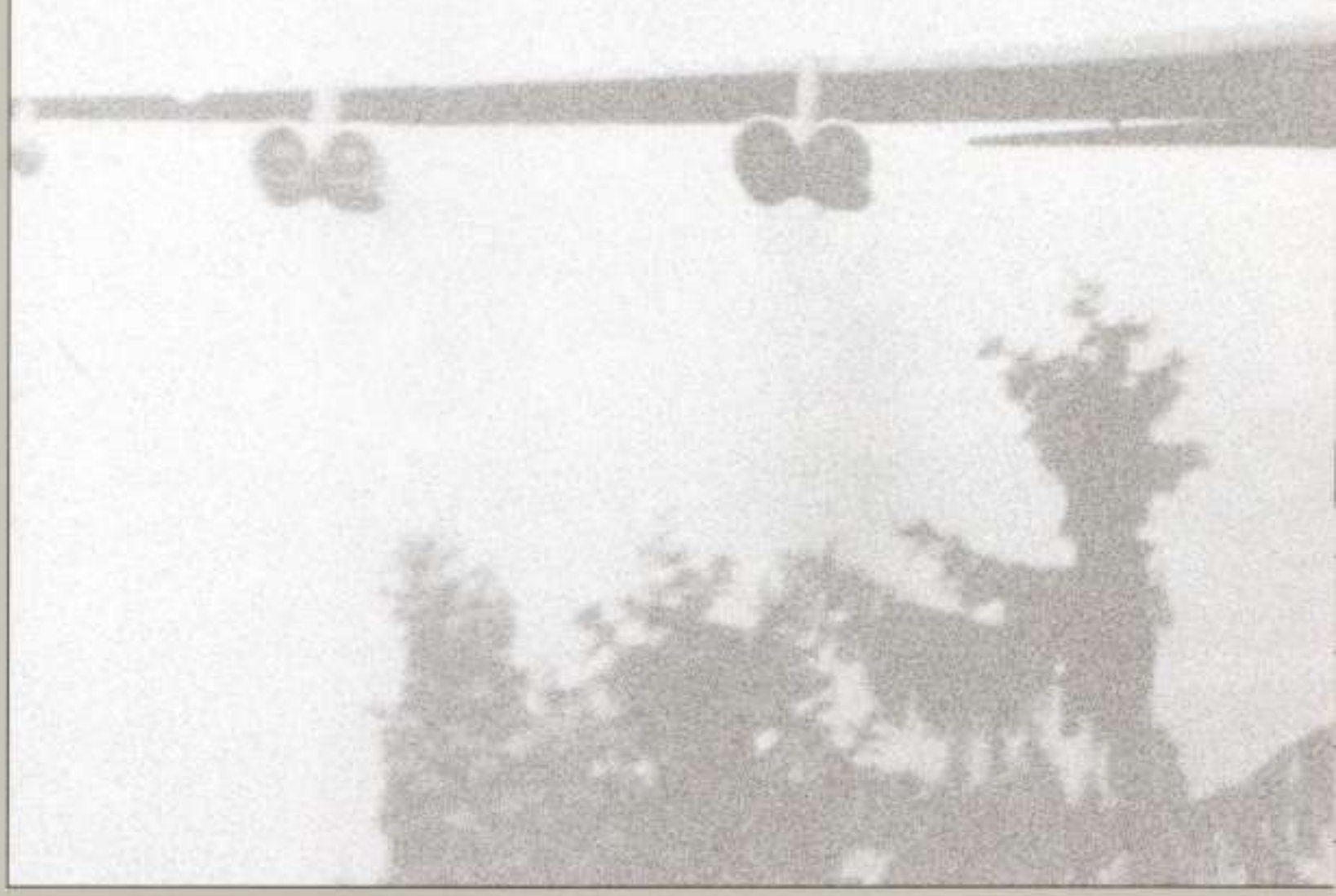
B-52

Past

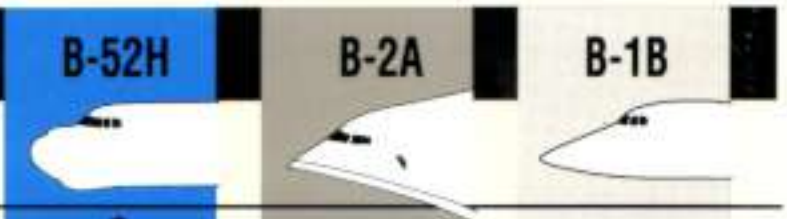
The B-52 was originally designed to project the U.S. nuclear presence worldwide. It has since evoloved to include a conventional role—providing a powerful and versatile dual role platform.



The Boeing B-52 Stratofortress

THE B-52'S CONTRIBUTION TO THE BOMBER FORCE

CONVENTIONAL / NUCLEAR WEAPONS CAPABILITY



		B-52H	B-2A	B-1B
NUCLEAR WEAPONS				
PRECISION GUIDED WEAPONS				
Air Launch Cruise Missile (ALCM)	**AGM-86B**	●		
Advanced Cruise Missile (ACM)	**AGM-129A**	●		
GRAVITY WEAPONS				
	B-53	●		
	B-83, B-61	●	●	
CONVENTIONAL WEAPONS				
PRECISION GUIDED WEAPONS				
Conventional Air Launch Cruise Missile (CALCM)	**AGM-86C**	●		
HARPOON Anti-ship Missile	**AGM-84**	●		
HAVE NAP TV-guided	**AGM-142**	●		
GRAVITY WEAPONS				
500 lb. Bomb	**MK 82**	●	○	○
750 lb. Bomb	**MK 117**	●	○	
2000 lb. Bomb	**MK 84**	●	●	
Cluster Bomb Unit (Munitions Dispensors)	**CBU 87, 89, 97**	●	●	○
Large Mines (Navy Mission Support)	**MK 55, 56**	●		
	MK 36, 62	●		
	MK 63, 64	●		
CURRENT BOMBER CONVENTIONAL WEAPON INTEGRATION PROGRAMS				
Rocket Propelled GBU-15	**AGM-130**	○		
Joint Direct Attack Munition	**JDAM**	○	○	
Joint Stand-off Weapon	**JSOW**	○		
Wind Corrected Munitions Dispensor	**WCMD**	○		
Joint Air-to-Surface Stand-off Missile	**JASSM**	○	○	

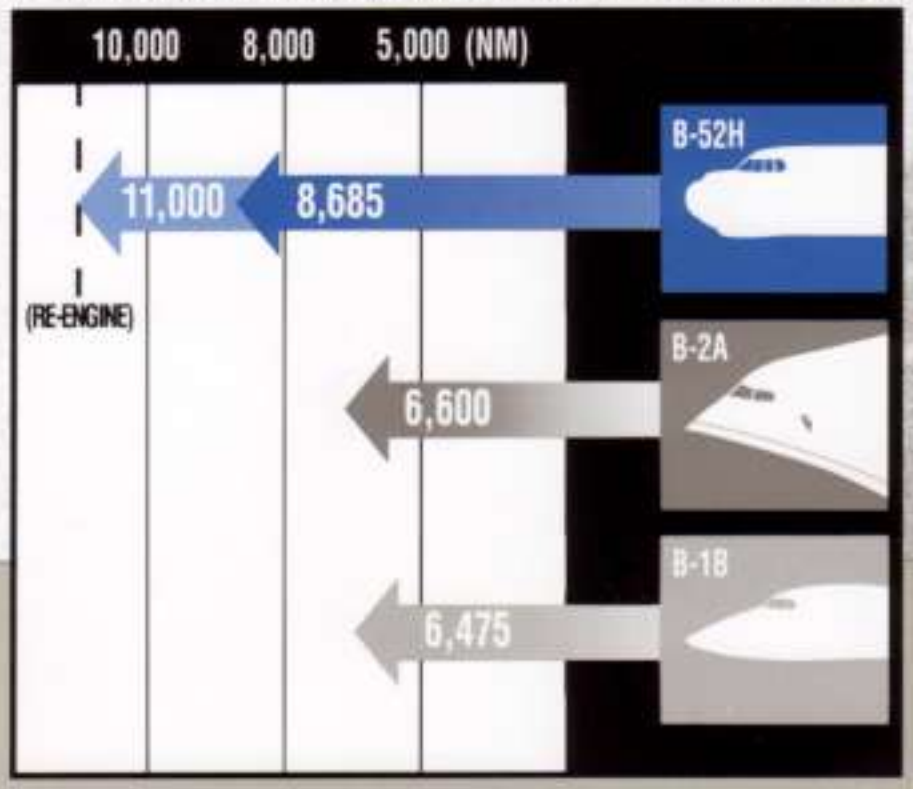
The B-52 is the only heavy bomber capable today that can deliver the complete inventory of conventional and nuclear weapons making it a critical part of Defense Guidance requirements to project power.

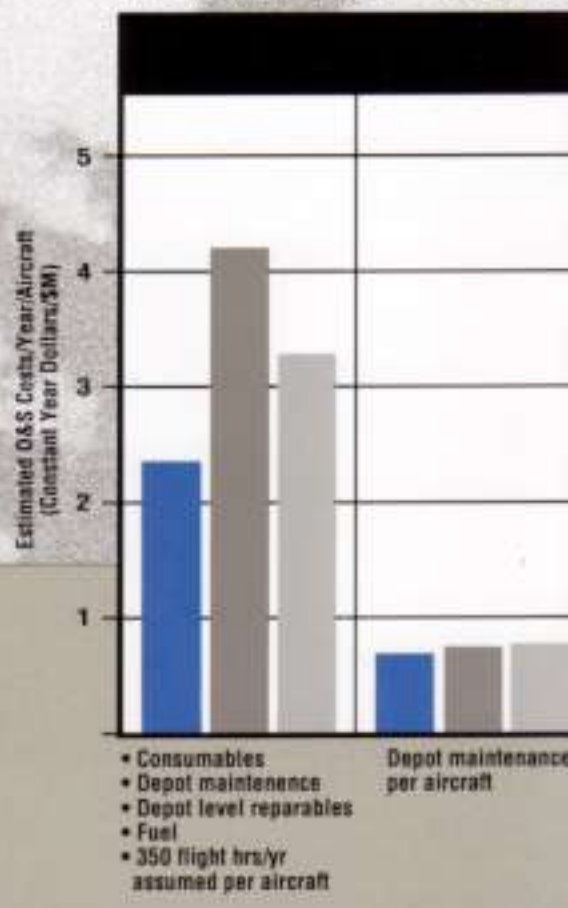
- Serves a dual role – nuclear and conventional
- Carries 80% of the bomber nuclear contribution to the Single Integrated Operating Plan (SIOP)
- High altitude and low level penetration
- Certified for all conventional munitions – Sole CALCM, HAVE NAP and HARPOON carrier
- Direct attack and stand-off capability

● **Current capability** ○ **Bomber weapon integration in development**

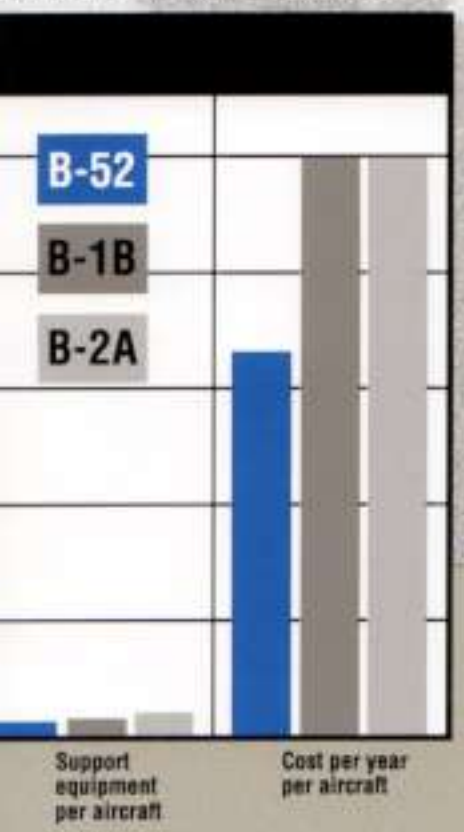
Readiness

The B-52 is ready today to defend U.S. vital interests anywhere on the globe. It is the most combat capable aircraft in today's heavy bomber force structure. With two-thirds of its service life remaining, the B-52 can provide the most cost-effective, long range weapons delivery capability well into the next century.

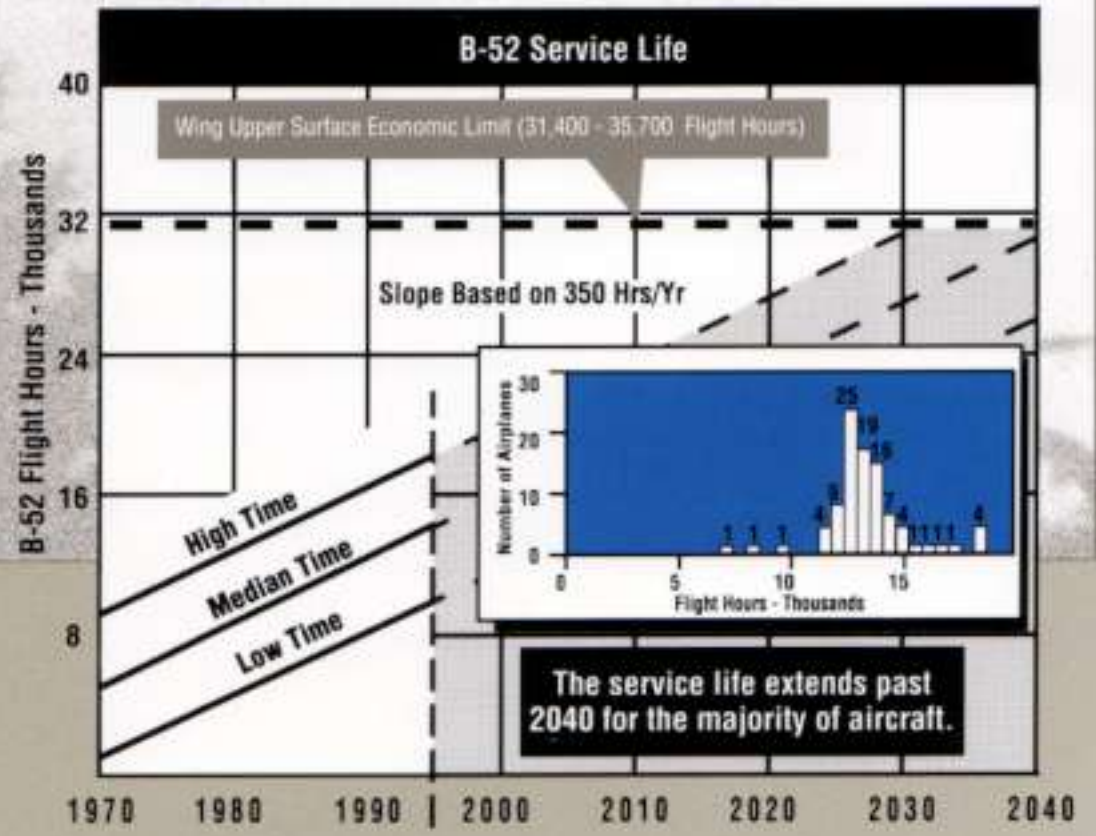




RATING COST



PROJECTED LIFE INTO THE NEXT CENTURY



THE FUTURE OF THE B-52

Modernization

At the very time when bombers are emerging as America's most critical 21st Century military asset, three enhancements—engine replacement, cockpit modernization and weapons carriage expansion—would ensure the B-52s continued role as a global power projection platform. To capitalize on available off-the-shelf technology, an aggressive modernization program would improve the B-52's lethality, sustainability and survivability.

Bomber Requirements for the 21st Century

- Long-range power projection
- Nuclear and conventional weapons delivery capability
- Stand-off weapons carriage
- Reliable, maintainable and sustainable
- Low operational and support costs
- Capitalize on non-developmental and commercial technology

Re-engined B-52

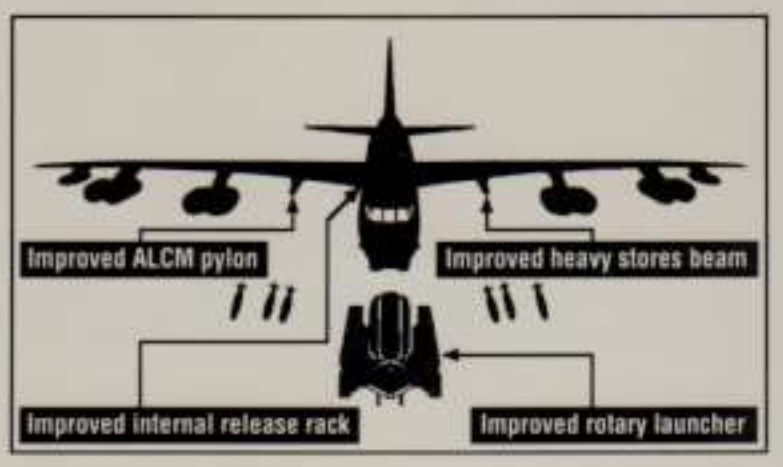
- Provides better mission performance – increases range and payload
- Reduces tanker dependency
- Lowers operational and support costs
- Uses commercial off-the-shelf engines, nacelles and struts

New Commercial Cockpit

- Lowers operational and support costs
- Increases situational awareness
- Reduces crew workload
- Uses commercial off-the-shelf technology
- Reduces crew training requirements

Improved Weapons Carriage

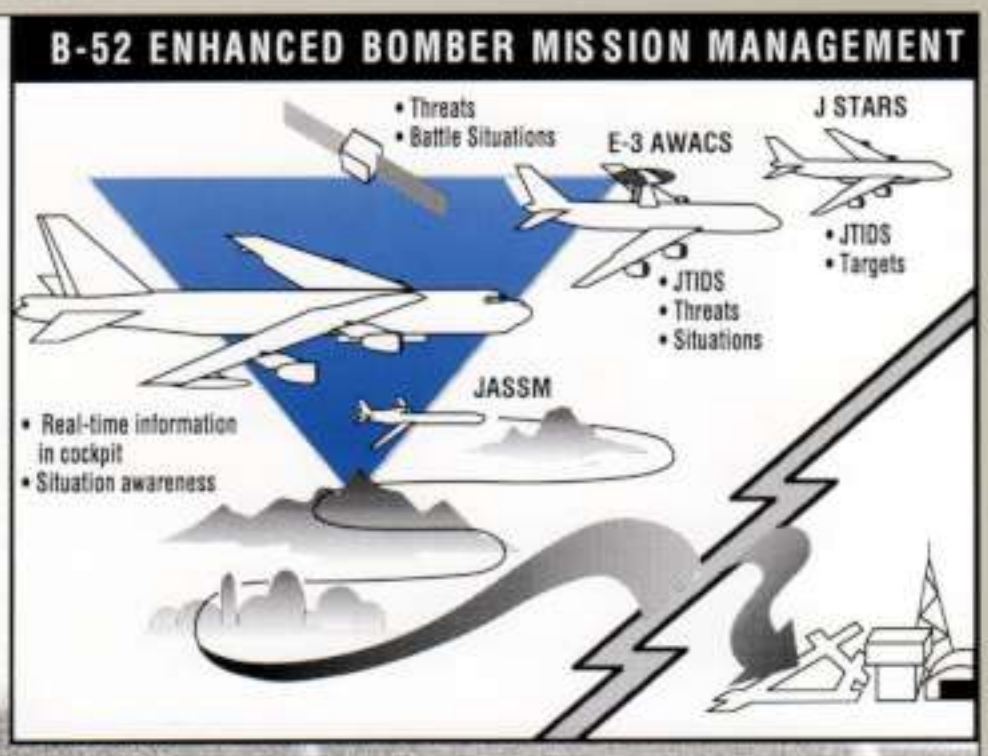
- Increases weapons carriage
- Maintains both nuclear and conventional delivery
- Lowers operational and support costs
- Enhances force structure
- Lowers ops tempo by reducing sortie rate requirements



The B-52 *is a Bomber of the Future.*

Future

Modernization of the B-52 with new commercial engines and cockpit will increase its range and payload delivery capability, while reducing tanker dependency and operating cost.



Long Rifle

August 25, 1995, the B-52 established a new world record for range and weapons delivery.

Present

The B-52 is the only bomber capable today of employing the complete current inventory of nuclear and conventional bomber gravity weapons, precision guided munitions, and stand-off weapons.

BOEING

Facts & Figures

Manufacturer	Boeing
Length	157.6 ft
Wing Span	185 ft
Max Takeoff Wgt	488,000 lbs
Max Weapons Payload	70,480 lbs
Engines: Pratt & Whitney TF-33 Max Thrust:	128,000 lbs
Unrefueled Range	8,685 mi

Did you know...

. . . that in 1943, it would have taken 1,500 B-17s carrying 9,000 1-ton bombs to destroy one 60 x 100 ft. target? Today, a single B-52 using laser-guided munitions could destroy 10 similar targets AND deliver 35,000 lbs of other weapons such as cruise missiles, precision-guided munitions, or numerous other gravity weapons.

. . . that the B-52 can travel over 6,500 NM (1/4 of the way around the world) and deliver a massive weapons payload without refueling . . . on a moments notice?

. . .that the B-52 dropped 29% of the bombs used by the U.S. in Desert Storm—over 25,700 tons or 72,000 weapons?

. . . that on Aug 25, 1995 the B-52 set a world record for a flight of 10,000 kilometers (6,200 miles) in 11 hrs, 23 min. without refueling, and carried a 5,000 kilogram (11,000 lb) payload at an average speed of 556 mph?