

Date: 29MAY2019

From: William Fithian DSO-AV, D5NR

RE: OVERVIEW – Operation RADIOAIR (Supplemental AUX RADIO/
AIR Training Exercise)

On 29MAY the 5NR District's Auxiliary Air and Communications Programs developed and successfully implemented training exercises entailing a Auxiliary aircraft flight vectoring towards and away from four Auxiliary Land Based Radio Units (LBRU) in three separate Division Areas: Division 21 (Central), Division 15 (Central), and two in Division 16 (Eastern).

The purpose of this operation was to determine the feasibility of this being a practical exercise for both Auxiliary aircrews and LBRUs/ Telecommunication Operators (TCOs) that can be conducted during scheduled air patrols. More flexible than traditional AUX Radio Net exercises, RADIOAIR allows numerous LBRUs to participate throughout the year. Future exercises include expanding this exercise throughout the district and mapping the coverage of various LBRUs.

Exercise Attributes:

1. Determine the effectiveness of AUX Land Base Radios maintaining a radio guard for AUX and CG air assets within interior of district.
2. Exercised Inter-operability of the Auxiliary's air and TCOs.
3. Realize how AUX TCOs may augment disaster relief efforts (flooding, etc.) many Coast Guard aircraft flying in an area that may not have established or reliable rescue 21 coverage because it is far inland from the coast.
4. Offered a direct linkage through the dynamic interface of the Auxiliary's Air and Communications realms.

Mission Overview:

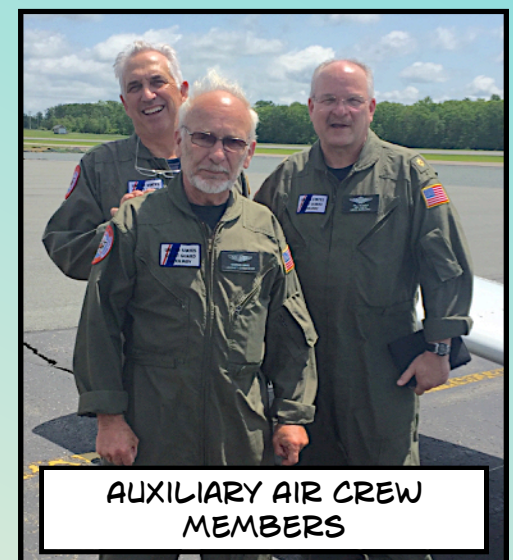
- 1) Aircraft Pilot and Air Crew plot a flight course to bisect a number of LBRUs throughout the district.
 - a. Establish date(s) an Auxiliary Aircraft will be aloft and the available TCOs/LBRUs that will be available.
- 2) Air Crew contacted the TCOs prior to patrol to plot their location coordinates, determined radio frequency(s), and call signs.
- 3) Auxiliary aircraft departs Woodbine, NJ airport (OBI) towards first vector/LBRU. (*After risk assessment and informing OIA)
 - a. When COMMS are established between the aircraft and LBRU the quality of radio transmissions are tracked and monitored to determine LBRU communication range.
 - b. LBRUs take aircraft's radio guard and track communication coverage on map.
 - c. Aircraft continues to next LBRU.
- 4) Procedures a thru c is repeated until all LBRUs are contacted. Aircraft completes exercise and returns to base (RTB). A de-brief is conducted with aircrew and Telecommunication Operators after landing.



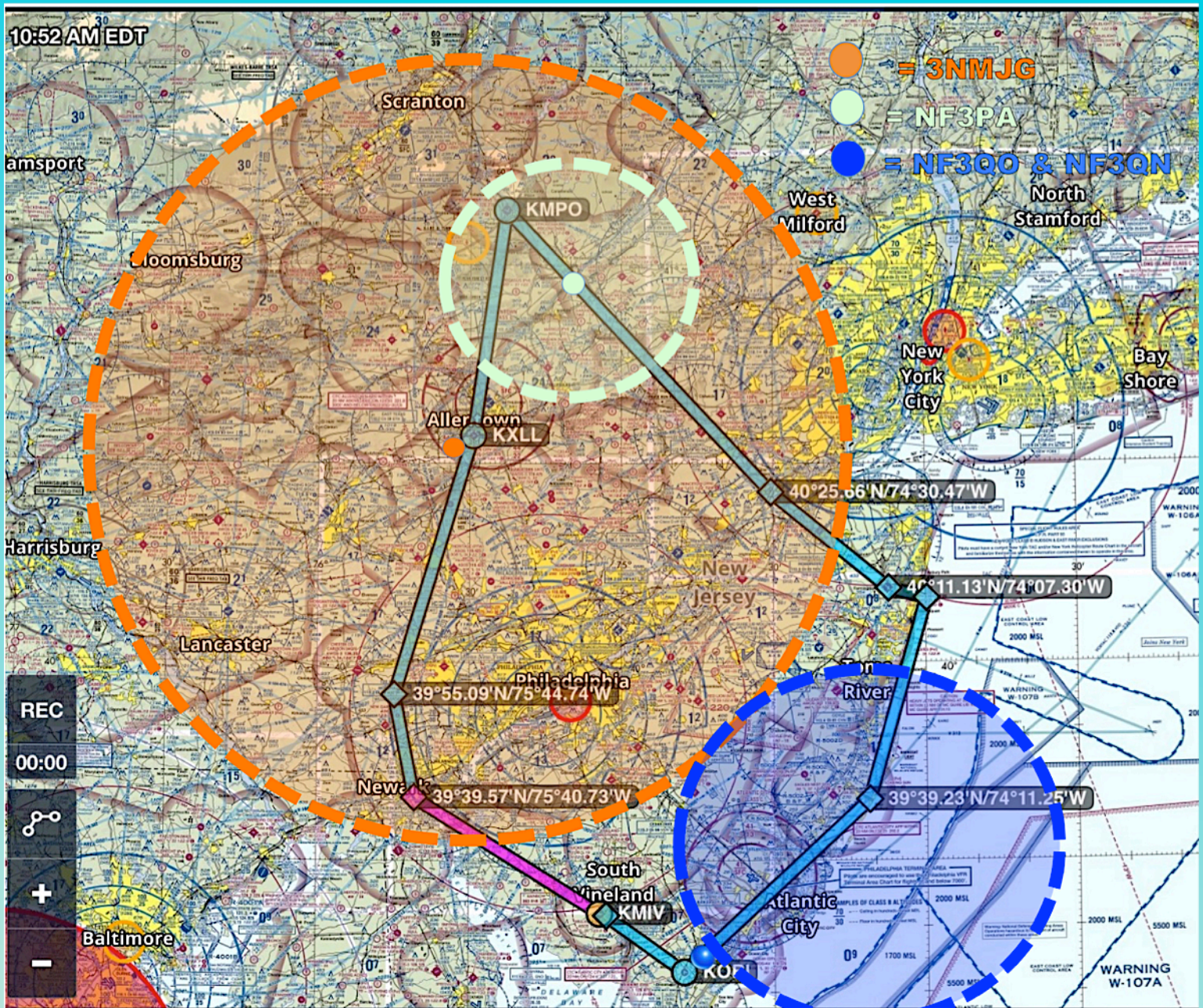
LARRY MILLER, TCO HOME
RADIO ANTENNA ARRAY.



DOTTIE SMITH, TCO
MAINTAINS A RADIO LOG
DURING RADIO COMMS.



AUXILIARY AIR CREW
MEMBERS



THE RESULTS OF THE RADIO/AIR EXERCISE PROVIDES A GRAPHIC REPRESENTATION OF THE COVERAGE OF AUXILIARY LAND BASED RADIO UNITS FOR BOTH COAST GUARD AND AUXILIARY AVIATION ASSETS.

12:24 PM EDT

