

SUPFIRE # 3

2 March 70

SUPPORT FIRE STUDY PHASE II

Recommended Tasks For ¹

HCBrown

Reference Preliminary Work Statement established suitable for Phases I and II of the Support Fire Study. The following detailed task list for Phase II is recommended.

1. Provide the scenarios to be used to define missions, determine requirements, and evaluate effectiveness of mixes of support fire weapon systems. Scenarios will include typical situations, target arrays and environments for high, mid, and low intensity warfare.
2. Outline and model the target acquisition and intelligence process involved in executing support fire missions to determine the order and times of events, overall response times, and the effects of target acquisition probabilities on weapon system characteristics.
3. Examine and list new and projected capabilities for target acquisition and weapon system location equipment and procedures. Suggest methods of coordinating or integrating them with the support fire systems.
4. Summarize and list the various technological alternatives for support systems and evaluate their operational influence on the combat capability of maneuver forces and the organization and mix of fire support forces.

¹ Reference SUPFIRE # 1, dtd 5 Feb. 70

5. List each current or projected support fire weapon system and summarize the improvements in performance that can be anticipated from technological advance.
6. Summarize and list the performance capabilities of various technological alternatives for new support fire weapon systems.
7. Postulate alternative mixes of fire support weapons systems for the 1975-1980 time period based on current and projected technological advances and operational capabilities for cannons, surface-launched missiles and air-launched weapons.
8. Summarize the capabilities of the weapons systems in the postulated mixes to satisfy the support fire missions and determine the requirements for their supporting systems.
9. Evaluate the effects of transport, mobility and logistics requirements for the various fire support systems and base support.
10. Summarize and list the vulnerability considerations for each type of weapon system and evaluate the corresponding degradation in capability.
11. Evaluate and rank the alternative mixes by their effectiveness in accomplishing the support fire mission.
12. Identify significant technical problems which must be resolved in order to provide the desired mix of support fire weapon systems.