Air Traffic Control Reporting System (ATC-RS)

- Provides UAS Position Reports to Civilian or Military Air Traffic Control
- Provides Local Air Traffic with the Position of the UAS
- Enhances Capabilities of Current Unmanned Aerial Systems without Airframe Modification
- Provides Universal Connection to Ground Control Station of the UAS
- Uses Industry Standard STANAG 4586 Message Set, Optional Cursor on Target (CoT), and ADS-B
- Offers Simultaneous Voice and Data Capability
- Requires No Aircraft Modification
- Patent-Pending

Product Overview

The ATC-RS is a patent-pending system capable of delivering real-time Unmanned Aircraft System (UAS) position reports to both military and civilian ATC destinations. The system provides current and future unmanned aircraft systems with position reporting capability to support complete integration into the National Airspace System (NAS) and to promote safe deconfliction within military airspace.

To facilitate NAS integration, the Kutta ATC-RS utilizes multiple methods to exceed current and future NAS requirements including voice and data communications via satellite modems and Automatic Dependent Surveillance Broadcast (ADS-B) messaging. Kutta’s ATC-RS product is unique in the industry due to its ability to combine various reporting methods into a light-weight device capable of being integrated with currently-fielded Unmanned Aircraft Systems.
Kutta has designed the ATC-RS to broadcast UAV position reports using ADS-B style messaging. ADS-B is a civilian standard for messaging, maintained by the RTCA and chosen by the FAA as the future method to broadcast position reports from all classes of air vehicles.

ATC-RS is designed to maintain voice & data connection with appropriate ATC sectors at all times.

Ruggedized Hardware Specifications
• Product Dimensions: 19” x 14” x 7”
• Total System Weight: 18 lbs
• Power: Lithium-Ion Rechargeable (12v) ~6 Hours Duration @ Full Duty Cycle

ATC-RS Concept of Operations (CONOPS)