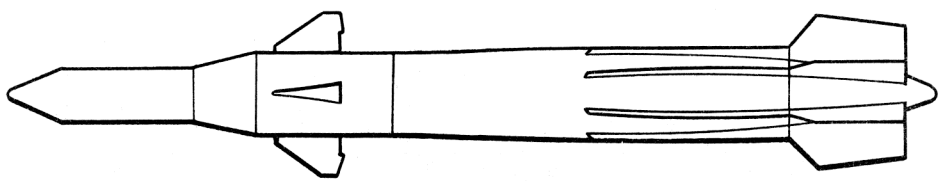


Unclassified
~~CONFIDENTIAL~~ SECRET

C-4
Skybolt Paper

Characteristics Summary

ALBM. GAM-87A



DOUGLAS

Length (overall) 35.9' Gross Wt 10,930 lb
 Diameter (max) 5.3'

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

S T A T U S

Contractor Initiated 30 Jan 59
 GAM-87A is an air-launched ballistic missile designed to fulfill the requirements of SAC and the RAF for a long-range atomic weapon to arm existing bombing forces. Now under initial development, it is planned to be available in the early 60's.

POWER PLANT	
STAGE	I II
Diameter (in)	36 34
Length (in)	172 40
Weight (lb)	7565 1400
Burn Time (sec)	40 40
Specific Imp	255 255
Oper. Press. (PSIA)	500 1000
PROPELLANTS	
Phase I	
65% Ammonium Perchlorate	
17% Aluminum	
18% Polyurethane	
Phase II	
55% Ammonium Perchlorate	
20% Aluminum	
25% Nitro Plasticized Polyurethane	
75% Solids	

F E A T U R E S
Canard Configuration
Interchangeable warheads
Carrier Aircraft
B-52
B-70
British V Bombers
CEP = 3000 ft for 1000 n mi

GUIDANCE
Non-radiating, all inertial, stellar alignment prior to launch

CLASSIFICATION CANCELLED
 (OR CHANGED TO *Unclassified*)
 BY AUTHORITY OF DOD DIR 5200.10
 (INDIVIDUAL OR VENDOR)
Clairaw M. White 22 Mar 73
 (BY GRADE OF INDIVIDUAL MAKING CHANGE) (U)

Confidential
 (OR CHANGED TO *Confidential*)
 BY AUTHORITY OF DOD DIR 5200.10
 (INDIVIDUAL OR VENDOR)
 BY *Downgraded at 3 year intervals;
 Declassified after 12 years.
 DOD DIR 5200.10*
a.k. Jonathan 11 Apr 67

577c4983

Characteristics Summary Basic Mission **GAM-87A**

--

PERFORMANCE

ENDURANCE	RANGE	S P E E D
	with _____ naut mi. at _____ lb payload in _____ knots avg. _____ hours	CRUISE _____ knots at ft alt, power MAX _____ knots at ft alt, power MIN _____ knots at ft alt, power

LAUNCHING	CLIMB	ALTITUDE
	_____ fpm sea level, launching wt., max power	Begin Cruise _____ ft.
	_____ fpm ft alt, begin cruise wt., max power	End Cruise _____ ft.

L O A D	W E I G H T S	TARGET ACCURACY
Fuel: _____ gal protected _____ % droppable _____ % external _____ %	Empty _____ lb End Cruise _____ lb Launch _____ lb Limited by _____	

N O T E S

Performance data will be supplied when available.