

MISSION

Plans, directs, manages, and performs basic research, exploratory development, and advanced development in air vehicle structural design, structural technology integration, analytical structural mechanics, structural dynamics, sustainment, and extreme combined environment structures to solve critical structural problems on fixed-wing aerospace vehicles. Supports the Air Vehicles Directorate's focus areas of aircraft sustainment, uninhabited air vehicles, and future strike/space operating vehicles. Transitions technology results and products to major Air Force commands, other government organizations and industry through in-house and contracted efforts, consultation to System Program Offices, Air Logistics Centers, and other AFRL Directorates, and through participation in professional organizations. Provides technical advice and support to other DoD organizations and government agencies.



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BRANCHES

Structural Design & Development Branch (VASD): conducts and manages R&D in structural design methods and concepts.



Analytical Structural Mechanics Branch (VASM): conducts and manages R&D in fatigue, fracture mechanics, and structural life assessment.



Structural Dynamics Branch (VASS): conducts R&D in vibration, acoustics and sonic fatigue.



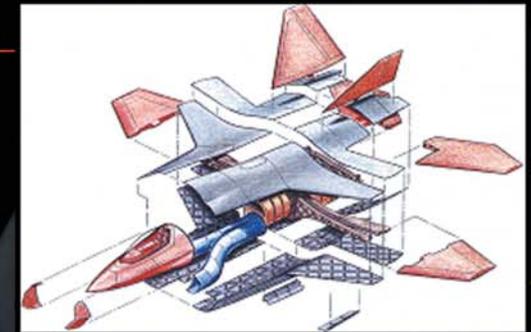
Combined Environment Verification Branch (VASV): conducts mechanical and thermal testing to support integrated structures R&D.



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STRUCTURES DIVISION



AIR VEHICLES DIRECTORATE