

# **Reconnaissance and Surveillance Leader's Course**

## **Communications Self Study Worksheet**

- 1. What is the difference between Line-of-Sight (LOS) and Beyond Line-of-Sight (BLOS) communications?**
- 2. What is a multiband radio?**
- 3. What is the difference between High Frequency (HF), Very High Frequency (VHF) and Ultra High Frequency (UHF) communications?**
- 4. What are the two basic modes of High Frequency (HF) propagation?**
- 5. How is a SATCOM channel programmed on a PRC-148 radio?**
- 6. How is the emergency beacon programmed on a PRC-148?**
- 7. How are channel groups programmed on a PRC-148?**
- 8. What is the difference between 25kHz and 5kHz dedicated SATCOM?**
- 9. How is a Line-of-Sight net programmed on a PRC-117F radio?**
- 10. How is a SATCOM net programmed on a PRC-117F radio?**
- 11. How is time-of-day programmed into a PRC-117F?**
- 12. What are the power settings for a PRC-150 in HF & VHF modes?**
- 13. How is a fixed frequency programmed on a PRC-150 radio?**
- 14. What does Link Quality Analysis (LQA) mean as it pertains to the PRC-150 radio?**
- 15. What is a Radio Programming Application (RPA) as it pertains to the PRC-150 radio?**
- 16. What is a "Sync" request as it pertains to the PRC-150 radio?**
- 17. What is the difference between Resonant and Non-Resonant antennas?**
- 18. What are Radiation Patterns as it pertains to antennas?**
- 19. What is a Counterpoise as it pertains to antennas?**
- 20. What is Polarization as it pertains to antennas?**