OPNAV N98 Update
Prepared for NHA Trustees
CAPT Will "Easy" Eastham
N98 Rotary / Pentagon

Success is when preparation meets opportunity

N98 Front Office

DIRECTOR, AIR WARFARE DIVISION
N98
RADM Michael "Buzz" Donnelly
695-9681

DEPUTY, AIR WARFARE DIVISION
N98B
Vacant

EXECUTIVE ASSISTANT
Tim Taeschner
695-9850

EXECUTIVE ASSISTANT
CDR Jon "O'doyle" Dorsey
695-9695

DEPUTY, EXECUTIVE ASSISTANT
LCDR Marc "Marcellus" Wallis
614-1380

Flag Aide
N98A2
LT Nick McCrory

Flag Writer
N98A3
YN1 Brianna Meana

ACTIVE/RESERVE STRATEGIC LIAISON
LCDR Dane Robie 695-2306

CAPABILITY INTEGERATION
N98G
Ms. Rebecca "Becca" Murphy
695-0270

SPECIAL PROGRAMS BRANCH
N98P
CDR James "Toadie" Charapich
692-2227

Enablers   *Platforms*

LOGISTICS & READINESS BRANCH
N980L
CAPT Andres"Suit" Pico
695-8464

MANPOWER BRANCH
N980P
CAPT Quinn "Astro" Rhodes
571-256-9118

TRAINING BRANCH
N980T
CDR James "Tilly" Tilden
571-256-8594

AIRSPACE & AIR TRAFFIC CONTROL BRANCH
N980A
CDR Dennis Smith
614-2664

CARRIER (CVN) & PROGRAMS BRANCH
N980C
Mr. Rob "Mini-Moose" Lee-Own
614-2390

MULTI-MISSION AIRCRAFT & PROGRAMS BRANCH
N980M
CDR Joe "GladHands" Snyder
695-2075

ROTARY AIRCRAFT & PROGRAMS BRANCH
N980R
CAPT Will "Easy" Eastham
695--2038

EXPEDITIONARY AIRCRAFT & PROGRAMS BRANCH
N980E
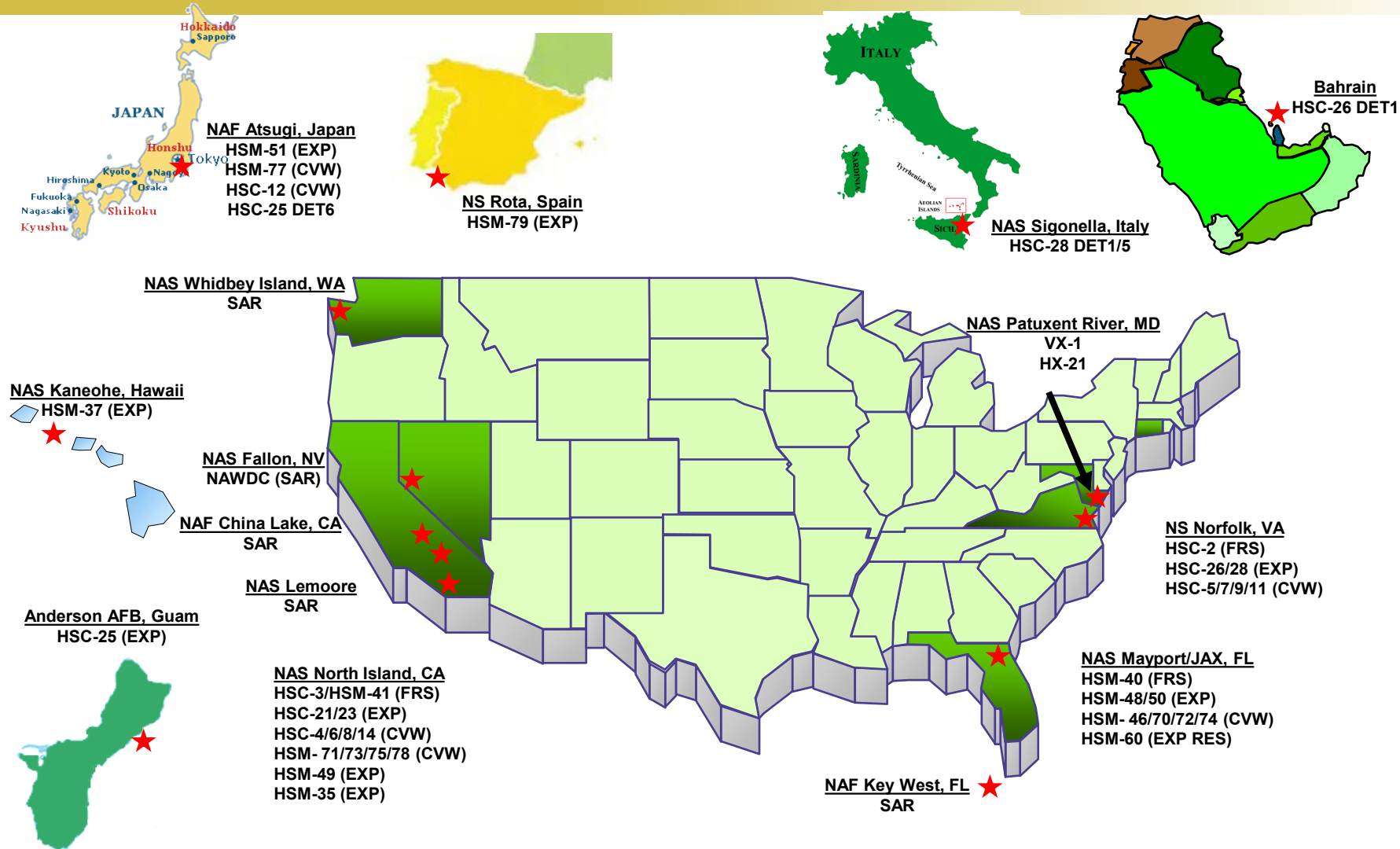*Col William "Chowdah" Millett*
614-2785

CARRIER STRIKE (CVW) & PROGRAMS BRANCH
N980S
CAPT Lew "Fetus" Callaway
695-1427

MH-60 Global Laydown

NAF Atsugi, Japan
HSM-51 (EXP)
HSM-77 (CVW)
HSC-12 (CVW)
HSC-25 DET6

NS Rota, Spain
HSM-79 (EXP)

NAS Sigonella, Italy
HSC-28 DET1/5

Bahrain
HSC-26 DET1

NAS Whidbey Island, WA
SAR

NAS Kaneohe, Hawaii
HSM-37 (EXP)

NAS Fallon, NV
NAWDC (SAR)

NAF China Lake, CA
SAR

NAS Lemoore
SAR

NAS Patuxent River, MD
VX-1
HX-21

NS Norfolk, VA
HSC-2 (FRS)
HSC-26/28 (EXP)
HSC-5/7/9/11 (CVW)

Anderson AFB, Guam
HSC-25 (EXP)

NAS North Island, CA
HSC-3/HSM-41 (FRS)
HSC-21/23 (EXP)
HSC-4/6/8/14 (CVW)
HSM- 71/73/75/78 (CVW)
HSM-49 (EXP)
HSM-35 (EXP)

NAS Mayport/JAX, FL
HSM-40 (FRS)
HSM-48/50 (EXP)
HSM- 46/70/72/74 (CVW)
HSM-60 (EXP RES)

NAF Key West, FL
SAR

MH-60R/S – Ship Matrix

MH-60R

CVN	LCS-1
CG-47	FFG-62
DDG-51	DDG(X)

MH-60S

CVN		ESB	
LHA/LHD		T-AOE	
LCC		LCS-2	
T-AH		Shore Based Dets	

MH-60 is the most widely distributed platform in the Navy

MH-53E Sea Dragon Footprint

HM-15 Blackhawks ~900+ personnel AD + RC

- **Norfolk – Homeguard**

- **Bahrain – 4 A/C Exped DET**

- **Korea – 3 A/C Exped DET**

CONTROLLED UNCLASSIFIED INFORMATION

❑ PPBE is DoD's resource allocation process

- ▪ **P**lanning establishes *strategic priorities* and *capabilities required* to achieve the strategy

- ▪ **P**rogramming applies resources to *programs* that provide the *capabilities required* to achieve the *strategic priorities*

- ▪ **B**udgeting properly prices the *programs*, develops *justification* and an *execution plan*

- ▪ **E**xecution performs/spends to the approved *plan*

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Overlapping PPBE Timelines

01 Oct 2024
FY25 Target Start
(yes, we've passed...)

Today

FY25   FY26   FY27

FY 25
- Budget
- CR
- Execution

POM: Program Objectives Memorandum – N8 / N9 Lead
BES/Program Budget Review: FMB / OSD(C) / CAPE Lead
PB: President's Budget – OMB / Congress Lead

PBR 26
- Budgeting & Enactment
- CR
- Execution

Entire PPBE process takes ~4 years. Odds are that you will not see your POM result in FY spending on your current OPNAV tour

POM 27

OPNAV N72 | N81
- Planning

OPNAV N8 | N9
- Programming

Resource Sponsors | OPNAV N80

N1 | N2N6 | N4I | N4L | N95 | N96 | N97 | N98 | N095
- OPNAV N80 Guidance
- RSs / DCNOs / WFC Review
- Fiscal balance
- OSD Topline / OSD Bills

SECNAV FMB | OPNAV N82
- Budgeting & Enactment

| DoN | OSD / OMB | PB | Congress |

- DoN Program Balance
- Detail & accuracy
- Justification and defense
- Congressional hearings / markups

Budget Submission Offices (BSOs) | FMB
- Execution
  - SYSCOMs
  - Chief of Naval Personnel
  - Fleet comptrollers
  - CNIC

POM 28
- Planning
- Programming
- Budgeting & Enact

- Community Forums (NARG, SEWTC)
- NDS, NMS, DPG, CNOG, Fleet IPLs
- SECDEF / SECNAV / CNO Priorities
- FEA / Scene Setter Briefs

Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
CY 2024							CY 2025												CY 2026												CY 2027					

Understand which cycle you are working

The PPBE Process – End to End – More than the POM

Strategy	Resource Allocation	Execution

Strategic Guidance

National Security Strategy (NSS)

National Defense Strategy (NDS) 2022

National Military Strategy (NMS) 2022

COCOMs

Service Chiefs

CJCS Chairman's Program Recommendations (CPR)

OSD

Defense Planning Guidance (DPG)
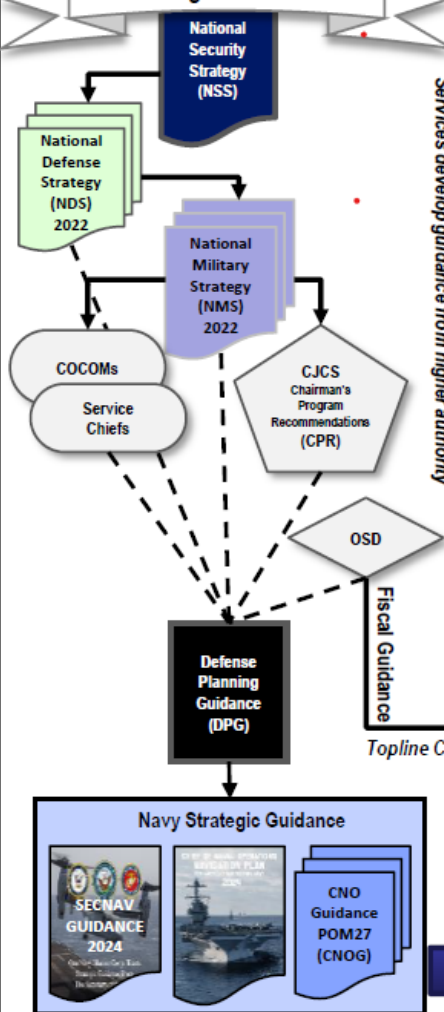
Services develop guidance from higher authority

Fiscal Guidance

Topline Controls

Navy Strategic Guidance

SECNAV GUIDANCE 2024

CNO Guidance POM27 (CNOG)

OSD (CAPE)

Program / Budget Reviews
OSD reviews service POM submissions
Specifics of OSD review process may vary each cycle

SPL

Focus Area Groups

DMAG 4* Review

RMG 3* Review

OSD (COMP) 4th Estate Issues

CPA / J8 COCOM Issues

OSD (CAPE) Service Compliance Issues

Navy POM 5-year FYDP

POM Serial Guidance OPNAV N80

USMC POM 5-year FYDP

Fleet IPLs

Program Objective Memorandum (POM)
Services / DoD Components prepare their POMs

Specific internal POM phases & milestones may vary each cycle

Services build POMs   *OSD Reviews POMs*

Program Review

Budget Review

FMB DoN Budget Review

Service Budget Estimate Submission (BES)

BSOs

OSD (COMP)

PDMs   MBIs   PBDs

OMB

President's Budget 1st Mon in Feb

Budget only includes Prior Year | Current Year | Budget Year

CONGRESS

HASC   SASC   HAC   SAC

*Sub-committees & Conferences*

NDAA National Defense Authorization Act

Defense Appropriation Bill or Continuing Resolution Act (CRA) by 1 Oct

OSD Program and Budget decisions become the final PB

Funding Flow

Fiscal Year Obligations, Expenditures & Outlays

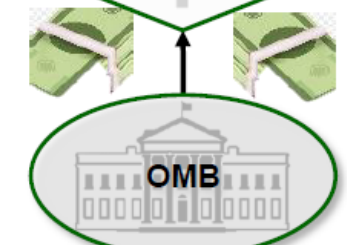| APPN	OB Yrs
RDT&E	2 Yrs
APN, SCN, OPN, WPN	3 Yrs
O&M	1 Yr
MILPERS	1 Yr
MILCON	5 Yrs

17 Navy Budget Submission Offices / Comptrollers BSOs

FMB Allocates

Navy FY Funding

USMC FY Funding
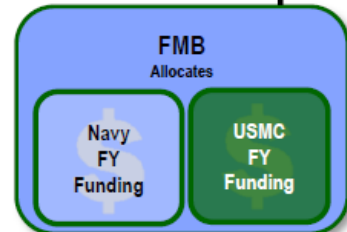
OSD (COMP) Apportions

OMB

Allocations

Apportionments

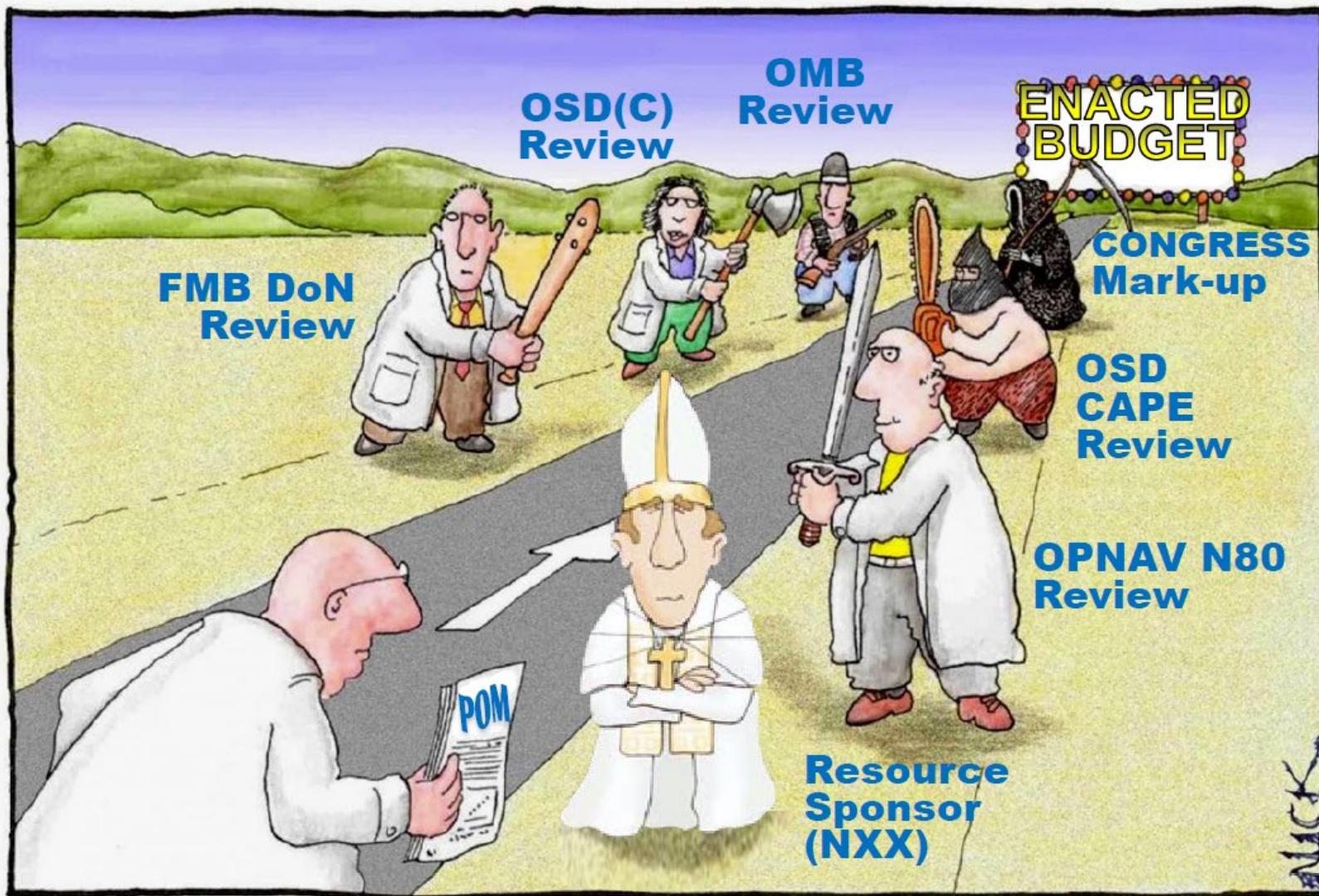| **Planning Phase**	**Programming Phase**	**Budgeting Phase**	**Execution Phase**

POM is only the first step of the "Budget Gauntlet"

Can't spike the football after making the POM – Must defend 'til the end

C-Shop's "So-Whats"

ROs must be able to clearly articulate at least four "so-whats" associated with your proposed change

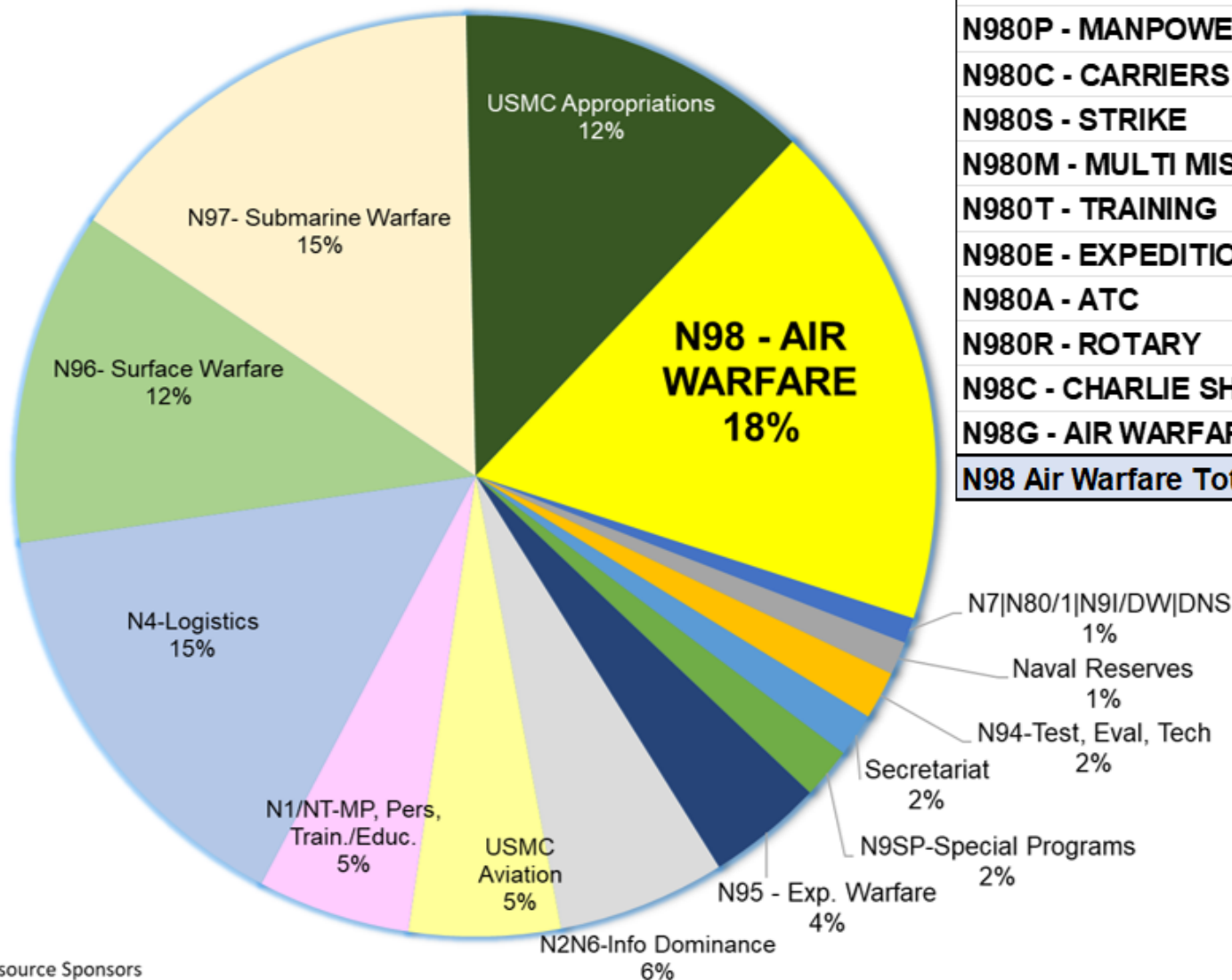## Impacts to the warfighter?

Impacts to achieving the mission?

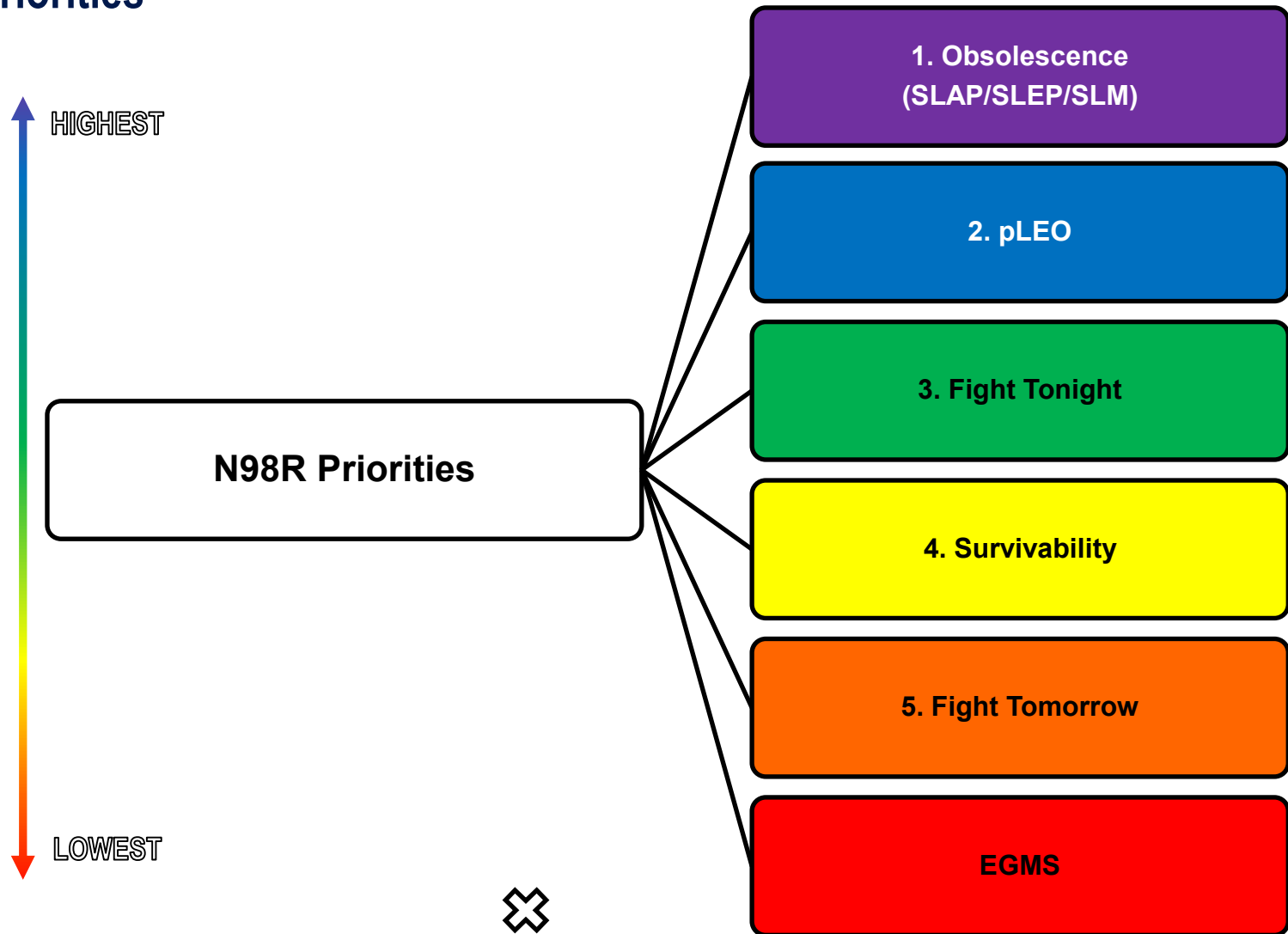## Impacts to the Program?

Who cares about this change?

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DoN TOA BES26: ~$310.82B Annually

N98 BRANCHES	BES26 ($B)
N980L - LOGISTICS & READINESS	$ 12.130
N980P - MANPOWER	$ 10.430
N980C - CARRIERS	$ 10.350
N980S - STRIKE	$ 9.040
N980M - MULTI MISSION AIRCRAFT	$ 2.865
N980T - TRAINING	$ 0.840
N980E - EXPEDITIONARY	$ 0.412
N980A - ATC	$ 0.248
N980R - ROTARY	$ 0.203
N98C - CHARLIE SHOP	$ 0.023
N98G - AIR WARFARE CAPABILITY	$ 0.015
N98 Air Warfare Total	$ 46.556

DoN Resource Sponsors

N980R Priorities

HIGHEST

LOWEST

N98R Priorities

1. Obsolescence (SLAP/SLEP/SLM)

2. pLEO

3. Fight Tonight

4. Survivability

5. Fight Tomorrow

EGMS

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HSC/HSM Force Structure

- **MH-60R Inventory vs. 30-year ship building plan**
  - Inventory is aligned to shipbuilding plan which varies year to year
    - Additional MH-60R procurement due to projected DDG1000 and LCS ship count (27 aircraft in AMARG preservation)

- **FDNF-E (Rota) and FDNF-J (Atsugi)**
  - SLD movement of air capable ships results in capacity shortfalls in FY24 and beyond
    - Shortfalls sourced from CONUS squadrons in response to CTF-70 RFF
  - NS Rota MILCON (P-313) includes TOFT simulator building. TOFT simulator is unfunded ($20M)

- **MH-60R Service Life**
  - MH-60R inventory is averaging ~2,532 flight hours
  - Projected end of service life beginning 2035. Capacity shortfalls for air capable ships begins 2038. MH-60R SLAP effort to determine airframe life extension requirements only fully funded in FY25

- **LCS Blue-Gold / FDNF**
  - R3B to fund LCS MCM MP to B/G through FY-27
  - SLD looking at FDNF (CENTCOM + INDOPACOM)
  - LCS PoR = 15x IND & 6x FRE -> AvDets resourced only to those hulls

Extending MH-60

- **SLAP: Service Life Assessment Program <u>"How long can MH-60 continue flying"</u>**

  – MH-60S Complete, MH-60R just starting.

- **SLEP: Service Life Extension Program. <u>"How to keep MH-60 flying".</u>**

  – Funded effort for MH-60S to increase airframe service life by 2000 Flight Hours per SLEP Kit.

- **SLM: Service Life Modernization. <u>"How to keep MH-60 relevant and capable."</u>**

  – Proposed Effort, MOSA

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SLM Executive Summary

SLM will modernize the aircraft architecture and resolve multiple obsolescence issues to deliver a supportable and cost-effective platform that can rapidly respond to emerging threats.

- <u>Aircraft architecture</u> - Essentially the "brain and central nervous system" of the aircraft - think main computer (brains for the mission or flight) and the digital backbone (spinal cord) that connects everything

- <u>Multiple Obsolescence</u> - Includes integration of AFCC, EGIs, Radar Altimeter, etc.

- <u>Supportable</u> - Need a system with current technology that can carry the platform out to 2050 (digital   not analog systems)

- <u>Cost effective</u> - By separating our mission and flight critical networks we can reduce the required testing/development cycles which will reduce cost - making upgrades more affordable

- <u>Rapidly responding to emerging threats/fleet requirements-</u> - Open architecture that enable a "plug and play" concept (think apps on your iphone) will allows us to quickly introduce upgrades/changes/new capabilities without having to change system architecture each time we do
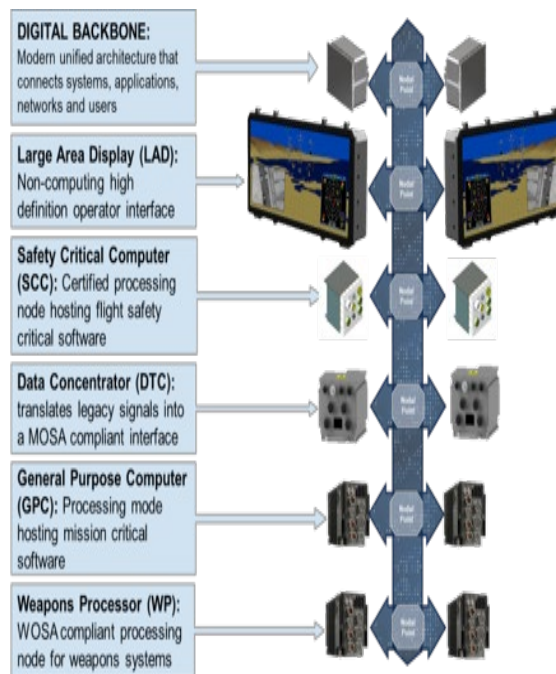
H-60 Service Life Modernization

H-60 Obsolescence Issues

- **Interdependent obsolete WRAs**
  - **AFCC, EGI, RAD ALT, Displays**

- **Significant test requirements**
  - **Mixed configurations for backwards compatibility**
  - **Extensive A/C performance and flight safety**
  - **Duplicative testing if integrated separately**

- **FMS Production Shutdown**
  - **New FMS cases accelerating domestic obsolescence issues**
  - **NRE needed before new case signs to be cost/schedule competitive**

- **Capability Gaps**
  - Capabilities **reduced competitiveness**
  - Significantly evolved threat environment

DIGITAL BACKBONE: Modern unified architecture that connects systems, applications, networks and users

Large Area Display (LAD): Non-computing high definition operator interface

Safety Critical Computer (SCC): Certified processing node hosting flight safety critical software

Data Concentrator (DTC): translates legacy signals into a MOSA compliant interface

General Purpose Computer (GPC): Processing mode hosting mission critical software

Weapons Processor (WP): WOSA compliant processing node for weapons systems

MH-60 Service Life Modernization Open System Architecture (OSA)

Opportunities

- **Bundle NRE Efforts (Cost/Schedule)**
  - **Integrated Test Approach**

- **Leverage Army Developmental Programs**
  - **FLRAA**
  - **H-60 Modernization**

- **Incorporate FVL Common Architecture**
  - **Separation of flight safety and mission systems**
  - **Mutually beneficial integration of modern sensors**

- **Open Architecture and Time Sensitive Network**
  - **Decrease dependency on OEM integration of new capabilities/upgrades**
  - **Modernized architecture for pacing technology advances**

- **Capitalize on cooperative funding**

(U) FVL(MS) & SLM Incremental Approach
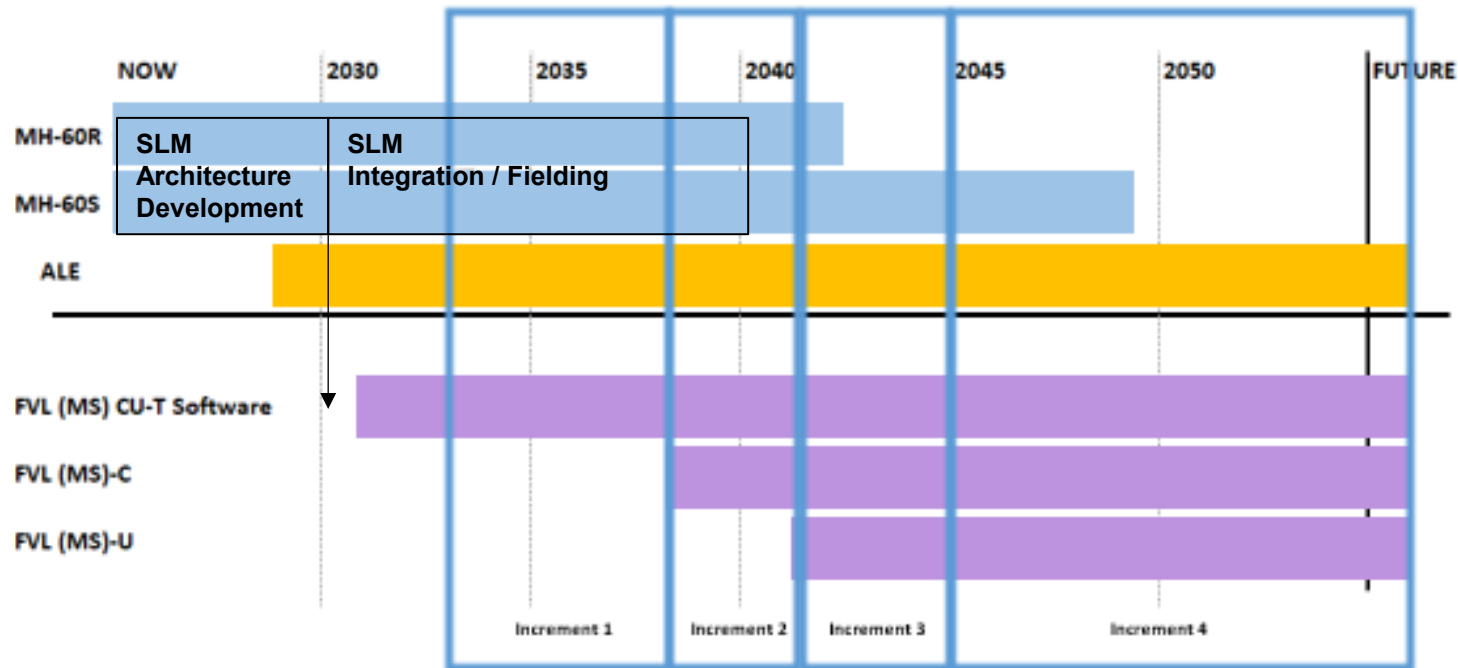
(U) Potential FVL (MS) Incremental Approach:
- (U) Increment 1: ALE + Crewed – Uncrewed Teaming (CU-T) Software + Core Mission Software
- (U) Increment 2: ALE + CU-T Software + Air Vehicle
- (U) Increment 3: ALE + Air Vehicle + Semi-Autonomous Uncrewed Software
- (U) Increment 4: ALE + Air Vehicle + Fully-Autonomous Uncrewed Software

PROPOSED APPROACH, NOT AN APPROVED ACQUISITION STRATEGY

FVL (MS) - Capability Gaps

- **<u>Identified Capability Gaps:</u>** Based on the FVL (MS) Capabilities Based Assessment (CBA), the Future Surface Combatant Force ICD and the 2019 FVL (MS) ICD, capability gaps were identified for the following missions:

Capability	Capability Description
Air Warfare (AW)	Host and employ systems and /or payloads that contribute to AW missions
Anti-Submarine Warfare (ASW)	Carry and employ weapons that can defeat undersea targets including submarines and UUVs
Command and Control (C2)	Support C2 missions with beyond line-of-sight communications
Conduct Logistics	Support logistics missions with inter-ship transfers of cargo and passengers
Conduct Patient Movement	Recover personnel from point of injury or other location where suitable landing is not available, facilitate en route care for patients, and transport personnel to medical facilities
Electronic Warfare (EW)	Passively detect, identify, and geolocate simple and complex RF emitters with sufficient AOU to support off-board targeting for ship and air-launched standoff weapons
Embark on Aviation and Air-Capable Ships	Capable of sustained embarked operations underway at sea on Navy's current and proposed major surface combatants and air capable ships
Intelligence, Surveillance, Reconnaissance, and Targeting (ISR&T)	Host and employ systems and /or payloads in support of persistent ISR&T missions
Mine Countermeasures (MCM)	Host and employ systems and/or payloads in support of MCM missions intended to achieve area coverage objectives and neutralize mines
Search and Rescue (SAR)	Execute SAR missions in support of Naval and joint force operations
Signature Control	Capable of monitoring, managing and minimizing physical and electromagnetic spectrum signatures
Special Operations Forces (SOF) Support	Support infiltration and exfiltration of SOF
Surface Warfare (SUW)	Defeat small boat threats and target surface combatants at OTH ranges

Additional Quick Topics

- **MQ-8C Firescout Sundown**

- **Air Launched Effects**

- **C-UAS**

- **Questions?**

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