AMSS: New concepts in carrier battle group defense

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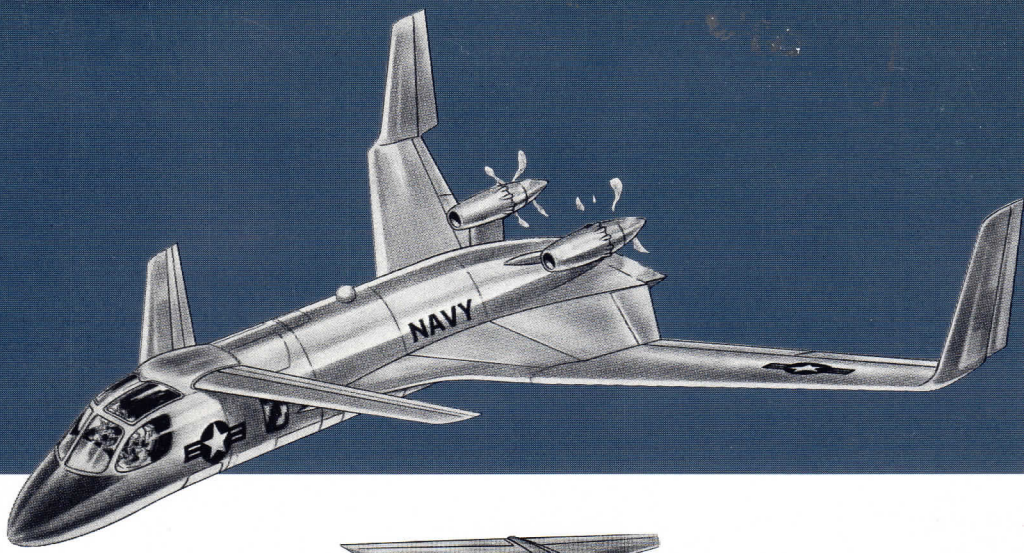
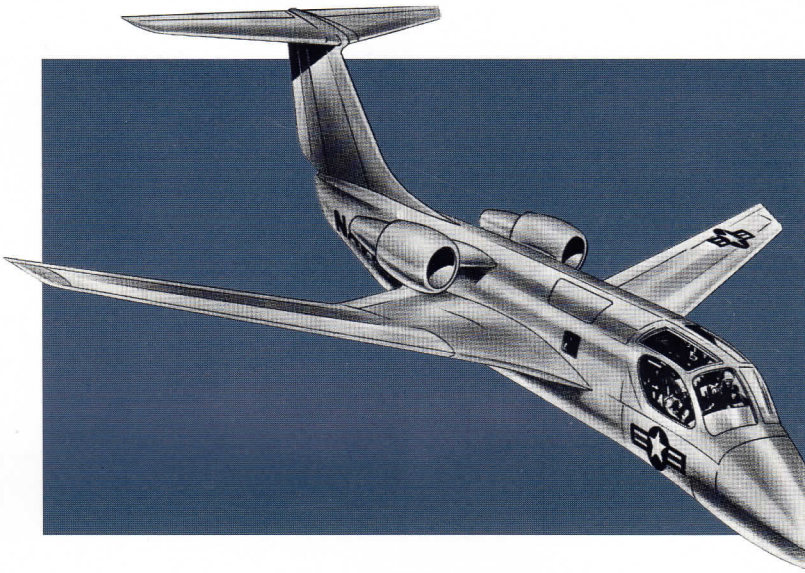
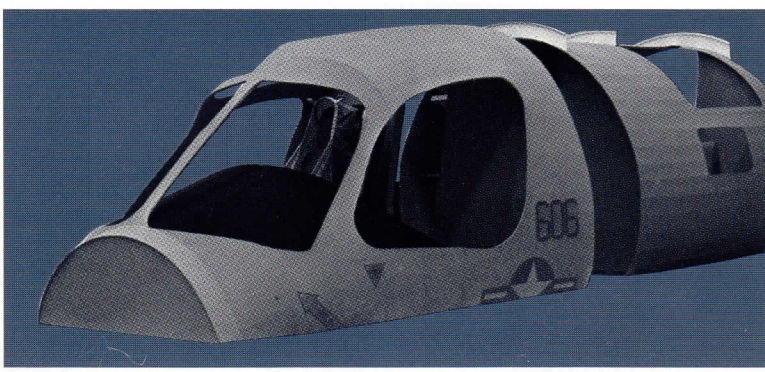


Naval aircraft carrier battle group defenses projected for threats in the late 1990s require support aircraft with substantially greater performance (altitude, range, dash speed, time-on-station, and payload) levels than are achievable by current carrier-based aircraft or their growth derivative designs. In October 1985, Naval Air Systems Command issued the Advanced Multimission Sensor System (AMSS) request for information to industry. The AMSS is intended to provide common airframe and core systems that can be combined with mission-specific systems required for important missions such as airborne early warning, antisubmarine warfare, and electronic warfare.



The Boeing Military Airplane Company response to the AMSS RFI was based on a design approach that incorporates advanced technologies in the areas of propulsion, materials, and avionics systems. This approach results in substantial increases in mission performance parameters in general and long-range search and track radar in particular, while meeting size-limiting constraints associated with U.S. Navy aircraft carrier basing.



Boeing possesses a thorough understanding of the operational and system requirements associated with the Navy AMSS program and is committed to providing the Navy with the best possible airframe for the missions required and the funds available. Research and development is continuing in areas such as ***mission analysis, radar integration, crew systems/human factors, alternative propulsion systems, carrier suitability, and alternative design configurations.***

The flexibility inherent in the Boeing AMSS will provide the significant tactical advantage needed by the battle group commander for fleet defense well into the next century.

Advanced Boeing concepts, as demonstrated in a full-scale mockup, are leading the way to a new aircraft with the altitude, range, dash speed, time-on-station, and payload capabilities that will be needed to defeat threats projected for the late 1990s and beyond.