



**DEPARTMENT OF DEFENSE**  
JOINT SPECIAL OPERATIONS COMMAND (JSOC)  
FORT BRAGG, NORTH CAROLINA 28307-5000

30 May 2012

## MEMORANDUM FOR RECORD

FROM: J6 Development \ C4ISR Systems Project Branch

SUBJECT: Request for expedited Federal Communication Commission (FCC) approval to operate OCEUS Xiphos 4G Long Term Evolution (LTE) cellular base station radio (BSR) equipment at Camp Atterbury, IN during Exercise BOLD QUEST 2012

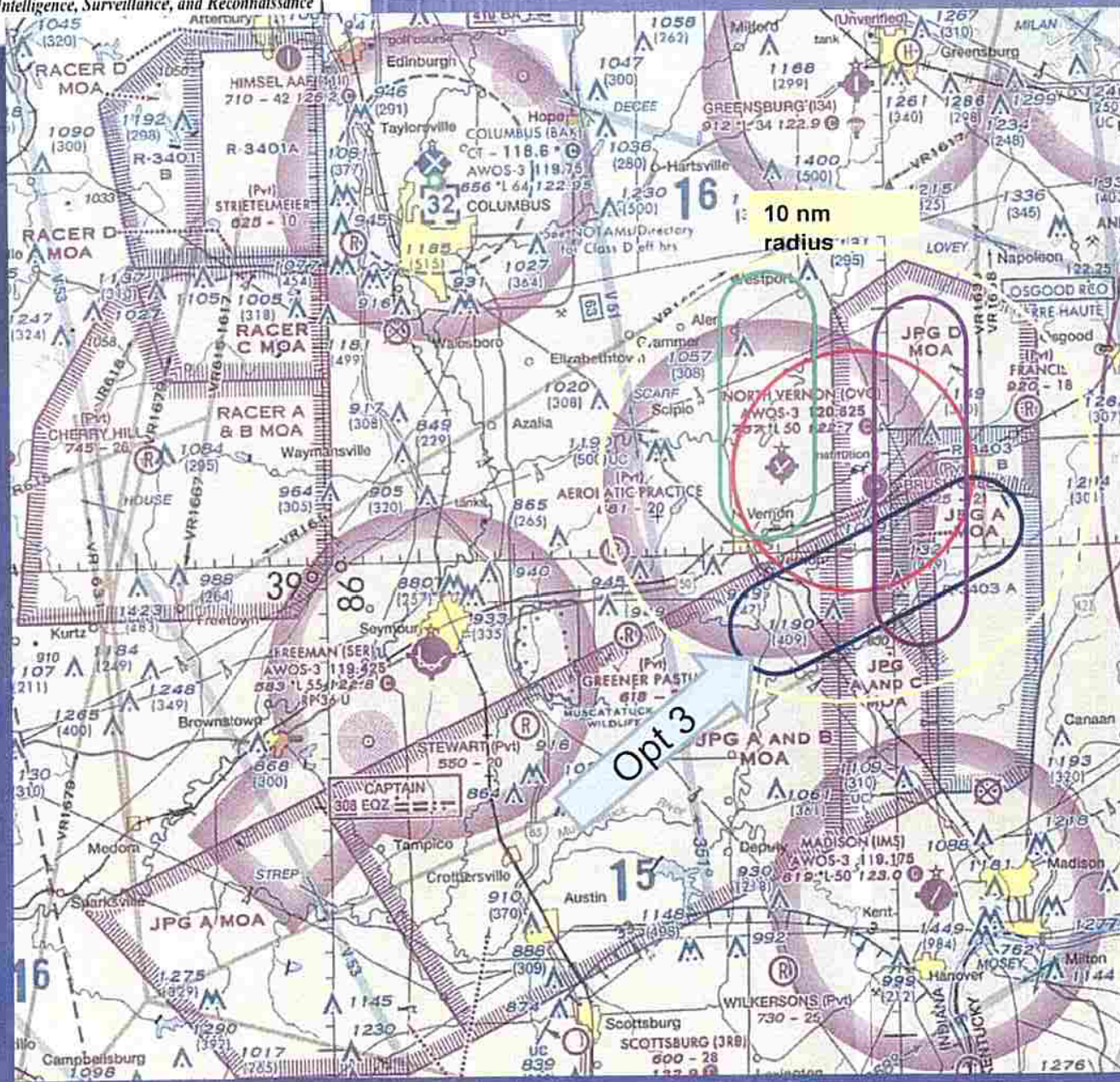
1. This memorandum requests expedited FCC approval to operate an OCEUS Xiphos 4G LTE cellular BSR, operating in LTE Band 4 or 13 (pending FCC approval), onboard a Sierra Nevada Corporation (SNC) PC-12 aircraft at Camp Atterbury, IN during Exercise BOLD QUEST 2012. The Xiphos 4G LTE BSR is being evaluated as part of the Joint Operational Long Term Evolution Deployable Tactical Cellular System (JOLTED TACTICS) Combat Evaluation (CV) being conducted by the Joint Special Operations Command (JSOC) and the Department of Defense Joint Staff J6 C4 Assessments Division and demonstrated at the BOLD QUEST 2012 exercise at Camp Atterbury, IN.
2. The JOLTED TACTICS CV is operationally evaluating the Xiphos 4G BSR during BOLD QUEST 2012 for potential immediate fielding to provide dismounted Special Operations Forces (SOF) with hand-held cellular solution for use with other High Bandwidth – Communications On The Move (HB-COTM) systems previously fielded and in operational use. HB-COTM is a suite of modular Line Of Sight (LOS) and Beyond Line Of Sight (BLOS) communication systems providing LOS and BLOS wideband transmission, networking, and security equipment designed to support SOF hand-held Command, Control, Communication, Computer, Intelligence, Surveillance, and Reconnaissance (C4ISR) operations while en route to the target and while conducting actions on the objective.
3. This request is for operations of the Xiphos 4G LTE BSR on Band 4 or 13 (pending FCC approval) onboard an SNC PC-12 aircraft flying in the R-3403 JPG A/B/C MOA at Camp Atterbury, IN 11-15 JUNE 2012. The test will be conducted in a non-interference basis and in accordance with all FCC directives.
4. If you have any questions concerning this request please contact me at (910) 243-5136, DSN 383-5136 or Scampi 383-1638.

A handwritten signature in black ink, appearing to read "James G. Herren".

JAMES G. HERREN

GS-13/DAC  
J6 DEV Systems Branch Chief

# BQ12 PC-12 Orbit For Muscatatuck Ops, V2



**PC-12 requests:**

- 2 x 2-3 hr flying periods 13-15 Jun
- 5-7.5K' AGL alt for comm gear
- Stay within 10nm of MCCO

**Option 1: Circular Orbit Around MCCO**

- Reqs:
  - Nothing else in G Rng
  - FAA allows flying in/out of R-3403/MOA airspace

**Option 2: Racetrack outside of R-3403/MOA airspace**

- Reqs:
  - JPG Rng Hot
  - FAA forbids flying in/out of R-3403/MOA airspace

**Option 3: Racetrack inside of R-3403/JPG A/B/C MOA airspace**

- Reqs:
  - PC-12 hard scheduled into Rng time.

**Option 4: Racetrack inside of R-3403/JPG A/B/C/D MOAs**

- Reqs:
  - PC-12 hard scheduled into Rng time.
  - Aircraft stay below 4K'

*FAA would rather not*