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Sommario/riassunto	The Department of Defense is developing the means to transform the nation (TM)s armed forces to meet future military challenges. For the Navy and Marine Corps, this vision is encompassed in Naval Power 21. Many new war-fighting concepts will be needed to implement this vision, and the ONR has requested the NRC to identify new science and technology opportunities for new naval aviation capabilities to support

those concepts. This report presents an assessment of what they imply for naval aviation, an analysis of some capabilities that, if developed, would make a significant contribution to realizing those concepts, and an identification of key technologies in which ONR could invest to achieve those capabilities. In particular, the report focuses on seven key capabilities: multispectral defense, unmanned air operations, hypersonic weapons delivery, fast-kill weapons, heavy-lift air transport, intelligent combat information management, and omniscient intelligence.
