

Electronic Surveillance/Detection 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 Ikhana on-board aircraft electronic surveillance and detection capabilities.

(b) [REDACTED]
)
(3 [REDACTED]
)
([REDACTED]
A [REDACTED]
) [REDACTED]
(b [REDACTED]
) [REDACTED]
(3 [REDACTED]
)

(b) [REDACTED]
)
(3 [REDACTED]
) [REDACTED]
([REDACTED]
A [REDACTED]
) [REDACTED]
(b [REDACTED]
) [REDACTED]
(3 [REDACTED]
) [REDACTED]
([REDACTED]
B [REDACTED]
) [REDACTED]

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

| [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]