Navy IRCM Requirements Overview
- The percentage of IR missiles in the world with flare rejection technology will increase over time as older missiles are expended and new ones are manufactured.

- Flares are ineffective against imaging seekers

- Directed IRCM (DIRCM) will beat all IR missiles including imagers.
Pod for FA-18, F-16, AV-8B etc
Pre-Milestone B
Navy Lead Service
Tactical Aircraft Directed Infrared Countermeasures (TADIRCM)

C-17 and other large aircraft
Post Milestone C
USAF Lead Service
Large Aircraft Infrared Countermeasures (LIRCM)

Helicopters
Post Milestone C
U. S. Army Lead Service
Suite of Integrated Infrared Countermeasures (SIRCM)

DoD IRCM Solutions
For CAS 2010
IR Threat Self-Protect EW Suites
Reduce Fire Production

- Procure sufficient systems to meet Navy/Marine requirements
- Build system requirements that make for flexible fielding options
- Procure DIRCM systems for Naval Aircraft

Long term - Procure DIRCM systems for Naval Aircraft

- Concentrate on the affordable approach
- Concentrate on the affordable approach
- Invest in investments
- Invest in investments
- Join programs with other services that capitalize on TADIRCM
- Initiate DIRCM development programs for all Naval Aircraft

Mid term - Initiate DIRCM development programs for all Naval Aircraft

- Fire production increased in FY04 due to OIF II expenditures
- Fire production increased in FY04 due to OIF II expenditures
- ALE-47 Procurement expanded in FY04 due to OIF II requirements
- ALE-47 Procurement expanded in FY04 due to OIF II requirements
- OIF II requirements
- OIF II requirements
- AAR-47(V)
- AAR-47(V)
- Procurement accelerated and expanded in FY04 due to
- Procurement accelerated and expanded in FY04 due to

Short term - Complete procurement of the current suite and support it

Investment Strategy

NAVY/MARINE IRCM
Evolutionary Acquisition Model

Product iterations from the tests & users help to define future feedback from both technology development and key user requirements.

Time

Block I

Block II

Block III

Technology Milestones

Requirements

Performance

Feedback
Acquisition Roadmap
Navy SIIRCM Evolutionary

Increment 3 builds on Army SIIRCM and Navy TADIRCM investments.

Warning, Multi-Band Laser, and Navy/Marine Commonality
Long Range IR Threats, Advanced IR Seekers, Adds Two Color IR Missile
ATRCM P3/Assault DIRCM Schedule
Summary

- FY08 Strike DIRCM to leverage technology and start in
- Makes sense for FY06
- Co-operative with Army for USN/USMC Assault EOA starts working technology
- Manpad threat
- USN/USMC has an overall roadmap to address the IR