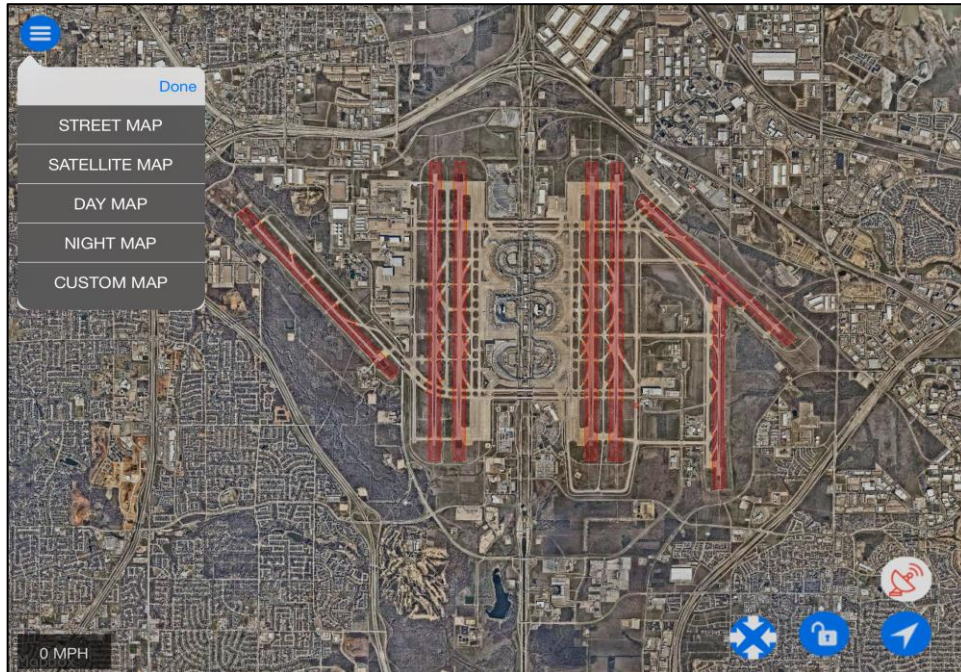
3. Managing RIWS Alerts

1. From the menu, select the **RIWS Alerts** option.

2. Once you select this option, based on your vehicle position and velocity, the system alerts you when you approach the critical points in the airfield.

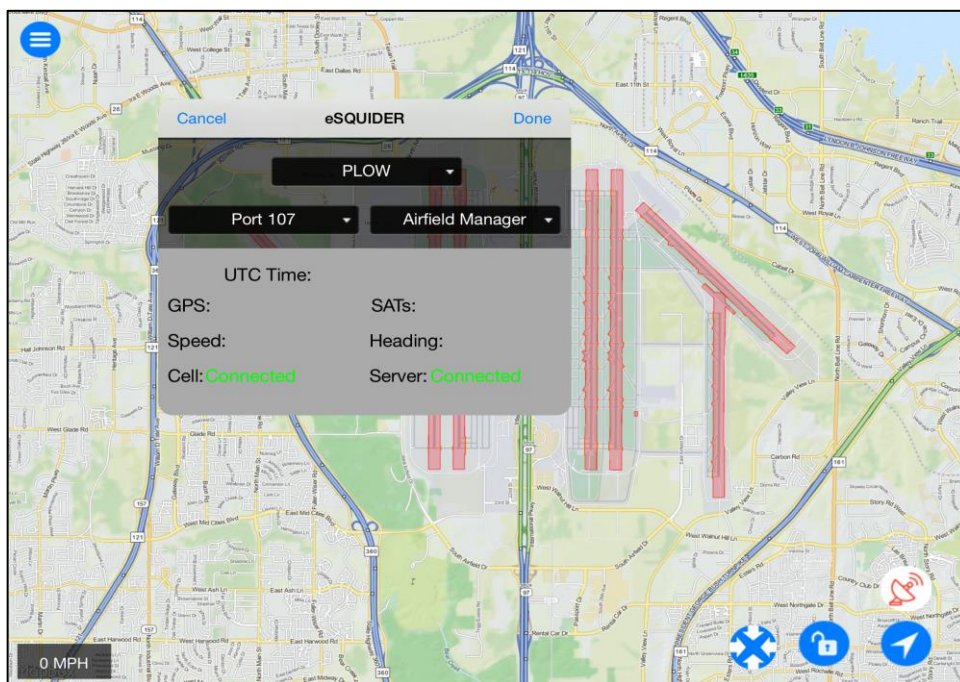# 4. Selecting Map Layers

1. From the menu, select the **Map Layers** option.

2. Select the map layer. The corresponding map is displayed.
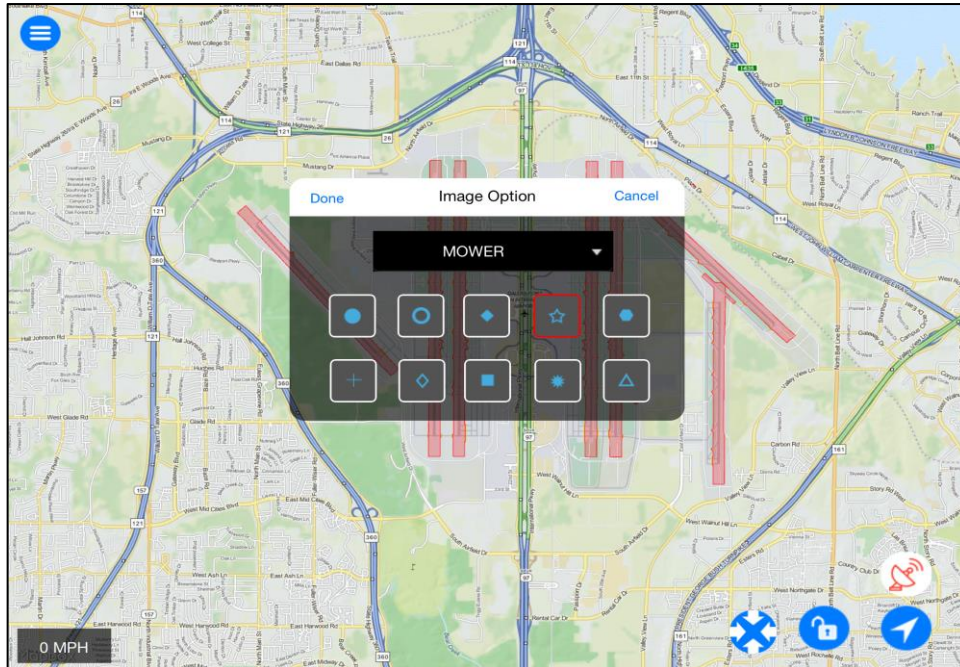
3. Press **Done**.

5. Manage eSQUIDER

1. From the menu, select the **eSQUIDER** option.

2. You can specify the radio channel and operator for each vehicle type. The GPS, SATs, Speed, and Heading details are displayed based on the third party GPS device data.
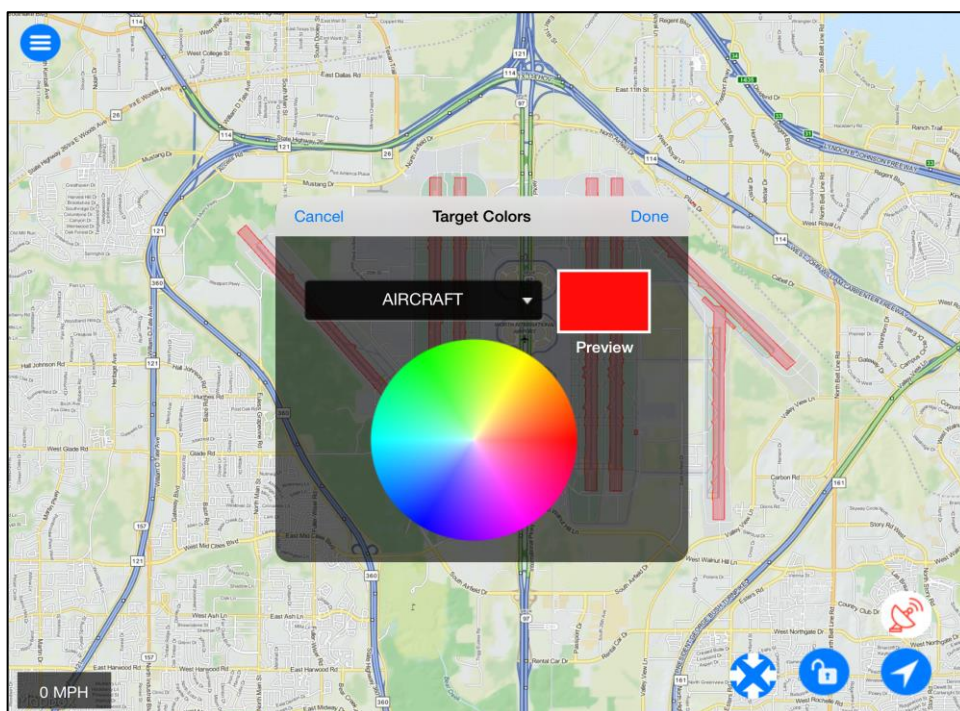
3. Press **Done**.

6. Specifying Icons

1. From the menu, select the **Icon** option.

2. From the icon list, select the icon that you want to assign to each vehicle. Press **Done**.

7. Specifying Icon Colors

1. From the menu, select the **Icon Color** option.

2. From the color picker, select the color that you want to assign for each vehicle. Press **Done**.

8. Specifying Icon Data Blocks

1. From the menu, select the **Icon Data Block** option.

2. On the Default tab, you can set the default value.

3. On the **Selected** tab, toggle on the values that you want to be displayed for each vehicle.

4. Press **Done**.