

APPENDIX D

Electronic Warfare

a. Threat forces have extensive REC capabilities and will attempt to deny us using the electromagnetic spectrum. All signal leaders must aggressively use ECCM to ensure our success on the AirLand Battlefield. Every signal leader should read FM 24-33 which contains a detailed discussion of EW.

b. MSE has some automatic ECCM functions; however, the following manual functions must be considered when planning and deploying MSE:

- Spread frequency use throughout the VHF and UHF spectrums.
- Decrease the distance of LOS systems where possible.
- Practice and use terrain masking--particularly with remote RAUs.
- Rotate/stagger area coverage responsibility among all deployed RAUs on an alternating basis. (For example, one RAU is operating while another is installed and waiting for the order to activate and assume responsibility for area coverage of the same area. After one RAU is relieved of area coverage responsibility, it prepares to move to a new location.)
- Keep LOS systems that are perpendicular to the forward line of own troops (FLOT) to a minimum.
- Reduce electronic signature in CP areas--use SHF radio.
- Move often--do not allow NCs to become static.
- Enforce using MSE versus FM radio--particularly in signal units.