



Ordering Distributed Real Time Infrared (DRTI) Detection Flights

Discussion

The Air National Guard flight crews use a FLIR Distributed Real-Time Infrared (DRTI) sensor with a 360 degree field-of-view mounted underneath a RC-26 aircraft to collect heat detection points (lat/long) in real time. The images are often high oblique (i.e., the horizon is visible). At the end of each survey, the flight crew delivers all points and a selection of snapshots from the DRTI video stream directly from the aircraft to be post-processed and uploaded to the incident FTP folder. For more information on the aircraft and technology capabilities, see the NIFC DRTI Briefing Paper dated July 18, 2016.

Currently, two DRTI aircraft are available for use in the NW. This document provides guidance on the ordering process for obtaining daytime DRTI heat detection flights.

NOTE: At this time, DRTI will NOT be used for night time fire perimeter mapping missions. Perimeter mapping missions will be ordered through the NIROPs ordering process outlined in the National Interagency Mobilization Guide, Chapter 50, Page 74.

Ordering DRTI Heat Detection Flights

To initiate daytime DRTI flights for detecting heat signatures please submit this Google Form:

[DRTI Survey Request Form](#)

Required information includes, but is not limited to, the following:

- Name of the incident
- Coordinates of the box you want flown; **coordinates in Degrees Minutes Seconds (DMS)**
- Date/Time the flight is to occur over your incident
- Name and phone number of incident point of contact

Same day flight orders should be into NWCC GIS by 0900 PDT. Next day flight orders should be in by 1700 PDT daily.

Please direct questions on this process to NWCC Center Manager: 503-808-2732 or dlobrien@blm.gov.