



# Federal Aviation Administration

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## Memorandum

Date: October 21, 2010  
To: Manager, System Support Group, Western Service Area

*Ardyth Williams*

From: Ardyth Williams  
Air Traffic Manager, Unmanned Aircraft Systems  
Prepared by: Robert Mullennix  
Air Traffic Control Specialist  
Subject: Certificate of Waiver or Authorization Pen and Ink Change for the Department of the Air Force Certificate of Waiver or Authorization 2009-WSA-46

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Certificate of Waiver or Authorization 2009-WSA-46 is changed at the request of the Department of the Air Force to authorize the carriage of live and inert munitions on the Predator UA at Creech AFB. Consequently, 2009-WSA-46 is changed as follows:

1. Add the following to number 1 of the Special Provisions section of 2009-WSA-46

“Lost link procedures: Any aircraft with live munitions experiencing a lost link condition during/after weapons delivery will remain within restricted airspace and recover at NAWS China Lake unless the link can be reestablished. (See Attachment 7).

Add the following as number 12 to the Special Provisions section of 2009-WSA-46 COA.

12. Carriage of live and inert munitions from Creech AFB to R2505 / 2502 / 2508 per the approved routing is authorized under this COA with the following

- Release of munitions is only authorized inside an active restricted area.
- Hung live munitions are considered an emergency situation and an in flight emergency must be declared with ATC. All aircraft with hung, un-secure live munitions will remain within restricted airspace and recover at NAWS China Lake. (See Attachment 7).

- The applicant assumes full risk and liability associated with the selection and use of any designated route. The applicant will survey the route of flight prior to the first flight to ensure that populated areas and ground infrastructure, such as power plants, aids to navigation, etc, are not over-flown with expendable munitions on the aircraft. The route survey must be reviewed at periodic intervals not to exceed six months between surveys. Route modification to avoid populated areas or infrastructure will be coordinated with Unmanned Aircraft Program Office (AFS-407).
- On-board sensors or chase aircraft will be used to monitor expendable stores while the aircraft is outside of restricted airspace.
- Aircraft RTB with multiple hung stores must be able to maintain constant visual contact with all hung stores during transit outside restricted airspace, and in the event of inadvertent release, be able to provide information as to its impact location.
- Aircraft RTB to Creech with any unexpended or hung munitions must immediately advise ATC.

2. Add the attached graphic as Attachment 7 to 2009-WSA-46.

If you have any questions, please contact Mr. Robert Mullennix at 202-385-4582 or via email at [robert.ctr.mullennix@faa.gov](mailto:robert.ctr.mullennix@faa.gov).

## Attachment 7

