



The Limits of Decentralized Execution
: The Effects of Technology on a
Central Airpower Tenet

BIBLIOTHOLAR DISSERTATIONS

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This thesis investigates the consequences of technological advances on decentralized execution of air operations. and the impact of all these elements on decentralized execution are assessed. The study targets three case studies of air operations: Linebacker II, Desert Storm, and Allied Force. Under certain circumstances of limited force program with a high amount of political control, centralized execution could also become desired. It particularly seeks to answer fully the question of how advanced sensor and communication capabilities in Air Operations Centers might lead to centralized execution. The study concludes that technological advances in Air Procedures Centers' ability to receive real-time information on on-going air missions and situational shows that provide it detailed information on local conditions in the battle area, combined with a concurrent capacity to communicate with strike aircraft, makes centralized execution feasible. In each case the command-and-control structure for air operations is usually analyzed, the command-and-control systems are referred to, the technologies enabling the atmosphere commanders headquarters to keep real-time control of his forces are evaluated; Finally, the implications of these technological advances for future Air Operations Centers, which were designated simply by the USAF simply because weapons systems, are discussed within the context of enabling information superiority.



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