

NAVY HALON 1211 STUDY

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MAY 8, 1997
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HALON OPTIONS TECHNICAL WORKING CONFERENCE

Halon 1211

Responsible Use Policy

- Minimize Use / Reliance on Halon 1211
- Recycling
- Alternatives Research
- Requirements Definition

NAVY HALON 1211 STUDY

Objectives

- Status of Navy Bank
 - Mission Critical Reserve
 - Installed Base
 - Local Supplies
- Minimize Use
 - Required Applications
 - Current Applications
 - Alternate Development Status
- Review and Formalize Hardware Requirements
- Re-focus Replacement RDT&E ?

MATERIAL BALANCE EVALUATION

- Mission Critical Reserve
 - Supplies
 - Shipments
 - Return
 - Identify Users
 - Assess/record the application and use
- Local Supplies
- Installed Base
- Defined Tracking

REQUIREMENTS

- Halon 1211 on Aircraft Carrier Flightdeck
 - Result of USS NIMITZ Fire
 - P-16 Mobile Fire Fighting Vehicle (MFFV)
 - Twin Agent Units on Hanger Deck
 - Next Generation MFFV - No Halon 1211
- Agent Testing - April 5 - 6, 1997
 - Baseline Debris Pile Fire
 - NAWCWPNS China Lake, CA
 - AFFF / Halon 1211 / PKP
 - Validate Dual Agent Requirement

OTXER REQUIREMENTS

- Naval Safety Center Data
 - Fire Incidents for Halon 1211
 - 1992 - Present (pre-1992 available)
 - All Services
- Determine Historic Application
 - Quantity and Frequency
 - Assess Hardware Effectiveness
- Define Future Needs
 - Clean Agent versus Secondary Agent
 - Systems Available
- Identify any Differences in Navy Requirements

TRAINING

- Historically Largest Use Driver
- New Training Requirements
 - No halon 1211
 - Hand-held water portables
 - Modified nozzle
 - Similar “feel”

FIELD USE

- Fleet and Shore-side Message
- Define Current Usage
 - 1994 - present
 - Sorted by hardware (P-16, portables, etc.)
- Fire Incident Details
 - Location / Threat
 - Agent Used
 - Quantity Used
- Usage During Training
- Agent Loss During Maintenance Leakage

COMMERCIAL REQUIREMENTS

- Coordination with FAA
 - Different Role
 - Halon fully switched to halon 1211
 - PKP - no concern of corrosion
 - Different Ownership Issue
- Different Systems
- Different Operations

PRODUCTS OF STUDY

- Technology Assessment
 - Defined System Requirements
 - Specific Hardware Assessments
- Recommended Hardware Modifications
 - Re-focused Alternative RDT&E ?

NAVY HALON 1211 STUDY

- Halon 1 11 Portable Fire Extinguishers
 - C-9: one 2.5 # and one 13 #
 - C-20: two 2.5 #
 - C-12: two 2.5 #
 - C-135: four 5 #
 - C-24: one 5 #, one 17 # two 10 #
 - H-57: one 2.5 #
 - T-44: one 2.5 #