

Abstract ID: 11609

Title: 30MMX173 MK 310 MOD 0 PABM-T CARTRIDGE QUALIFICATION PROGRAM

Abstract Text: ABSTRACT FOR 30MMX173 MK310 MOD 0 PABM-T CARTRIDGE QUALIFICATION PROGRAM FOR 46th ANNUAL GUN & MISSILE SYSTEMS CONFERENCE & EXHIBITION 11-14 APRIL 2010, MIAMI, FL

Title: 30MMX173 MK 310 MOD 0 PABM-T CARTRIDGE QUALIFICATION PROGRAM.

Topic Addressed: Direct Fires (medium caliber ammunition)

Relevance to conference theme: All fielded ammunition must pass a safety, performance, and reliability assessment prior to fielding. This presentation highlights how a new technology was assessed via a Foreign Comparative Test program; a qualification program evolved and was executed to bring new capabilities to the warfighter, specifically the USMC.

Objective of presentation: Program Status Review of the qualification of the 30mmx173 MK310 Programmable Air Burst Munitions –Tracer (PABM-T) cartridge. The MK310 is undergoing extensive qualification tests to verify performance, reliability and safety by NSWC Dahlgren Division on behalf of the USMC PM AAA Expeditionary Fighting Vehicle (EFV). This presentation provides an overview of the Foreign Comparative Test process that narrowed down a field of competitors with airburst technology and gives a status of the qualification and evaluation program performed to date. Results of the qualification testing will be reviewed by the USN Weapons System Explosive Safety Review Board for concurrence to field the ammunition. This program is representative of the level of analysis, test, evaluation, and review typically required for ammunition to be qualified for United States Navy and Marine Corps Service Use.

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