

## Instructions for completing DA Form 5583

Most of the blocks on the form are self-explanatory. Entries should be made in all blocks. Blocks which are not applicable or the information is unknown should be notated as such. The items listed below are listed for further clarification. If you don't have the information for an item, leave the item blank. Do not guess any of the parameters on the form.

It is the responsibility of the Armament Personnel at the FARP to fill out this section. The missile data should be recorded prior to upload:

- a. Item 1. Enter in the location at which the missile firing/attempt was made.
- b. Item 2. Enter the date when the missile firing/attempt took place in month/day/year format (MM/DD/YYYY).
- c. Item 3. Enter the serial number of the missile. The serial number should be a 6 digit numeric entry.
- d. Item 4. Enter the lot number of the missile. The lot number should be 13 or 14 alphanumeric digits. The first three digits should be alpha character. The next consecutive two digits (fourth and fifth) should be numeric characters. The sixth digit should be an alpha character.
- e. Item 5. Enter the type/model of the missile (i.e. AGM-114C, AGM-114F, etc)
- f. Item 6. Check the block that indicates the launch platform used. If it is not listed, use the "other" field to designate the appropriate platform.
- g. Item 7. Enter the aircraft (A/C) tail number. If there are dashes in the A/C tail number, enter it without dashes.
- h. Item 8. Enter the call sign for the A/C.
- i. Item 9. Enter the Unit Identification Code (UIC) for the firing unit.
- j. Item 10. Enter the name of the unit attempting the firing.
- k. Item 11. Enter the serial number of the missile launcher. If there are dashes in the serial number, enter it without dashes.
- l. Item 12. This block is used to describe the installation where the missile is uploaded for the firing attempt. Check the block that indicates the position of the missile on the launcher when the firing attempt was made.
- m. Item 13. Enter the numbers that indicate the positions (from the diagram from field 12) of additional missiles loaded when missile was fired.
- n. Item 14\*. If the missile is equipped with an HMU (Health Monitoring Unit), enter the total number of hours displayed on the HMU indicating how many hours the missile has been carried on wing while the aircraft has earned flight hours. HMU will display "Captive Carry" or "V" Hours.
- o. Item 15\*. If the missile is equipped with an HF HMU, enter the number of hours the HF HMU says the missile's seeker section was powered on.
- p. Item 16\*. If the missile is equipped with an HF HMU, enter the percentage of battery life remaining on the HF HMU.
- q. Item 17\*. If the missile is equipped with an HF HMU, enter the temperature the HF HMU says the missile was exposed to.
- r. Item 18\*. If the missile is equipped with an HF HMU, enter the value displayed on the HF HMU for Relative Humidity (%). Entry should be a whole number (no decimals).
- s. Item 19\*. If the missile is equipped with an HF HMU, enter the value displayed on the HF HMU for shock.

\*Fields noted with an asterisk should only be completed if the missile is equipped with an HF HMU and the missile data was recorded prior to the missiles being uploaded onto the air craft.

It is the responsibility of the Pilot and/or Gunner to fill out this section:

- t. Item 20. Enter in the firing agency attempting the firing. (For example, U.S. Army, U.S. National Guard, U.S. Army Reserve, U.S. Navy, U.S. Marines, etc.)
- u. Item 21. Check the block that best describes why the firing attempt was made. If other, explain.
- v. Item 22. Check the appropriate block for the wind velocity and list the directional vector. The directional vector should be submitted in degrees. If information for wind speed is only available in Knots, the following conversions can be used. 0-5 MPH = 0-4.3 Knots; 5-10 MPH = 4.3-8.7 Knots; 10-15 MPH = 8.7-13.0 Knots; 15-20 MPH = 13.0-17.4 Knots; 20-30 MPH = 17.4-26.0; Over 30 MPH = Over 26.1 Knots
- w. Item 23. Check the block that most appropriately describes the weather at the time of firing.
- x. Item 24. Enter the ambient temperature at the firing location and check the block to indicate if the temperature is recorded as Centigrade or Fahrenheit. This entry must be a numerical value.
- y. Item 25. Enter the Laser Code used for the firing. This value must be four numeric characters.
- z. Item 26. Indicate whether visible obscurants were natural or induced. If no obscurants were observed enter 'none' in the other field.
- aa. Item 27. Check the block indicating whether the Missile CCM Switch was in the up or down position.
- bb. Item 28. Enter the number of previous missile firings the gunner has made.
- cc. Item 29. Check the block that indicates the appropriate designator mode used.
- dd. Item 30. If a remote designator was used, enter the Designator offset in degrees. The remote designator offset is the number of degrees (between 0 and 60) in the angle between the gun target line and the remote designator to target line. If the remote designator platform was an aircraft, enter the associated tail number. Enter the remote designator A/C call sign. Enter in the distance from the designator to the target in kilometers (KM).
- ee. Item 31. The target offset angle is the difference between the A/C azimuth reference line (gun target line) and the designating system (Laser target line). It can be read directly from the sighting system pointing angle (potentially indicated by (^) open caret or triangle) relative to the lubber line (for example, TADS tracking target 5 degrees to the right of the lubber line, then you would enter 5 right).
- ff. Item 32. Select the box that represents the type of launch for this firing attempt. If the launch mission was a rapid or ripple firing, a separate firing report will be submitted for each missile fired.
- gg. Item 33. Check the block for the appropriate firing mode used.
- hh. Item 34. Enter the lock on after launch (LOAL) delay time in seconds after missile separation.
- ii. Item 35. Select the appropriate target category and enter in the speed if moving is selected. The speed must be entered in miles per hour (mph).
- jj. Item 36. Check block for target type used. If other, enter target type.
- kk. Item 37. Enter in the approximate target size. For example 8 ft. x 8 ft.
- ll. Item 38: Enter the approximate altitude of the target (in feet) above ground level.
- mm. Item 39. Enter the distance to target from launch platform in kilometers.
- nn. Item 40. Check the block indicating the fuze delay used.
- oo. Item 41. Select the type of designator used. If other, explain.
- pp. Item 42. Check tracking method used.
- qq. Item 43. Check the block for boresight used.
- rr. Item 44. Check the block for type of target acquisition sensor used.
- ss. Item 45. Check the block that indicates if backscatter avoidance techniques were used.
- tt. Item 46. Enter the A/C altitude.
- uu. Item 47. Enter the speed of the A/C. The speed must be entered in knots.
- vv. Item 48. Check the block indicating if the prelaunch BIT indicated a pass, or failure, or was not preformed.
- ww. Item 49. Check the block indicating if a cockpit video is available of the missile launch, flight, and target impact.
- xx. Item 50. Check the block to indicate if the missile launched or not.
- yy. Item 51. Check the appropriate box that describes the impact of the missile. If the "missed target" block is checked, complete all appropriate subcategories. (For example, if the missile over flies the

- target, impacting 5,000 meters from the launcher, to the right of the target, the long and right blocks would be checked, and the “Estimated Range From Launcher to Impact Point” would be 5 kilometers.) If the “Hit Target” block is checked and the “Range from Launch Platform to Target” block is populated, then the “Estimated Range from Launcher to Impact” block should be left blank.
- zz. Item 52. Check the appropriate block indicating if the warhead detonated or not.
  - aaa. Item 53. If the target was missed, check block that most accurately describes why.
  - bbb. Item 54. If the target was missed, describe flight below, especially missile behavior. This block must be filled out in the case of a target miss for any reason. Provide as much information as possible, using the reverse side of the form if necessary.
  - ccc. From: Enter the complete mailing address for the unit attempting to fire the missile.
  - ddd. At the bottom of the form, enter in the name and grade of the gunner and pilot as well as a DSN phone number and the date this form was filled out. The DSN phone number must be in the format XXX-XXXX.