

A-6E INTRUDER

JAN 1980

OPERATIONAL/TECHNICAL  
(U) CHARACTERISTICS

	S/L Store Del 4-300 Gal Tanks +1 MK 43	Close Support 4 MK 56 Mines +1-300 Gal Tank	Close Support 30 Mk 81 SNAKEYES
Takeoff Weight . . . . .	53,863, lb . . . . .	54,759, lb . . . . .	52,520 lb
Length/Span . . . . .	54'7"/53'0" . . . . .	54'7"/53'0" . . . . .	54'7"/53'0"
Height/Height Folded . . . . .	16'3"/21'11" . . . . .	16'3"/21'11" . . . . .	16'3"/21'11"
Engine No./Type . . . . .	2/J-52-P-8A/B . . . . .	2/J-52-P-8A/B . . . . .	2/J-52-P-8A/B
Crew . . . . .	2 . . . . .	2 . . . . .	2
Combat Speed/Alt . . . . .	563 kts/SL . . . . .	429 Kts/15,000 . . . . .	502 Kts/5000'
Combat Ceiling . . . . .	41,000' . . . . .	26,600' . . . . .	37,500'
Rad/Mission Time . . . . .	864 nm/4.82 hrs . . . . .	461 nm/3.1 hrs . . . . .	383 nm/2.09 hrs
Spd Max @ SL Stores Retained . . . . .	563 kts . . . . .	407 kts . . . . .	504 kts

(U) SPECIAL FEATURES

Only all weather attack aircraft in the free world.

(C) MILESTONES

A-6E

Contract Executed (Prototype) . . . . .	Aug 69
First Flight (Prototype A/C) . . . . .	Mar 70
NPE (begin/end) . . . . .	Apr/May 71
First Production Contract Executed . . . . .	Dec 70
First Flight (Production A/C) . . . . .	Jul 71
Acceptance First Production A/C . . . . .	Sep 71
BIS (begin/end) . . . . .	Sep/Jan 72
Fleet Introduction - LANT, CRAW . . . . .	Dec 71
Navy Support Date . . . . .	Sep 71
First Deployment . . . . .	Sep 72

A-6E TRAM

Development Contract . . . . .	Jun 72
Design Completion . . . . .	May 73
Pilot Production Deliveries (Begin/End) <sup>1/</sup> . . . . .	Apr 75/ Jun 75
Contractor Test and Evaluation Completion . . . . .	Apr 76
IOT&E Completion . . . . .	Jun 76
Production Go-Ahead (Limited) . . . . .	Jul 76
Production Go-Ahead (Full) . . . . .	Nov 79
First Aircraft Delivery - Full TRAM . . . . .	Sep 79
IOC . . . . .	Feb 79

<sup>1/</sup>Three FY 1974 Production Aircraft

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JAN 1980

EA-6B

(C) OPERATIONAL/TECHNICAL  
CHARACTERISTICS

Development  
Estimate

Current  
Estimate

(U) 1. Operational

a. Speed (Kts)

(1) Max at Sea Level

516

516

(2) Stall Speed (Power Approach)

104

103

b. Specific Range at Optimum Altitude (NM/lb)

.0836

.0906

c. Takeoff Distance (over 50' obstacle) (ft)

5530

4360

d. Radius/Range (Combat) (NM)

NAV

304/1942

e. Combat Ceiling Altitude (ft)

NAV

34,400

f. Mission Reliability

NAV

NAV

g. Maintainability

(1) Progressive Aircraft Rework (PAR)

cycle (monts)

NAV

24

(2) Maintenance Man Hours per Flight Hour

NAV

36

h. Weight (Takeoff) (lb)

NAV

56,800

i. Dimensions (Length/Span) (ft)

NAV

59/53

(C) 2. Technical (Electronic Warfare System)

a. Effective Radiated Power (ERP) (W/MHZ)

Band 1

150

745

Band 2

150

907

Band 4

1300

1300

Band 5

1300

2500

Band 6

1300

2500

Band 7

4500

4500

Band 8

4600

5000

Band 9

4600

6000

b. DF Accuracy (Deg. Error)

Band 5

14.5

10.0

Band 6

14.5

10.0

Band 7

10.0

6.0

Band 8

11.5

10.0

Band 9

10.5

10.0

c. Probability of Mission Success (%)

85

90.2

CLASSIFIED BY: OPNAVINST S5513..2-20  
DECLASSIFY ON: 31 Dec 1989

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