

MISSILE FIRING DATA REPORT (HELLFIRE)

For use of this form, see DA PAM 700-19; the proponent agency is DCS, G-4.

INSTRUCTION: Check the appropriate block and fill in the blanks.
Record numerical values as shown in the example.

EXAMPLE: 123.2 is filled in as

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | . | 2 |
|---|---|---|---|---|

REQUIREMENT CONTROL SYMBOL
AMC-224

MAIL COMPLETED FORM TO:

COMMANDER
USA RDECOM
ATTN: AMSRD-AMR-SE-RA-MS
BLDG 4500
REDSTONE ARSENAL, AL 35898

FROM: (INCLUDE ZIP CODE)

1. FIRING LOCATION

- | | |
|---|--|
| <input type="checkbox"/> CHERRY POINT, NC | <input type="checkbox"/> FT. IRWIN, CA |
| <input type="checkbox"/> EGLIN AFB, FL | <input type="checkbox"/> FT. HOOD, TX |
| <input type="checkbox"/> FT. CAMPBELL, KY | <input type="checkbox"/> FT. BRAGG, NC |
| <input type="checkbox"/> OTHER _____ | |

2. MISSILE S/N

3. MISSILE LOT NO.

4. LAUNCHER S/N

5. LOCAL MIL TIME

6. DATE (YYYYMMDD)

7. AMBIENT TEMPERATURE

_____ °C
_____ °F

8. WIND VELOCITY & VECTOR

- | | |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> 0-5 MPH | <input type="checkbox"/> 15-20 MPH |
| <input type="checkbox"/> 5-10 MPH | <input type="checkbox"/> 20-30 MPH |
| <input type="checkbox"/> 10-15 MPH | <input type="checkbox"/> OVER 30 MPH |

VECTOR

9. WEATHER

- | | | |
|------------------------------------|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> CLEAR | <input type="checkbox"/> RAIN | <input type="checkbox"/> SNOW |
| <input type="checkbox"/> ICE/SLEET | <input type="checkbox"/> FOG/MIST | <input type="checkbox"/> OVERCAST |
| CEILING _____ | | |

10. VISIBLE OBSTACLES AT LAUNCH POINT

- | | |
|------------------------------------|--------------------------------------|
| <input type="checkbox"/> SAND/DUST | <input type="checkbox"/> HOMOGENEOUS |
| <input type="checkbox"/> INDUCED | <input type="checkbox"/> OTHER _____ |

11. FIRING CATEGORY

- | | |
|---|--|
| <input type="checkbox"/> TROOP TRAINING | <input type="checkbox"/> DEMONSTRATION |
| <input type="checkbox"/> ASP | <input type="checkbox"/> OTHER _____ |

12. FIRING AGENCY

- | | |
|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> ARMY | <input type="checkbox"/> MARINE CORPS |
| <input type="checkbox"/> USAR | <input type="checkbox"/> NAVY |
| <input type="checkbox"/> NAT'L GUARD | <input type="checkbox"/> CONTRACTOR |
| <input type="checkbox"/> OTHER _____ | |

13. GUNNER EXPERIENCE

_____ PREVIOUS MISSILES

14. LAUNCH PLATFORM

- | | |
|--------------------------------------|--------------------------------|
| <input type="checkbox"/> TOWER | <input type="checkbox"/> GLH |
| <input type="checkbox"/> AH-64 | <input type="checkbox"/> OH-58 |
| <input type="checkbox"/> AH-1 | <input type="checkbox"/> UH-60 |
| <input type="checkbox"/> OTHER _____ | |

15. DESIGNATOR MODE

- | | |
|-------------------------------------|----------------------------------|
| <input type="checkbox"/> AUTONOMOUS | <input type="checkbox"/> REOMOTE |
|-------------------------------------|----------------------------------|

16. REMOTE DESIGNATOR

DESIGNATOR OFFSET (DEG) _____

A/C TAIL NO. (IF APPLICABLE) _____

RADIO CALL SIGN _____

DESIGNATOR RANGE TO TGT

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

 (KM)

REMOTE CODE CONFIRMED

17. TARGET OFFSET (DEG)

LEFT RIGHT

18. TYPE OF LAUNCH

- | | | |
|---------------------------------|---------------------------------|----------------------------------|
| <input type="checkbox"/> SINGLE | <input type="checkbox"/> RAPID* | <input type="checkbox"/> RIPPLE* |
| *MFDR REQUIRED FOR EACH MISSILE | | |

19. FIRING MODE

- | | |
|---|----------------------------------|
| <input type="checkbox"/> LOBL | <input type="checkbox"/> LOAL LO |
| <input type="checkbox"/> LOAL DIRECT | <input type="checkbox"/> LOAL HI |
| <input type="checkbox"/> LOAL DEFAULT TO LOBL | |


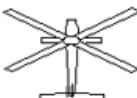
20. LOAL DELAY TIME (SECONDS AFTER MISSILE SEPARATION)

21. CATEGORY OF TARGET

- | | |
|---|--|
| <input type="checkbox"/> STATIONARY | |
| <input type="checkbox"/> MOVING - SPEED (MPH) _____ | |

22. TARGET TYPE

- | | |
|--------------------------------------|--|
| <input type="checkbox"/> TANK | <input type="checkbox"/> TRACK VEHICLE |
| <input type="checkbox"/> BILLBOARD | <input type="checkbox"/> STEEL PLATE |
| <input type="checkbox"/> OTHER _____ | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------|-----------------|---------|---|---------|----|--|--|----|----|---|---|---|---|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|----|----|--|
| <p>23. TARGETSIZE</p> <p><input type="checkbox"/> 8' X 8' <input type="checkbox"/> 8' X 16'</p> <p><input type="checkbox"/> 8' X 12' <input type="checkbox"/> OTHER _____</p> <p>24. TARGET CONDITION</p> <p><input type="checkbox"/> SOLID <input type="checkbox"/> PERFORATED</p> <p>25. RANGE FROM LAUNCHG PLATFORM TO TARGET</p> <p><input style="width: 20px; height: 15px; border: 1px solid black; display: inline-block; vertical-align: middle;"/> <input style="width: 20px; height: 15px; border: 1px solid black; display: inline-block; vertical-align: middle;"/> <input style="width: 20px; height: 15px; border: 1px solid black; display: inline-block; vertical-align: middle;"/> <input style="width: 20px; height: 15px; border: 1px solid black; display: inline-block; vertical-align: middle;"/> (KM)</p> <p>26. DESIGNATOR TYPE</p> <p><input type="checkbox"/> TADS</p> <p><input type="checkbox"/> MMS</p> <p><input type="checkbox"/> G/VLLD-MANNED</p> <p><input type="checkbox"/> G/VLLD-UNMANNED</p> <p><input type="checkbox"/> LTD</p> <p><input type="checkbox"/> MULE</p> <p><input type="checkbox"/> OTHER _____</p> <p>27. TRACKING METHOD</p> <p><input type="checkbox"/> MANUAL <input type="checkbox"/> AUTO</p> <p>28. BORESIGHT</p> <p><input type="checkbox"/> INTERNAL BORESIGHT COMPLETED</p> <p><input type="checkbox"/> OUTFRONT BORESIGHT COMPLETED AND VERIFIED</p> <p>29. ACQUISITION SENSOR</p> <p><input type="checkbox"/> TV <input type="checkbox"/> FLIR <input type="checkbox"/> DVO</p> <p>30. BACKSCATTER AVOIDANCE TECHNIQUES EMPLOYED?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> | <p>31. MISSILE CCM SWITCH <input type="checkbox"/> UP <input type="checkbox"/> DOWN</p> <p>32. LRF/D CCM SWITCH <input type="checkbox"/> UP <input type="checkbox"/> DOWN</p> <p>AIRCRAFT DATA:</p> <p>33. ALT (FT. AGL) _____</p> <p>34. TAIL NUMBER _____</p> <p>35. CALL SIGN _____</p> <p>36. SPEED (KNOTS) _____</p> <p>37. MISSILE LOCATION</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">(LEFT)</td> <td colspan="4" style="text-align: center;">(RIGHT)</td> </tr> <tr> <td style="text-align: center;">15</td><td style="text-align: center;">13</td><td style="text-align: center;">7</td><td style="text-align: center;">5</td> <td style="text-align: center;">6</td><td style="text-align: center;">8</td><td style="text-align: center;">14</td><td style="text-align: center;">16</td> </tr> <tr> <td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td> <td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td> </tr> <tr> <td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td> <td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td><td style="text-align: center;">○</td> </tr> <tr> <td style="text-align: center;">11</td><td style="text-align: center;">9</td><td style="text-align: center;">3</td><td style="text-align: center;">1</td> <td style="text-align: center;">2</td><td style="text-align: center;">4</td><td style="text-align: center;">10</td><td style="text-align: center;">12</td> </tr> </table> <p style="text-align: center;">(LOOKING DOWNRANGE)</p> <p>38. COCKPIT VIDEO AVAILABLE? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>39. PRELAUNCH BIT</p> <p><input type="checkbox"/> PASS <input type="checkbox"/> FAIL</p> <p><input type="checkbox"/> NOT PERFORMED</p> <p>40. MISSILE LAUNCHER?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>41. MISSILE IMPACT</p> <p><input type="checkbox"/> HIT TARGET</p> <p><input type="checkbox"/> MISSED TARGET</p> <p style="margin-left: 40px;"><input type="checkbox"/> SHORT <input type="checkbox"/> RIGHT</p> <p style="margin-left: 40px;"><input type="checkbox"/> LONG <input type="checkbox"/> LEFT</p> <p>EST. RANGE FROM LAUNCHER TO IMPACT POINT _____</p> | (LEFT) | | | | (RIGHT) | | | | 15 | 13 | 7 | 5 | 6 | 8 | 14 | 16 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 11 | 9 | 3 | 1 | 2 | 4 | 10 | 12 | <p>42. WARHEAD DETONATION?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>43. PROBLE CAUSE IF MISSED</p> <p><input type="checkbox"/> DESIGNATOR EQUIPMENT MALFUNCTION</p> <p><input type="checkbox"/> LAUNCHER</p> <p><input type="checkbox"/> REMOTE HELLFIRE ELECTRONICS</p> <p><input type="checkbox"/> DESIGNATOR PERSONNEL ERROR</p> <p><input type="checkbox"/> GUNNER PERSONNEL ERROR</p> <p><input type="checkbox"/> BACKSCATTER</p> <p><input type="checkbox"/> MISSILE</p> <p><input type="checkbox"/> CODE MISMATCH</p> <p><input type="checkbox"/> UNKNOWN</p> <p><input type="checkbox"/> OTHER (EXPLAIN BELOW)</p> <p>44. DESCRIBE FLIGHT BELOW, ESPECIALLY MISSILE BEHAVIOR. (USE REVERSE SIDE IF NECESSARY).</p> <p>TARGET </p> <p>LAUNCH POIN </p> |
| (LEFT) | | | | (RIGHT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 13 | 7 | 5 | 6 | 8 | 14 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 9 | 3 | 1 | 2 | 4 | 10 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAME AND GRADE OF GUNNER (TYPE OR PRINT) | NAME AND GRADE OF PILOT (TYPE OR PRINT) | DSN TELEPHONE NUMBER | DATE (YYYYMMDD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |