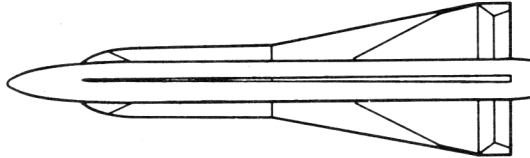
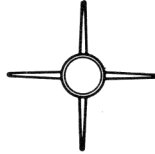


Characteristics Summary

INTERCEPTOR XGAR-1A



" FALCON "

HUGHES

Wing Area N.A. Length 83.3 in.
 Span 24.0 in. Height 24.0 in.

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

- Formerly designated XF-98A

POWER PLANT

SUSTAINER
 (1) Solid Rocket Motor
 2 - level thrust
 Hughes Aircraft Co.

THRUST RATINGS
 S.L.S. LB Duration (sec)
 Max: (1) 3200 - 0.8
 (2) 900 - 4.0

BOOSTER
 Not Applicable

FEATURES

Cruciform Arrangement of
 Wings and Tail

Semi-Active Target Seeker

Gyro-controlled Antenna

Max Fuel Cap: 24 lb

GUIDANCE

(a) INITIAL:
 X-Band Pulse
 Radar MX-1179B

(b) MID-COURSE & Term-
 inal

Semi-Active Radar
 Target Seeker

CONTROL
 Operated by the error signal
 from target seeker

DOWNLOADED FROM
 DECLASSIFIED AFTER 10 YEARS:
 DOD DIR, 5200.10
 a. R. Tomlinson
 11 Apr 67

3rd Ed addn #4

53 WC - 12000

Characteristics Summary Basic Mission XGAR-IA

NOT APPLICABLE

|----- HIGH ALTITUDE INTERCEPTOR -----|

PERFORMANCE		
ENDURANCE	RANGE	S P E E D
SEE NOTE (b)	SEE NOTE (b) naut mi. with lb payload at knots avg. in hours	MAX 2185 knots at 40,000 ft, rocket burnout
LAUNCHING	CLIMB	ALTITUDE
<u>METHOD</u> Short Length Rail Rocket launched in 20 seconds from time target is sighted	NOT APPLICABLE fpm sea level, launching wt., max power NOT APPLICABLE fpm ft alt, begin cruise wt., max power	<u>OPERATING</u> Minimum 5000 ft. Maximum 60,000 ft.
L O A D	W E I G H T S	TARGET ACCURACY
Warhead: 12 lb Fuel: (Plastisol) 24 lb protected 0 % droppable 0 % external 0 %	Empty 96 lb Burnout 108 lb Launch 132 lb	85% for salvo of 6 rockets against a Mach 1.2 target (100 foot wing span)

N O T E S

1. PERFORMANCE BASIS:
 (a) Estimated data (Not substantiated by WADC)
 (b) Performance data will be published when available

2. REVISION BASIS: Initial Issue