

MISSION PLANNING FORM

MISSION CONDITIONS

AIRCRAFT MODEL

F-5E3

1. Delivery Mode				<u>Dive</u>	
2. Stores: Tip <u>AIM-9PS</u> Outbd <u>2 MK-82</u> Inbd <u>2 Fuel Tank</u>			CL	<u>5 MK-82</u>	
3. Type of Fuzing (Impact) (Delay) (VT)					
a. Type					
b. Action					
c. Function Delay					
d. Arming Delay (_____ % Tolerance)					
4. External Weight Index:					
a. Tip					
b. Outbd					
c. Inbd					
d. CL (Tank empty, if installed)					
e. Total Weight					
5. Aircraft Operating Weight					
6. 20MM Ammo Weight					
7. Fuel Remaining over Target					
8. Aircraft Gross Weight over Target (Add: #4 e, #5, #6, and #7)					
9. Target Elevation MSL					
10. Approach Course to Target					
11. Minimum Recovery Altitude AGL (Check: #19 minus #20)					
(Established by Major Command)					

RELEASE CONDITIONS

12. Safe Escape and Fuze Arming:		
a. Minimum Release Altitude AGL for Frag Clearance	<u>2500</u>	ft
From Safe Escape Table (Ensure #18 or #31 is greater than #12a)		
b. Minimum Release Altitude AGL for Fuze Arming	<u>2500</u>	ft
From Fuze Arming Table (Ensure #18 or #31 is greater than #12b)		
c. Check Fuze Arm Delay Setting plus Fuze Tolerance LESS		
than Bomb Time of Flight	(<u>N/A</u>)	
13. Forecast Temperature at Release Altitude MSL (From #19)	<u>-1</u>	°C
14. Forecast Altimeter Setting over Target	<u>29.92</u>	In. Hg
15. Release KIAS	<u>400</u>	kt
16. Release KTAS	<u>N/A</u>	kt
17. Dive Angle	<u>30</u>	deg
18. Release Altitude AGL (Must be greater than #12)	<u>3000</u>	ft
19. Release Altitude MSL (Add: #9 and #18)	<u>4700</u>	ft
20. Altitude Loss During Pullout (From Dive Recovery Chart)	<u>N/A</u>	ft
21. Altimeter Lag (From Altimeter Lag Chart)	<u>N/A</u>	ft
22. Altimeter Correction (From Altimeter Correction Chart)	<u>N/A</u>	ft
23. Indicated Release Altitude MSL (Add: #19, #21, and #22)	<u>4700</u>	ft
24. Angle of Attack (ZSL) (From Angle of Attack Chart) (Flaps ____ / ____)	<u>-144</u>	mils

MISSION PLANNING FORM (CONT)

WIND VALUES

25. Forecast Wind	<u>0</u>	° True	<u>0</u>	kt
26. Relative Wind (From Relative Wind Vector Chart)	<u>0</u>	° True	<u>0</u>	kt
27. Rangewind Component (Head) (Tail)			<u>0</u>	kt
28. Crosswind Component (Left) (Right)			<u>0</u>	kt

DIVE AND LEVEL BOMBING CONDITIONS (SINGLE) (RIPPLE)

29. Bomb Time of Flight (Last Bomb for Ripple Release) (From Bomb Tables)	<u>1.0</u>	sec
30. Bomb Range (Horizontal) (From Bomb Tables)		ft
31. (Ripple Rel) Release Altitude of Last Bomb	<u>3000</u>	ft
(From Bomb Tables) (Must be greater than #12)		
32. (Ripple Rel) Bomb Pattern Length (From Bomb Tables)	<u>N/A</u>	ft
33. (Ripple Rel) Range from First Bomb to Center of Pattern (From Bomb Tables or #30 + One Half #32)	<u>N/A</u>	ft
34. Sight Depression from Flight Path (From Bomb Tables)	<u>-144</u>	mils
35. Headwind Correction Factor (+) (From Bomb Tables)	<u>0</u>	mils/kt
36. Tailwind Correction Factor (-) (From Bomb Tables)	<u>0</u>	mils/kt
37. Crosswind Correction Factor (From Bomb Tables)	<u>0</u>	ft/kt
38. Rangewind Correction to Sight Depression (#27 X #35, or X #36)	<u>0</u>	mils
39. Crosswind Correction (#28 X #37)	<u>0</u>	ft
40. Sight Depression Setting (Add: #24, #34, and #38)	<u>-144</u>	mils
41. Pylon Offset Correction (Left) (Right)	<u>N/A</u>	ft
Outbd Pylon 10.3 ft Inbd Pylon 7.8 ft		
42. Offset Aimpoint (Left) (Right) (#39 ± #41)	<u>N/A</u>	ft

GUN/ROCKET FIRING CONDITIONS

43. Rocket/Projectile Time of Flight	<u>N/A</u>	sec
44. Firing Slant Range	<u>N/A</u>	ft
45. Firing Horizontal Range	<u>N/A</u>	ft
46. Sight Depression Setting (No Wind)	<u>N/A</u>	mils
47. Rangewind Correction Factor	<u>N/A</u>	mils/kt
48. Crosswind Correction Factor	<u>N/A</u>	ft/kt
49. Rangewind Correction to Sight Depression Angle	<u>N/A</u>	mils
(+ head) (- tail) (#47 X #27)		
50. Sight Depression Setting (#46 + #49)	<u>N/A</u>	mils
51. Crosswind Correction (#48 X #28)	<u>N/A</u>	ft