

The HDT-10003C will be used as an airborne video and data transmitter for Unmanned Aircraft Systems (UAS) operations. A ground receiver will be integrated with the UAS Ground Control Station (GCS). The video will be in the H.264 format. Data from the aircraft sensors will also be telemetered to the GCS via one of the data channels on the HDT-1000. There is no ground to air transmission in this configuration. All testing will be done at the Fort Sill, OK Army reservation and within Restricted Airspace R-5601.

The UAS flights will originate in the northeast corner of the restricted area at a UAS runway facility called Frisco Ridge. The aircraft altitude will vary from the surface during launch and recovery operations and will normally operate between 5000-10000 feet Mean Sea Level (MSL), but may climb to 14000' MSL for air traffic avoidance at the direction of Fort Sill Range Control.