

# Airframe Test Guide

6555th Aerospace Test Group It was last assigned to the Eastern Space and Missile Center and stationed at Patrick Air Force Base, Florida. It was inactivated on 1 October 1990. of flight tests by the Air Force Ballistic Missile Division: Series A – Airframe and propulsion tests, employing seven 181,000-pound test missiles between The 6555th Aerospace Test Group is an inactive United States Air Force unit 103d8e7b44

Sikorsky S-69 and insufficient control systems. The airframe was then converted into a wind tunnel testbed, which was tested in the NASA Ames Research Center 40x80 The Sikorsky S-69 (military designation XH-59) is an American experimental compound helicopter developed by Sikorsky Aircraft as the demonstrator of the co-axial Advancing Blade Concept (ABC) with United States Army and NASA funding 103d8e7b44

Air Force Test Center The center employs nearly 13,000 people, and controls the second largest base in the Air Force. It conducts research, development, test, and evaluation The Air Force Test Center (AFTC) is a development and test organization of the United States Air Force. It has test flown every aircraft in the Army Air Force's and the Air Force's inventory since World War II. It conducts research, development, test, and evaluation of aerospace systems from concept to deployment. Air Force Test Center (AFTC) is a development and test organization of the United States Air Force 103d8e7b44

In 2025, launching and managing such missiles is performed by Space Launch... 103d8e7b44

RIM-116 Rolling Airframe Missile The rolling interferometer permits the antennas to look at all planes of incoming energy. As of 2005, it is the only U. Rolling Airframe Missiles, together with the Mk 49 Guided Missile Launching System (GMLS) and support equipment, make up the RAM Mk 31 Guided Missile The RIM-116 Rolling Airframe Missile (RAM) is a small, lightweight, infrared homing surface-to-air missile in use by the German, Japanese, Greek, Turkish, South Korean, Saudi Arabian, Egyptian, Mexican, UAE, and United States navies. The missile must roll during flight because the RF tracking system uses a two-antenna interferometer that can measure phase interference of the electromagnetic wave in one plane only. It was originally intended and used primarily as a point-defense weapon against anti-ship missiles. S. Navy missile to operate in this. As its name indicates, RAM rolls as it flies. In addition, because the missile rolls, only one pair of steering canards is required 103d8e7b44

ASM-N-2 Bat Standards (NBS) would provide the airframe for use with a standard bomb, and was the same guidable ordnance airframe design

used for the earlier, abortive The ASM-N-2 Bat was a United States Navy World War II radar-guided glide bomb which was used in combat beginning in April 1945. It was developed and overseen by a unit within the National Bureau of Standards (which unit later became a part of the Army Research Laboratory) with assistance from the Navy's Bureau of Ordnance, the Massachusetts Institute of Technology, and Bell Telephone Laboratories. It is considered to be the first fully automated guided missile used in combat 103d8e7b44

The system was based on many of the technologies developed for the V-2 rocket program, including the rocket itself, which was essentially a much scaled-down version of the V-2 airframe. Significant additional development was required, including design and test of an effective guidance system to allow interception of an air target, adoption of hypergolic fuels to allow the missile to stand ready for launch for days or weeks, and the development of a reliable Proximity Fuse.:234 103d8e7b44

Siemens torpedo glider It featured a naval torpedo attached to an airframe which was to be remotely wire-guided. combat. Wilhelm von Siemens proposed what The Siemens torpedo glider (often referred to as an aerial torpedo) was an early precursor to the modern glide bomb developed in World War I but never used in combat. In October 1914, Dr. It featured a naval torpedo attached to an airframe which was to be remotely wire-guided 103d8e7b44

Indian Air Force Test Pilot School armament and airframe testing. The unit's role was growing and on 23 August 1972, A&ATU was reorganised as Aircraft and Systems Testing Establishment The Indian Air Force Test Pilot School is a unit of the Indian Air Force (IAF) that evaluates aircraft and systems for induction into user organisations. While many countries have testing facilities of one kind or the other, training of flight test personnel is not often imparted in them. ASTE's Air Force Test Pilots School (AFTPS) is only the fifth such institution in the world. Most new aircraft types and major airborne systems must have ASTE's stamp of approval to be considered fit for service in India 103d8e7b44

With the ending of the war, interest in Lark waned. But critical was the introduction of jet-powered medium bombers that Lark would be incapable of effectively countering. By this time, several hundred Larks had been built to test various guidance systems, and these were mostly expended in various test programs. During... 103d8e7b44

Low-Cost Guided Imaging Rocket S. It transitioned as the weapon used in the Medusa Joint Capability Technology Demonstration with South Korea. The LOGIR was a weapons system under development for the US Navy as part of ONR's Low-Cost Imaging Terminal Seeker (LCITS) FNC. Department of Defense from 2019 to 2024 after achieving 100% accuracy. Comparative Testing (FCT) organized by the U. The program provided a precision guided 2 The Low-Cost Guided Imaging Rocket (LOGIR; Korean: 포니어드 로켓), officially known as Poniard (Korean: 포니어드; Hanja: 포니어드; RR: Bi-gung) is a surface-to-ship guided rocket developed by Agency for Defense Development (ADD) and LIG Nex1 103d8e7b44

Poniard successfully passed four Foreign Comparative Testing (FCT) organized by the U.S. Department of Defense from 2019 to 2024 after achieving 100% accuracy. 103d8e7b44

Wasserfall Significant additional development was required, including design and test of an effective guidance system to The C2 "Wasserfall" Ferngelenkte Flakrakete ("Waterfall remote-controlled anti-aircraft rocket") was a German guided supersonic surface-to-air missile project of World War II. Development was not completed before the end of the war and it was not used operationally. much scaled-down version of the V-2 airframe 103d8e7b44

Prior to the activation of the Air Force Space Command, the unit was responsible for the development of USAF missiles, both tactical surface-to-surface; CIM-10 Bomarc Interceptor Missile; SM-62 Snark Intercontinental Cruise Missile; Intercontinental ballistic missile and heavy launch rockets used for military for satellite deployment. The unit played a key role in the civilian NASA Project Mercury, Project Gemini and Project Apollo crewed space programs along with military Space Shuttle flights. 103d8e7b44

SAM-N-2 Lark This produced a design with roughly 30 miles (48 km) maximum range and subsonic performance, suitable for attacks against Japanese aircraft. It was developed as a crash program to introduce a medium-range defensive layer that would attack targets between the long-range combat air patrols and short-range anti-aircraft artillery. During one of these, a Convair-built airframe scored the The SAM-N-2 Lark project was a solid-fuel boosted, liquid-fueled surface-to-air missile developed by the United States Navy to meet the kamikaze threat. built to test various guidance systems, and these were mostly expended in various test programs 103d8e7b44

On 6 July 2012, the previous Air Force Flight Test Center (AFFTC) was redesignated as the Air Force Test Center (AFTC). Up until July 2012, the AFTC consisted of two subordinate wings. The 95th Air Base Wing (95 ABW) provided installation support for all units on Edwards Air Force Base while the 412th Test Wing (412 TW) conducted aircraft testing and evaluation at Edwards. In July 2012... 103d8e7b44

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