

First Responder Beyond Visual Line of Sight (FR-BVLOS) 91.113 Waiver REQUEST CONOPS

The (Name of First Responder Public Agency) is requesting a “First Responder Beyond Visual Line of Sight (FR-BVLOS) waiver to 14 CFR 91.113(b). CONOPS:

The utilization of Unmanned Aircraft Systems (UASs) in support of public safety operations has become a critical component in the safeguarding of human life. The ability to establish on scene situational awareness is the key to meeting an ever-increasing range of mission objectives. The First Responder must have held a valid Part 91 Certificate of Waiver/Authorization (COA): Part 91 COA # _____

- The approval to conduct such operations will only be applied to public safety operations where the deployment of the UA is deemed a critical component to the success of the mission
- The Pilot in Command (PIC) and/or the dedicated Visual Observer(s) (VOs) must be able to see 2 miles around the operating Unmanned Aircraft (UA) (referred to as the (Visual Detection Volume) during all phases of flight in order assist the pilot in remaining well clear of other air traffic
- Flight track to and from operating location will remain clear of highly congested urban and rural areas
- UA will be programmed to avoid flight over highly congested urban and rural areas during loss of link when the UA is executing a Return to Home (RTH) procedure
- If the dedicated VO(s) is not located within the immediate vicinity of the PIC, the VO(s) must have the ability to maintain two-way radio communication with the PIC during FR-BVLOS Operations
- FR-BVLOS operations in controlled airspace cannot exceed the UAS Facility Map (UASFM) altitude values which should be considered the hard ceiling for the operation
- Operations within Class G airspace may not exceed 400 AGL
- Emergency operations where the first responder needs to exceed the 400 feet hard ceiling or the UASFM altitude value will require a Special Governmental Interest COA/Waiver from the FAA’s Systems Operations Support Center:
https://www.faa.gov/uas/advanced_operations/emergency_situations/
- Flight Visibility must be equal to or greater than 2 Miles from where the UA is operating and the PIC or VO
- A survey of the surrounding airspace where the UA will be operating must be conducted before each flight to determine if adequate visibility is available to meet the provisions for FR-BVLOS operations
- The use of visual enhancements as a temporary aid in monitoring the airspace where the UA is operating is authorized.