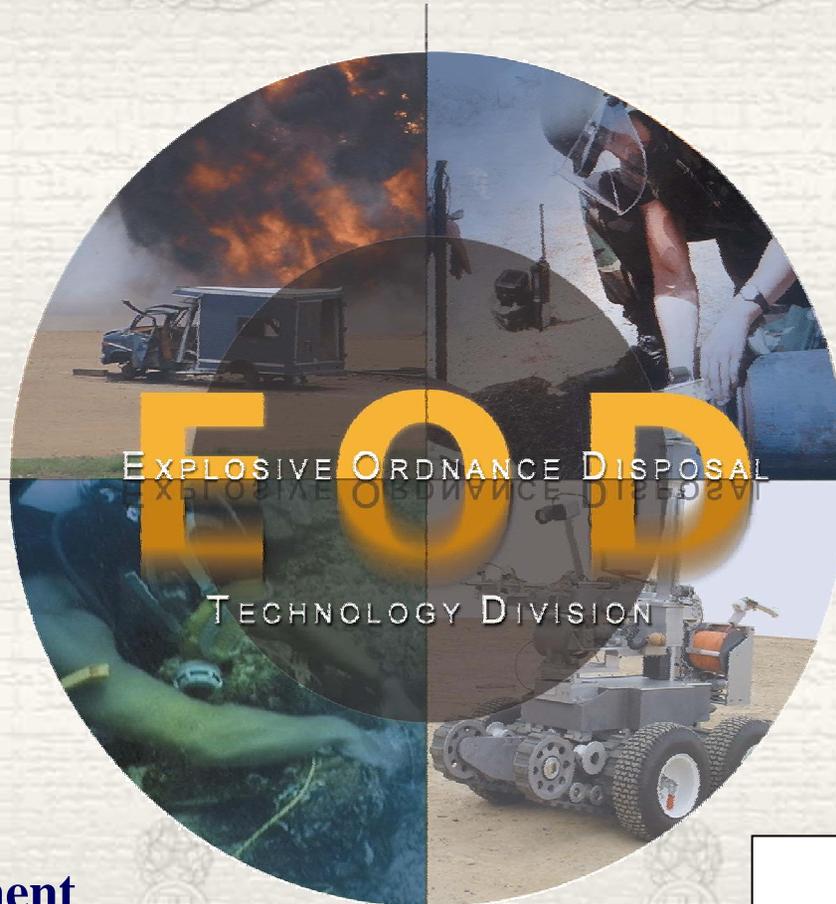
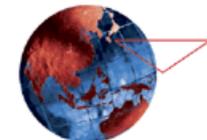


# Explosive Ordnance Disposal Customized Ordnance Information



**Al Hayes**  
**Division Head**  
**Procedures Development**  
**Naval EOD Technology Division**  
**[hayesa@eodpoe2.navsea.navy.mil](mailto:hayesa@eodpoe2.navsea.navy.mil)**  
**(301) 744-6893**

**9 March 2004**



The  
UXO/Countermine Forum

DoD's Preeminent Conference on Technology, Programs & Partnerships



## Potential products:

- Customized data extractions and software solutions
- CD-ROM products
- Internet/SIPRNET publishing
- Portable Devices (Palm OS, Compaq IPAQ, etc.)

# Information Evolution



Paper Library



CD-ROM



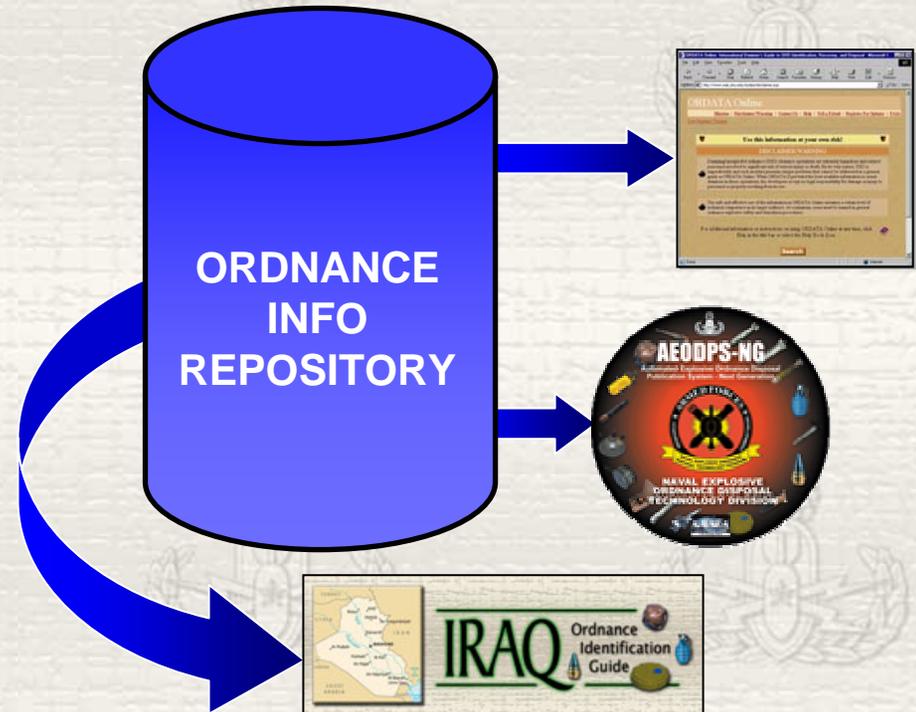
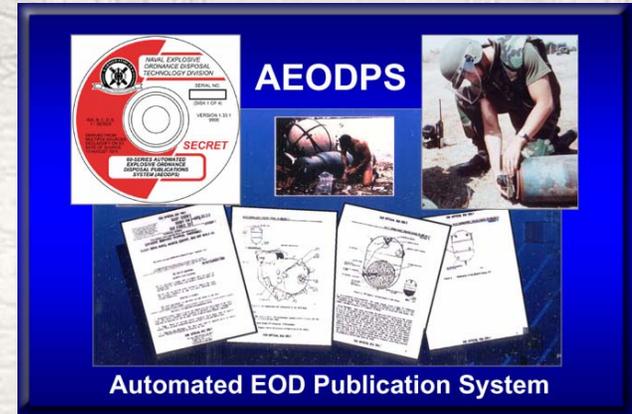
Microfiche

# Database Publishing

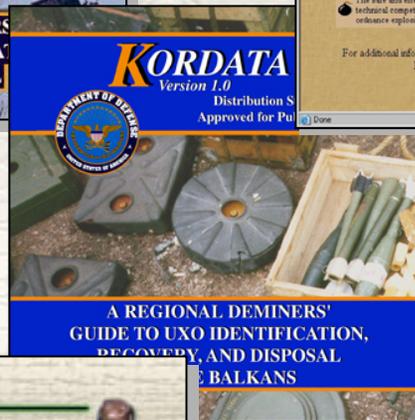
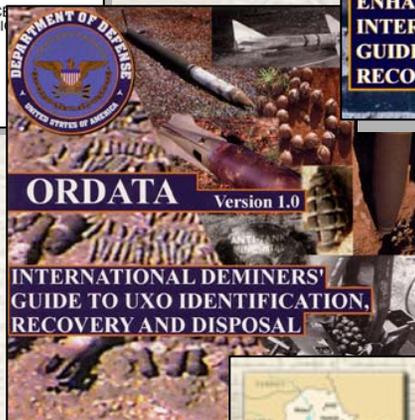
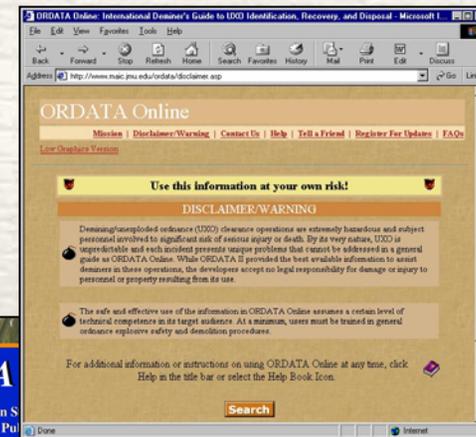
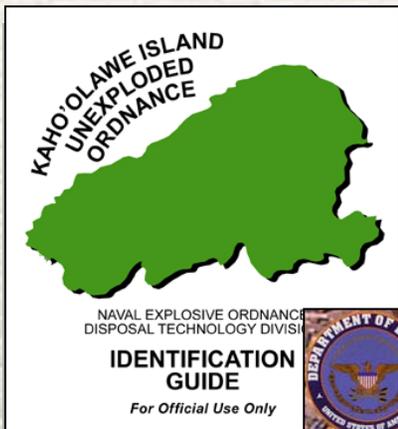
🧨 Yesterday, a transition from a paper paradigm to electronic document publishing

🧨 Today, a transition from document publishing to database publishing technologies and systems allowing:

- custom data extractions to fit UXO specific needs
- unique data sets targeted for specific regions or areas of operation
- access to real-time information
- data available in a wide range of formats



# UXO Products (Past and Present)



# UXO Products - Continued

AEODPS - 60D-35-2-110: (FOUO) 0" @ 25%

60D-35-2-110: Text (For Official Use Only)

**TABLE OF CONTENTS**

1. QUICK LOOK
2. SAFETY SUMMARY
3. IDENTIFICATION / DESCRIPTION
4. HAZARDOUS COMPONENTS
5. SUPPLEMENTARY INFORMATION

**1. QUICK LOOK**

**Appearance and Dimensions**

Ordnance Used With:

**PROJECTILES:**

- UR: 85-MM, FRAG, 0-365 (ONE-PIECE)
- UR: 85-MM, FRAG, 0-365 (TWO-PIECE)
- UR: 85-MM, FRAG, 0-365K

**FUZES:**

- UR: PD, KTH-1
- UR: PD, KTH-1U
- UR: PD, KTH2-1
- UR: PD, KTH2-1U
- UR: MT, UM-2
- UR: TSQ, T-5
- UR: TSQ, T-11

Country of Origin: UNION OF SOVIET SOCIALIST REPUBLICS

User Countries: UNKNOWN

Countries Found In: UNKNOWN

**Measurements:**

- Diameter/Width, maximum: 4.40 IN (111.76 MM)
- Diameter/Width, minimum: UNKNOWN
- Total Length: 37.3 IN (947.42 MM)
- Exposed Length: N/A

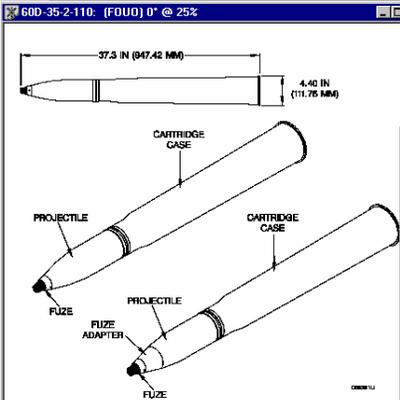


Figure 1. Appearance and Dimensions

Legacy system

AEODPS-NG

Information Center: U.S. CARTRIDGE, 30-MM, TP...

Publication Search  Keep screen open after the search has been closed. Find Text in Pub. Find Text in Image

**UNCLASSIFIED QUICK LOOK**

**EX239 MOD 0 CARTRIDGE, 30-MM, TP-T**

**FOR OFFICIAL USE ONLY**

**FOUO Identification / Description**

Designation: US: EX239 MOD 0.  
US: EX-239 MOD 0.

Type: Target practice with tracer (TP-T).

Painting and Markings:  
Painting: Cartridge: Black.  
Projectile: Refer to Ordnance Used With.  
Markings: Cartridge: None.  
Projectile: Refer to Ordnance Used With.

Features:  
Cartridge: [Appearance and Dimensions](#).  
Projectile: Refer to Ordnance Used With.

Material:  
Cartridge case: Steel.  
Projectile: Refer to Ordnance Used With.

Weight:  
Cartridge: 840 grams (1.85 pounds).  
Projectile: Refer to Ordnance Used With.

Originated By: Norway

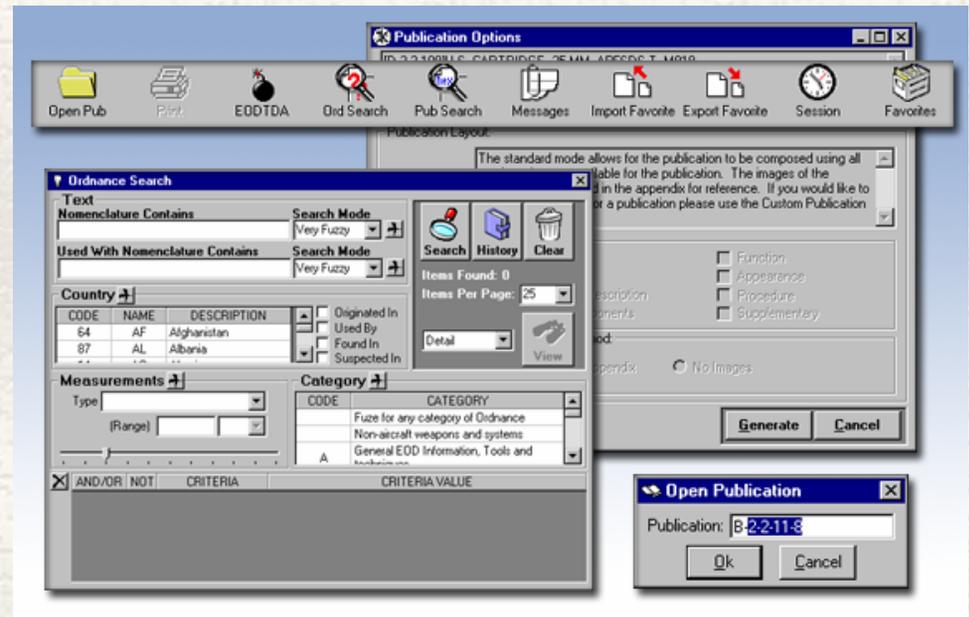
Figure 2. General Arrangement



Figure 1. Appearance and Dimensions

Current system

- 🧨 Improved Searching
- 🧨 Profile Manager
- 🧨 Easier Installation
- 🧨 Favorites
- 🧨 Customization and User Preferences
- 🧨 Advanced Imagery
- 🧨 EOD Tactical Decision Aid

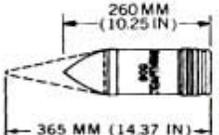




## Iraq Ordnance Identification Guide

- Similar in format to Joint Service Operational Support Guide (aka Purple book)
- 1200+ ordnance items
- Six-week turnaround time
  
- Available on CD-ROM or NAVEODTECHDIV website:  
<https://naveodtechdiv.navsea.navy.mil/>
  
- Also available on Mine Action Information Center at James Madison University website:  
<http://maic.jmu.edu/research/IraqOIG/default.htm>

## Iraq Ordnance Identification Guide - continued



**U.S. PROJECTILE, 90-MM, AP-T, M318A1**

Ordnance used with:  
M318, CARTRIDGE, 90 MM, AP-T  
T33E7, CARTRIDGE, 90 MM, AP-T



N.E.W. 1.00 G

---



**U.S. PROJECTILE, 90-MM, HE, M71**

Ordnance used with:  
M48, PROJECTILE, PD  
M48A1, PROJECTILE, PD  
M48A2, FUZE, PROJECTILE, PD  
M48A3, FUZE, PROJECTILE, PD  
M501, FUZE, PROJECTILE, MTSQ  
M501A1, FUZE, PROJECTILE, MTSQ  
M502, FUZE, PROJECTILE, MTSQ



N.E.W. 2.25 LB

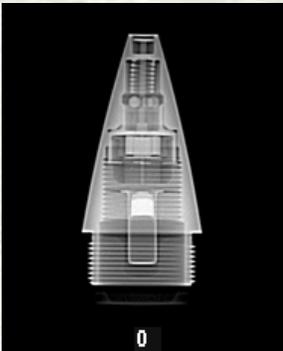
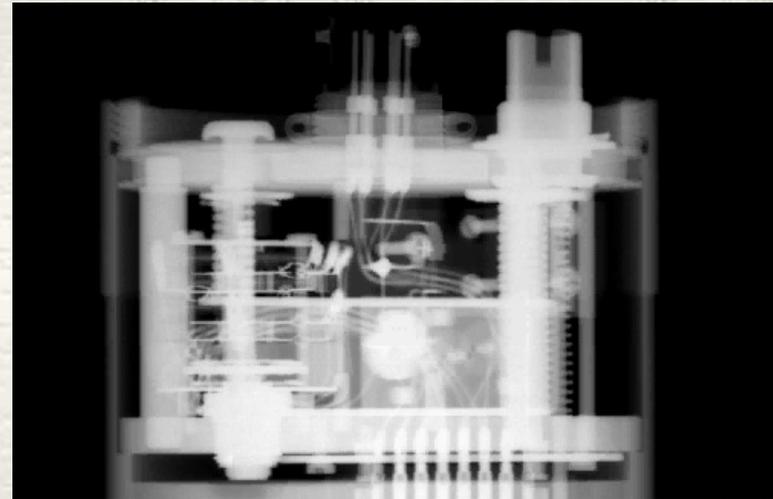
---

Projectile - 94



## First Steps:

- In Country Exploitation



## Vision:

- Full awareness decision support

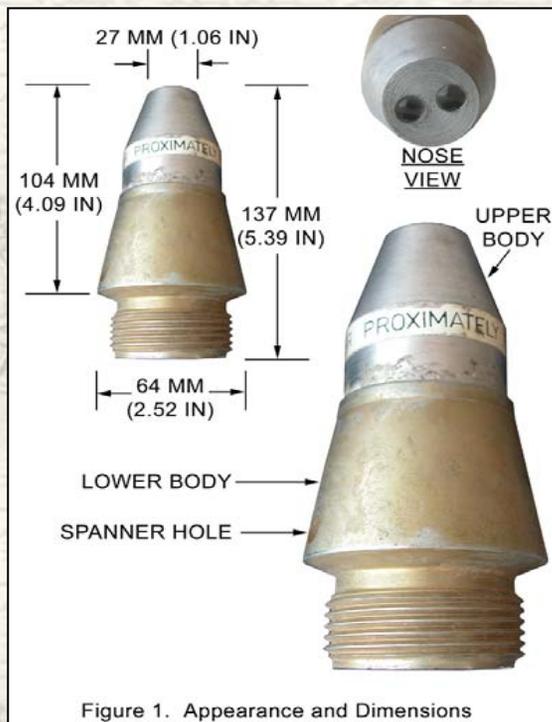
## In-Country Exploitation (ICE) Team

## Team Composition - 8 personnel

- 3 Disassembly Tech/Asst. Radiographers
- 1 Radiographer
- 2 Procedures Developers
- 1 Communicator
- 1 TSC rep (EOD Technician)



# ICE in Iraq - Stats



## Laser Proximity Fuze

- 7 separate products were disseminated to EOD Forces in Iraq
- ICE “product” contained a total of over 450 ordnance items
  - Of these, over half had no coverage in the 60 Series
- Collected data on over 500 ordnance items
- Collected 9,000 photographs of various ordnance
- Integrated information into corporate database

# Conclusion

- 💣 **Coordinate with your Government Sponsor**
- 💣 **Visit our website and look for UXO link/graphic to access this presentation:**



<https://naveodtechdiv.navsea.navy.mil/OperationsDepartment.asp>