

Example "Safety of Flight Declaration":

1. The Yamaha RMax Unmanned Aircraft System is the result of intense research, development, and testing effort with exact engineering standards. The RMax was developed by Yamaha as a highly stable crop-dusting vehicle, but used by DARPA and Georgia Tech to carry payloads including visual equipment and autonomous controls. This particular RMax (aka DARPA-Max) and its near-copy (aka GTMax) have been used before in previous DARPA programs, and logged more than 300 flights. The DARPA-Max has undergone sufficient engineering review to warrant a high state of confidence in the flight capabilities. The system was purchased by the government and modified for the DARPA-sponsored HURT (Heterogeneous Urban RSTA-Reconnaissance, Surveillance, Target Acquisition-Team) program, for which Northrop Grumman is the prime contractor. On the HURT program, this RMax was tested extensively last year for one month at Mojave Airport (Mojave, CA) and one month at the Southern California Logistics Airport MOUT site (Victorville, CA), in single and multi-vehicle configurations. Well-trained, experienced operators were subcontracted to control the vehicle, minimizing risk to the GFE (Government Furnished Equipment).

2. The Pointer UAV, Raven UAV, Dragon-Eye UAV and Wasp MAV, delivered by Aerovironment for use on the HURT Program, have undergone extensive engineering review, and accumulated sufficient flight time to warrant a high confidence in their basic flight capability. In addition, each of the UAVs will be operated by a trained and experienced Aerovironment UAV Operator during planned HURT operations.