Field Service Bulletin

FSB Number: 6000124

Revision: B

Date: 1/16/2024

Description: Android 14 update on Teal Air Controller

Priority: ☐ Safety Critical ☐ Mission Critical ☒ Informative

Purpose: To describe the hardware user interface changes in the android 14 TAC.

Action: Review the updates for a better user experience and provide guidance as to Remote ID compliance.

Scan the QR code below to review the updated Operator's Manual.

IMPACT

System Safety Impact: No impact

Mitigation: Update Operator's Manual

Airworthiness Impact: No impact

Compliance Impact: No impact, subsequent to Remote ID performance verification testing and continued monitoring by the RPIC in the manner described in the Operators Manual.

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BACKGROUND & DESCRIPTION

Teal's TAC has newly updated hardware and software.

As of Jan 19, the Teal Air Controller (TAC) now ships with an updated display, processor, and operating system (Android 14).

The changes include:

- A new splash screen.
- An easy to access home screen.
- Easier access applications
- It is no longer necessary to swipe from the right using the Side Key or Multi window tray to access these apps.
- Access to the Chrome browser is no longer available with this new version
- A new GPS module and firmware feed the Remote ID operator location and altitude message elements in Remote ID equipped drones.

Updates in the new TAC

Remote ID Compliance

For drones equipped with Remote ID, testing has been performed in accordance with ASTM-F3586-22 demonstrating compliance with FAA Part 89 regulations and demonstrating performance equivalency with FAA Remote ID Declaration of Compliance Number: RID000000454 and subsequent amendments. Any Teal 2 UA listed in the DOC may be flown with the TAC described in this document, even if it was shipped with an earlier TAC version.

While no additional action is required of the end user by Teal to ensure compliance, ensuring compliance with Part 89 prior to each flight is the sole responsibility of the RPIC. Teal strongly recommends that the RPIC verify the Teal system serial number being operated is listed in the DOC; and that performance of the Remote ID system is verified prior to each flight.

Accessing the Applications

The TAC houses a Samsung Galaxy tablet running the Android operating system.
The applications are available upon opening the home screen.

The available applications are:

- The Teal QGC application contains the settings and controls for customizing AV settings for flight.
- Teal settings application where you can pair the AV and GCS, view the operator's manual, transfer maps, and configure other settings.
- The Teal TAC settings application. Use this app to access other settings for the TAC.
- Teal updater application. Use this app to update the AV firmware.
- The My Files application. Use this app to access flight logs, maps, screenshots, and other files.
- The information icon. Use this icon to access settings.

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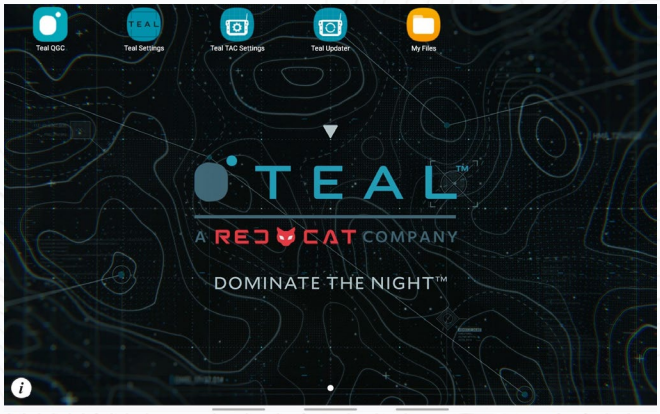
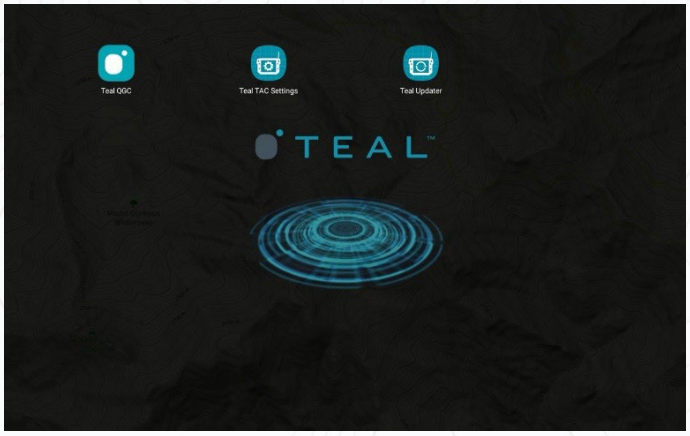
Android 14 TAC



Android 10 TAC



CONTACT SUPPORT:

Contact Teal Drones Technical Support, Program Manager, or other point of contact for further information.

Teal Drones Technical Support: (385) 281-8415 | support@tealdrones.com

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