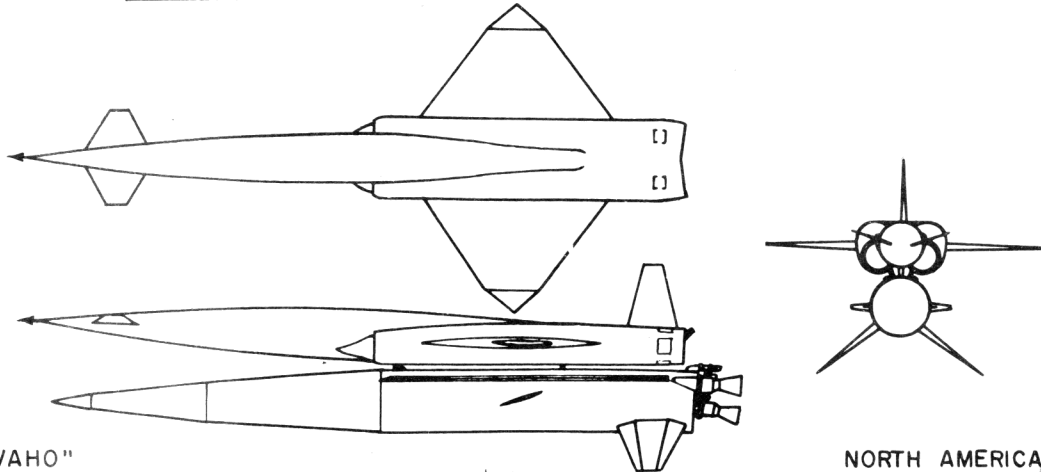


C6
XSM-64A NAVAHO/char

Characteristics Summary

STRATEGIC MISSILE.....XSM-64A



"NAVAHO"

NORTH AMERICAN

Wing Area 761.0 sq ft Length (Missile) 87.6 ft
 (Booster) 92.1 ft
 Span 42.7 ft Height (Combination) 95.2 ft
 Height 15.3 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. Mock-up board convened: Jun 55
2. Contract approved (four missiles and boosters): Dec 55
3. First flight: Dec 58

Navy equivalent: None

Mfr's model: - G-38

POWER PLANT

(2) XRJ47-W-7
Wright Aero Corp

ENGINE RATINGS

ALT	LB	MACH
45,000	11,300	3.25

BOOSTER

Nr & Model . . . XLR83-NA-1
 Mfr North American
 Thrust (lb) 415,000
 Duration (sec) 110

FEATURES

Low thickness ratio trapezoidal wing
 Canard configuration with all-movable elevator
 Parallel mounted liquid rocket propelled booster
 Corrosion-resistant steel and titanium stressed skin design

Max fuel capacity: 11,510 gal

GUIDANCE

Autonavigator NAA N6B

Radar beacon system
 NAA NARB-2

Radio command system
 NAA NARC-3

CONTROL
 Flight control system
 NAA P3A

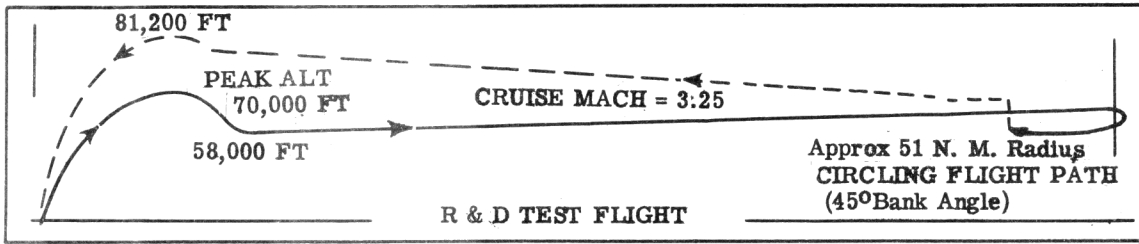
TELEMETERING
 Telemetering system
 NAA NART-1

Revision basis: To revise empty weight and engine data. May 57

*Classification cancelled Confidential or changed to ~~Secret~~
 AUTH: AG 86, AFSC be class Guide 1 Jan 64
 By: a R. Tombaron 7 Apr 67
 Signature and Grade: 16 Dec 1966 19 Dec 69*

H⁴ Ed adm¹³

Characteristics Summary Basic Mission XSM-64A



PERFORMANCE		
ENDURANCE	RANGE	S P E E D
170 minutes	5000 naut mi. with _____ lb payload M = 3.25 Cruise	M = 3.25 at cruise power
LAUNCHING	CLIMB	ALTITUDE
Launched vertically from a mobile erector vehicle to simulate the operational concept as closely as possible.	_____ fpm sea level, launching wt., max power _____ fpm ft alt, begin cruise wt., max power	Begin Cruise 58,000 ft. End Cruise 81,200 ft.
L O A D	W E I G H T S	RECOVERY
Fuel Booster: RJF-104A 7246 gal Oxidizer 12,182 gal Missile RJF-104A . . . 11,510 gal	Empty (Missile) 31,365 lb Booster 13,045 lb Landing 35,320 lb Launch (Missile) 119,424 lb (Booster) 179,076 lb Combination 298,500 lb	Recovery is made in a power-off condition by automatic control of flight path and airspeed. Ground roll is limited by a chain barrier (Nose wheel, main skid, and wing tip skids).

N O T E S
<ol style="list-style-type: none"> 1. Performance Basis: <ol style="list-style-type: none"> (a) Contractor's estimated data 2. Revision Basis: <ol style="list-style-type: none"> (a) To revise characteristics data.