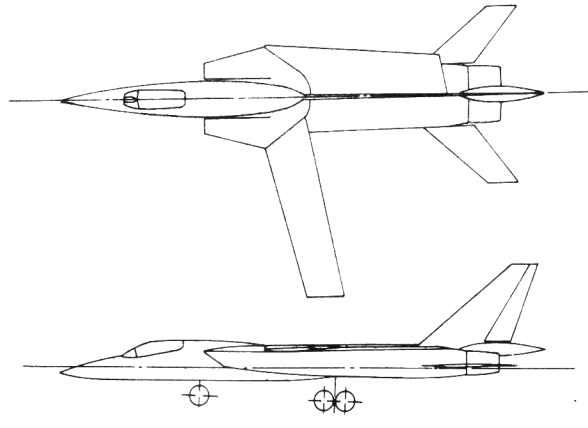


Classification cancelled ~~Confidential~~
 or changed to ~~Unclassified~~ *Guide*
 AUTH: *AFSC-AF 156 Sec class* *1 Jan 64*
 BY: *R. Lonsdale* *3 Sept 64* *400 D, 8500.10*
 Signature and Grade *23 Oct 1967*

Unclassified
~~Confidential~~
SECRET
A-1
TFX/cna

Characteristics Summary

TACTICAL FIGHTER X (W.S.324A) TYPICAL DESIGN



WADD 46

Wing Area (wgs out) 500 sq ft Length 73.0 ft
 Span 70.0 ft Height 19.0 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
TEST	INVENTORY	TOTAL				

STATUS

Official go-ahead was received on 6 Sep 61. Present planning is being revised to reflect Joint Service (USAF & Navy) participation. Request for proposal was submitted to industry Oct 61; contract award was made to General Dynamics Corp and Boeing Co. on 1 Feb 62.

Elimination of the unsuccessful contractor will be made as a direct result of source selection re-evaluation being conducted. The Pratt & Whitney Aircraft Division of United Aircraft Corp was selected as engine contractor.

POWER PLANT

(2) TF-30(JTF10A-20)

Pratt & Whitney

ENGINE RATINGS

SLS	LB	RPM	MIN
Max	*18,500	14,900	30
Mil	10,750	14,500	30
Nor	8500	14,000	Cont

*With afterburner operating

FEATURES

Crew 2

Short T.O. and Landing Capability

Reconnaissance Capability

Variable Sweep Wing

Forward Looking Radar

Weapons Bay

Fuel Capacity (Internal)
3700 gal

ARMAMENT

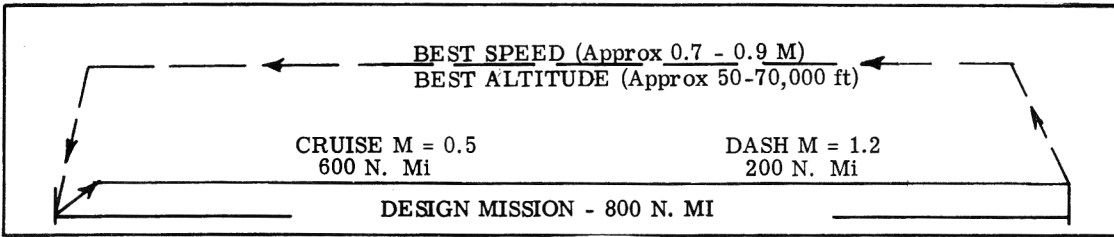
The complete spectrum of nuclear and conventional weapons may be carried. The majority of these weapons can be carried in the weapons bay, although external carriage for conventional weapons is provided.

DOWNGRADED AT 3 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS
 DOD DIR 5200.10

J. M. Yehito, 3/14/77

57WC-4983

Characteristics Summary Basic Mission TAC FIGHTER X
(W.S. 324A)



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
(LO - LO - HI) 800 naut. mi with 2000 lb payload	④ 3920 naut. mi with 4000 gal fuel at 400 knots avg. in 9.8 hours at 60,000 lb T.O. wt.	COMBAT 1.2 Mach at 500 ft alt, max power MAX 2.5 Mach at 40,000 ft alt, max power BASIC 1.2 Mach at 500 ft alt, max power

INTCPT RADIUS	C E I L I N G	T A K E - O F F
Approximate: 600 naut. mi at 2.2 Mach at 60,000 lb T.O. wt	Required: 60,000 ft 500 fpm, combat weight maximum power	ground run 1682 ft no assist over 50 ft height 2200 ft no assist

L O A D	W E I G H T S	L A N D I N G D I S T
Design Mission: Special Store .. 2000 lb Fuel: 3700 gal protected 0 % droppable 0 % external 0 %	For WADD 46 Empty..... 33,083 lb Combat... 48,000 lb Take - off 60,000 lb	over 50 ft obstacle wt = 37,500 lb W/Thr Rev. W/O Thr Rev 2590 ft or Drag Chute 4000 ft

N O T E S

1. Performance Basis:
 - (a) Estimated data
 - (b) The Load, Weights, Landing Distance data reflect the characteristics of the WADD 46 (60,000 lb) configuration for this weapon system and present values which can be expected for an air vehicle of this size incorporating variable sweep wing design.
2. Performance Reference: Development Plan, dated May 1960.
3. Revision Basis: Data reCOORDINATED.