SYSTEM DESCRIPTION

ATSC’s Mosquito Delivery System (MDS) provides an unprecedented capability of precision airdrop delivering small payloads in austere locations to within meters of the preselected coordinates. Aircraft agnostic, the MDS can deliver any type of payload up to 250 lbs such as water, batteries, medical supplies and tools. The quick release mechanism allows for a fast recovery of payloads.

OPERATIONAL SCENARIOS

The Mosquito Delivery System (MDS), with its ability to operate from any aerial platform offers new ways of resupplying war fighters in the field. For small units that wish to extend their mission, the MDS could resupply them with supplies while on the go, in the cover of darkness. Units can leave with less gear to allow for faster mobility towards mission objectives, then be resupplied as needed on the move. Missions could be extended indefinitely with small resupplies, and allowing for mission changes with new gear or tools being dropped in.
Mosquito Delivery System

**SYSTEM FEATURES**

1. GPS Antenna
2. Wi-Fi Antenna
3. RF Modem Antenna
4. Left Steering Servo
5. Right Steering Servo
6. Winch Drum Cover Plate
7. Drogue Lock / Release Switch
8. Charging/Data Offload Connector
9. Power Switch
10. Payload Lock / Release Switch

**SPECIFICATIONS**

- **Payload Capacity:** 1-250 Lbs
- **Deployment Altitude:** 25,000 Ft MSL
- **Accuracy:** <30 M Circular Error Probable (CEP)
- **Offset:** 3:1 Glide Ratio (Typical)
- **Weight (AGU):** 10 lbs
- **Dimensions (AGU):** 2”h x 11”d x 10”w
- **Communications:** 802.11
- **Weather Resistance:** IP67
- **Payload Dimensions:** Customer Specific

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