

## Classes of Airspace Description

NASA DFRC 2008 Fire Mission  
UAS COA Application Attachment

NASA Dryden Flight Research Center (DFRC) has procured from General Atomics – Aeronautical Systems Incorporated, an MQ-9 Reaper aircraft and a Ground Control Station (GCS). DFRC has assigned the number “NASA 870” to the aircraft, registered it as N870NA, and renamed it “Ikhana” (pronounced ee-kah-nah, a Native American word from the Choctaw Nation meaning intelligent, conscious, or aware).

“Track changes” is used in this document to highlight the significant differences in the attachment between the 2008 plans versus last years’ 2007 WSFM plans. Change tracking (and hence “change bars”) have been suppressed for editorial and non-philosophical changes.

This attachment is intended to describe the Classes of Airspace required for the WSFM operations.

**1. Classes of Airspace –**

i. "A"	<b>Yes</b>	Entire mission in the NAS
ii. "B"	<b>No</b>	
ii. "C"	<b>No</b>	
iv. "D"	<b>No</b>	
v. "E"	<b>No</b>	
vi. "G"	<b>No</b>	
vii. "SUA"	<b>Yes</b>	R-2508 Complex for take-off, climb, descent, and landing

**2. FAA COA Checklist V-6 (Revision 5, 6-15-2005) questions**

17. Classes of Airspace

a. Will any unique separation standards be required for this UAS operation?

A : No.

(b) (3) (A), (b) (3) (B)

[Redacted content]

(b) (3) (A), (b) (3) (B)

- e. What contingencies will be used in the event of lost communication? A :  
Assuming this refers to pilot to ATC communications: Telephones are the primary backup plan. Refer to attachment NASA 2008 Fire Mission - Communication and Lost Communication Description Attachment for details.
- f. What contingencies will be used in the event of lost command/control link? A:  
Reference the following attachments:  
NASA 2008 Fire Mission - Mission and Lost Link Procedures Description Attachment,  
NASA 2008 Fire Mission - Lost Link Aircraft Maneuvers .doc,  
NASA 2008 Fire Mission - Lost Link Datalink Recovery .doc
- g. Are there any unique provisions necessary in the event of UAS failures? A:  
Reference the following attachment: NASA 2008 Fire Mission - Emergency Procedures Description Attachment