

# MUZZLE VELOCITY RECORD

For use of this form, see TC 3-09.81 the proponent agency is TRADOC.

DATE

POWDER MODEL

## FIRST-LOT CALIBRATION

| SHELL/FAMILY   | FIRST POWDER LOT NUMBER | GUN NUMBER/CHARGE FIRED |    |    |    |    |    |    |    |
|--|-------------------------|-------------------------|----|----|----|----|----|----|----|
|  |                         | 1/                      | 2/ | 3/ | 4/ | 5/ | 6/ | 7/ | 8/ |
| ITEMS  |                         |                         |    |    |    |    |    |    |    |
| 1. WEAPON BUMPER NUMBER  |                         |                         |    |    |    |    |    |    |    |
| 2. WEAPON TUBE NUMBER  |                         |                         |    |    |    |    |    |    |    |
| 3. FIRST-LOT CHARGE STANDARD MUZZLE VELOCITY (FROM TABULAR FIRING TABLE [TFT]) |                         |                         |    |    |    |    |    |    |    |
| 4. CALIBRATED MUZZLE VELOCITY (BATTERY COMPUTER SYSTEM [BCS] ENTRY)            |                         |                         |    |    |    |    |    |    |    |
| 5. FIRST-LOT PIECE MUZZLE VELOCITY VARIATION (LINE 4 - LINE 3 = LINE 5)        |                         |                         |    |    |    |    |    |    |    |

## SECOND-LOT CALIBRATION

| SHELL/FAMILY   | POWDER GROUP | GUN NUMBER/CHARGE FIRED |    |    |    |    |    |    |    |
|--|--------------|-------------------------|----|----|----|----|----|----|----|
|  |              | 1/                      | 2/ | 3/ | 4/ | 5/ | 6/ | 7/ | 8/ |
| ITEMS  |              |                         |    |    |    |    |    |    |    |
| 6. SECOND-LOT CHARGE STANDARD MUZZLE VELOCITY (FROM TFT)                 |              |                         |    |    |    |    |    |    |    |
| 7. SECOND-LOT CALIBRATED MUZZLE VELOCITY                                 |              |                         |    |    |    |    |    |    |    |
| 8. SECOND-LOT PIECE MUZZLE VELOCITY VARIATION (LINE 7 - LINE 6 = LINE 8) |              |                         |    |    |    |    |    |    |    |
| 9. FIRST-LOT PIECE MUZZLE VELOCITY VARIATION (LINE 5)                    |              |                         |    |    |    |    |    |    |    |
| 10. CHANGE IN MUZZLE VELOCITY VARIATION (LINE 8 - LINE 9 = LINE 10)      |              |                         |    |    |    |    |    |    |    |

## SECOND-LOT INFERENCE

|   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| 11. SECOND-LOT STANDARD MUZZLE VELOCITY (FROM TFT)                                |  |  |  |  |  |  |  |  |  |
| 12. CHANGE IN MUZZLE VELOCITY VARIATION (LINE 10)                                 |  |  |  |  |  |  |  |  |  |
| 13. FIRST-LOT MUZZLE VELOCITY VARIATION (LINE 5)                                  |  |  |  |  |  |  |  |  |  |
| 14. SECOND-LOT CALIBRATED MUZZLE VELOCITY VARIATION (LINE 12 + LINE 13 = LINE 14) |  |  |  |  |  |  |  |  |  |
| 15. CALIBRATED MUZZLE VELOCITY (BCS ENTRY) (LINE 11 + LINE 14 = LINE 15)          |  |  |  |  |  |  |  |  |  |

REMARKS