Weapon Shot Counter Program
for
Small Arms Maintenance

Data to Enhance Freedom
Weapon Shot Counter

- Records Shots and Firing Rates for Small Arms
- Requires No Operator Input
- Battery Life of Five Years
- Holds up to 30,000 Rounds
- User: U.S. Special Operating Forces (USASOC/WARCOM/AFSOC)
Weapon Shot Counter Purpose

- Logistics Applications Only
- Armorers Able to Monitor Weapon Usage
- Enables Preventative Maintenance Program
- Minimizes Catastrophic Parts Failures and Malfunctions in Combat
- More Cost-Effective…Reliability, & Maintenance
- Improves Operator Success in Combat
Summary of WSC System

Data Collection Device (DCD) ➔ Email from PC

Maintenance Database on Centralized Server

Shot Counter
Devices
Program Phases

Phase I

Determine if a Weapon Shot Counter device is technologically feasible, and producible.

Objective completed. Two Vendors delivered successful technology demonstrator prototypes.
Program Phases

Phase II

1. Validate the requirement
2. First Article Production / Testing
3. Develop Basic Reporting / Collecting Process
4. MS-C Package / Production Delivery Order
5. WSC prototypes for MK46, MK48
Program Phases

Phase III

1. Issue to selected field units
2. Further Develop Armorer-Depot Maint Software
3. Refine ammunition usage rates
4. Establish Maintenance Profiles for SOF Weapons
5. Full Rate Production for M4A1, MK46, & MK48
Program Phases

Phase IV

1. Preventative Maintenance Management
2. Sustain the system
3. Adapt the WSC Program to the SOF Combat Assault Rifle
Shot Counter Issues

Challenges:

- Minimize Work Load—Transparent to Operator
- Simple Process—Computer Compatibility
- Trust of the Program—Fail Safes
- Participation—Based on Good Practices Not Control
- Has to Make the Operator’s Job Easier, Not Harder!
A call from the operating forces is not a disruption of our daily routine.

WE’RE AT WAR

ARE YOU DOING ALL YOU CAN?