

Study the Application of Garrison Brigade's Artillery Fire Support in Counter Boat-wave Phase

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Abstract

Capability of Fire Support is one of the main evaluations for developing the Most Feasible Course of Action via Military Decision Making Process (MDMP). Nevertheless, setting up the baseline of applying fire support modes based on the capabilities and constraints of specific weapons is somehow lack of objective data basis. The research sets 7 aspects and 23 criteria by both means of literature review and expert questionnaire combined to develop "proactive", "semi-proactive" and "silent" fire support modes in Counter Boat-wave Phase for Home-land Defense Operation Plan (OP). Moreover, in order to depict the difference between National Defense University education and the armed forces, the survey is set up two groups, student and soldier, to weigh the 7 aspects and 23 criteria. Through expert choice application inspect, the result show that both of the consistency ratio (C.R.) and the consistency ratio of the hierarchy (C.R.H.) are below 0.1, which meet the requirement of AHP. The research results in the "Proactive Mode" weights the student and the soldier groups with 52.2% and 47% respectively in applying fire support, which is a persuasive data that can provide to both NDU and the armed forces in practical case to facilitate rigid methods of fire support COAs for completing mission.

Key words: Military Decision Making Process (MDMP), Fire Support application, Analytic Hierarchy Process (AHP)