

Ku-band SATCOM Data Link (KuSDL) Predator Reconnaissance System



The KuSDL utilizes commercial, geostationary satellites to facilitate full-duplex SATCOM linking of the Predator UAV to a remote control exploitation complex. The command link provides real-time control and data while the return link transfers real-time EO, IR or SAR motion video to the exploitation facilities.

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Product Description

The Predator Reconnaissance Communications System (with ATC Radio) will include:

- I. Predator UAV, fully equipped with sensors, ATC Radio, KuSDL and LOS data link (within UAV operating range of launching and maintenance facilities).
- II. Transponder lease(s) on appropriately positioned, commercial, Ku-band geosynchronous satellites. Lease, revenue arrangements and spot beam locations all established long before mission initiation.
- III. In-theater exploitation and control complex including transportable satellite earth terminal (IESS -208, Type E2) with full-duplex Ku-band receive and transmit capability. Complex would include exploitation capability and full connectivity to in-theater voice communications complex. Remote pilot (GCS) accomplishes ATC with authorities near flight-path via data links and onboard AN/ARC-210 radio.



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Cleared by DoD/OSR for public release under 95-S-3560/L on 3 October 1995.