

1.0 RELEASE SNAPSHOT

Field	Information
Platform	Edge 130 sUAS
Release Version	2.0.3
Release Date	April 2026
Components Updated	Command Deck Application

2.0 RELEASE OVERVIEW

- 2.1 Version 2.0.3 introduces a set of usability, visibility, and reliability improvements to the Command Deck application, focused on enhancing operator awareness, simplifying workflows, and improving overall system feedback.
- 2.2 This release adds native screenshot capture, enhanced calibration feedback, improved mission altitude behavior, and expanded battery and signal monitoring capabilities. User interface refinements and targeted bug fixes further improve system clarity and operational reliability in the field.
- 2.3 These updates reduce operator workload, improve situational awareness, and provide clearer system feedback during mission planning and execution.
- 2.4 This release **formally rescinds** Emergency Service Bulletin (ESB) 9140-1006-01 Temporary Operational Restriction — Return to Operator (RTO) Feature.

3.0 Feature Overview & Traceability

Table 1: Feature Mapping

Feature	Operational Driver	Operational Value	Audience Applicability	Implemented Improvements
Screenshot Capture	Lack of quick in-app documentation capability	Enables rapid capture of maps, UI, and vehicle state	All operators	Press-and-hold capture, local storage access
Improved Calibration	Limited feedback during leveling process	Faster, more accurate calibration	Field operators	Live roll/pitch readouts, clearer guidance
Mission Altitude Behavior	Inconsistent altitude expectations	Predictable mission planning and execution	All operators	Relative altitude default
Battery Warnings	Limited visibility into battery state	Increased safety and awareness	All operators	Visual + audio alerts
Signal Quality UI	Inaccurate or unclear signal feedback	Improved link awareness and reliability	All operators	Enhanced signal indicator and warnings

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4.0 OPERATIONAL DRIVERS

Screenshot Capture

Operators previously lacked a fast and integrated way to capture system state, requiring external tools or manual documentation.

Improved Calibration

Calibration workflows did not provide sufficient real-time feedback, increasing setup time and uncertainty in field conditions.

Mission Altitude Behavior

Mission altitude settings could lead to inconsistent expectations during planning and execution.

Battery Awareness

Limited alerting reduced operator awareness of critical battery levels for aircraft and controller.

Signal Monitoring

Signal strength feedback lacked precision, making it harder to assess link quality.

UI Consistency

Certain UI elements did not accurately reflect system behavior, leading to confusion.

5.0 OPERATIONAL IMPACT

Screenshot Capture

Operators can now quickly capture and store screenshots directly within Command Deck, improving documentation, troubleshooting, and mission reporting.

Improved Calibration

Live roll and pitch feedback significantly improves calibration accuracy and reduces setup time in the field.

Mission Altitude Behavior

Using relative altitude by default ensures consistent and predictable mission planning outcomes.

Battery Warnings

Visual and audio alerts improve operator awareness and reduce the risk of unexpected power loss.

Signal Quality Improvements

More accurate signal monitoring helps operators maintain a reliable telemetry connection and respond to degradation sooner.

UI Cleanup

Refinements improve clarity and ensure system settings accurately reflect behavior.

External Battery Warning

Updated notification severity improves prioritization and operator response.

6.0 APPLICABILITY

Table 2: Applicability Matrix

Feature	Command Deck
Screenshot Capture	✓
Improved Calibration	✓
Mission Altitude Behavior	✓
Battery Warnings	✓
Signal Quality Improvements	✓
UI Cleanup	✓
External Battery Warning	✓

7.0 SOFTWARE CHANGES

Command Deck Application

New Features

Screenshot Capture

- Capture screenshots directly within Command Deck
- Activated by pressing and holding the top-right toolbar button
- Screenshots saved to /Screenshots directory
- Accessible via Android Files app

Improvements

Improved Calibration

- Live Roll and Pitch readouts added during Level Horizon calibration
- Faster, clearer, and more reliable calibration workflow
- Calibration warning messaging updated to direct users to the Sensors page

Mission Altitude Behavior

- Mission planning now defaults to relative altitude
- Ensures consistent altitude behavior during planning and execution

Battery Warnings

- On-screen alerts for low battery (aircraft and controller)
- Audio announcements at critical battery levels

Signal Quality UI Improvements

- Improved accuracy of signal strength indicator
- Telemetry monitoring with warning when signal degrades

Misc UI Cleanup

- Battery failsafe option updated to reflect correct thresholds

External Battery Disconnect Warning

- Notification severity updated from informational to warning

8.0 FIXES AND RELIABILITY

RTO Altitude Fix

Return to Operator no longer causes unintended altitude changes when updating home position.

Disconnect Warning Label

Resolved issue where disconnect warning label failed to appear on certain Android tablet models.

Warning Label Display

Fixed cases where text was improperly rendered on warning labels.

9.0 Identified Issues

No known critical issues at time of release.