MISSION PLANNING FORM

MISSION CONDITIONS   **AIRCRAFT MODEL**   _____

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

RELEASE CONDITIONS

12. Safe Escape and Fuze Arming:
   a.   Minimum Release Altitude AGL for Frag Clearance ……………………………….   _____ ft
             From Safe Escape Table (Ensure #18 or #31 is greater than #12a)
   b.   Minimum Release Altitude AGL for Fuze Arming ……………………………………   _____ 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 …………………………………………………   (_____)
13. Forecast Temperature at Release Altitude MSL (From #19) ………………………..   _____ °C
14. Forecast Altimeter Setting over Target ……………………………………………..   _____ In. Hg
15. Release KIAS …………………………………………………………………..   _____ kt
16. Release KTAS …………………………………………………………………..   _____ kt
17. Dive Angle ……………………………………………………………………..   _____ deg
18. Release Altitude AGL (Must be greater than #12) …………………………………..   _____ ft
19. Release Altitude MSL (Add: #9 and #18) …………………………………………..   _____ ft
20. Altitude Loss During Pullout (From Dive Recovery Chart) …………………………..   _____ ft
21. Altimeter Lag (From Altimeter Lag Chart) …………………………………………..   _____ ft
22. Altimeter Correction (From Altimeter Correction Chart) …………………………….   _____ ft
23. Indicated Release Altitude MSL (Add: #19, #21, and #22) ………………………….   _____ ft
24. Angle of Attack (ZSL) (From Angle of Attack Chart) (Flaps ___/___) ……………..   _____ mils

MISSION PLANNING FORM (CONT)

WIND VALUES

25. Forecast Wind ……………………………………………………… _____° True _____ kt
26. Relative Wind (From Relative Wind Vector Chart) ………….. _____° True _____ kt
27. Rangewind Component (Head) (Tail) ……………………………………….. _____ kt
28. Crosswind Component (Left) (Right) …………………………………….... _____ kt

DIVE AND LEVEL BOMBING CONDITIONS (SINGLE) (RIPPLE)

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

GUN/ROCKET FIRING CONDITIONS

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