



•AFLCMC... Providing the Warfighter's Edge



SIMULATORS

SML Perspective

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Simulators (AFLCMC/WNS)
Agile Combat Support (AFPEO/ACS)
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AGENDA

- Simulators Program Office Overview
- Challenges
- Example Programs
- The Future
- Summary



SIMULATORS PROGRAM OFFICE LEADERSHIP




ENGINEERING
Paul Phillips

Training Sys Ops
VACANT

- F-16**
Susan Schemmel
- Air Combat**
Craig Siefert
- SOF / AETC**
Stephanie Moore
- Tanker / AWACS**
Barry Green
- Airlift**
Jeff Pfledderer
- DMO**
Anthony Montecalvo
- Enterprise Develop.**
Heath Morton



LOGISTICS
Mark Neville

Air Combat
VACANT

- Airlift**
Joe Gerley
- SOF/AETC**
James Brown
- OTI**
Christal Green
- FMS**
Josh Sowers



AIR COMBAT
Rick Hricko

Bomber / Attack
Lt Col Aaron Hart

- F-16**
Ryan Pinsenschaum
- F-15 / AWACS**
Maj Emilio Talipan



AIR MOBILITY
Greg McCan

Tanker
Maj Keith LeBlanc

- Airlift**
Rich Johnson
- KC-46A / FMS**
Robin Moshier



SPECIAL OPS & AETC
Lt Col Gray Roos

Special OPS & UAV
Christine Haupt

- Air Education**
Mike Astahoff



OPERATIONAL TRAINING INFRASTRUCTURE (OTI)
Lt Col Rick Jaime

Architecture, Requirements & Standards
Lt Col Jeff Zdenek

- Distributed Training Systems**
Lt Col Mike Jungquist
- Cybersecurity**
Gary Coe



FINANCE
Keith Riethman

Deputy
Shannon Barnes

- Air Combat**
Don Miller
- Air Mobility**
Jeff Morningstar
- SOF / AETC**
Tony Swain
- FMS**
Eric Ellsworth
- Cost**
Johathan Bell



CONTRACTING
Cecelia Benford

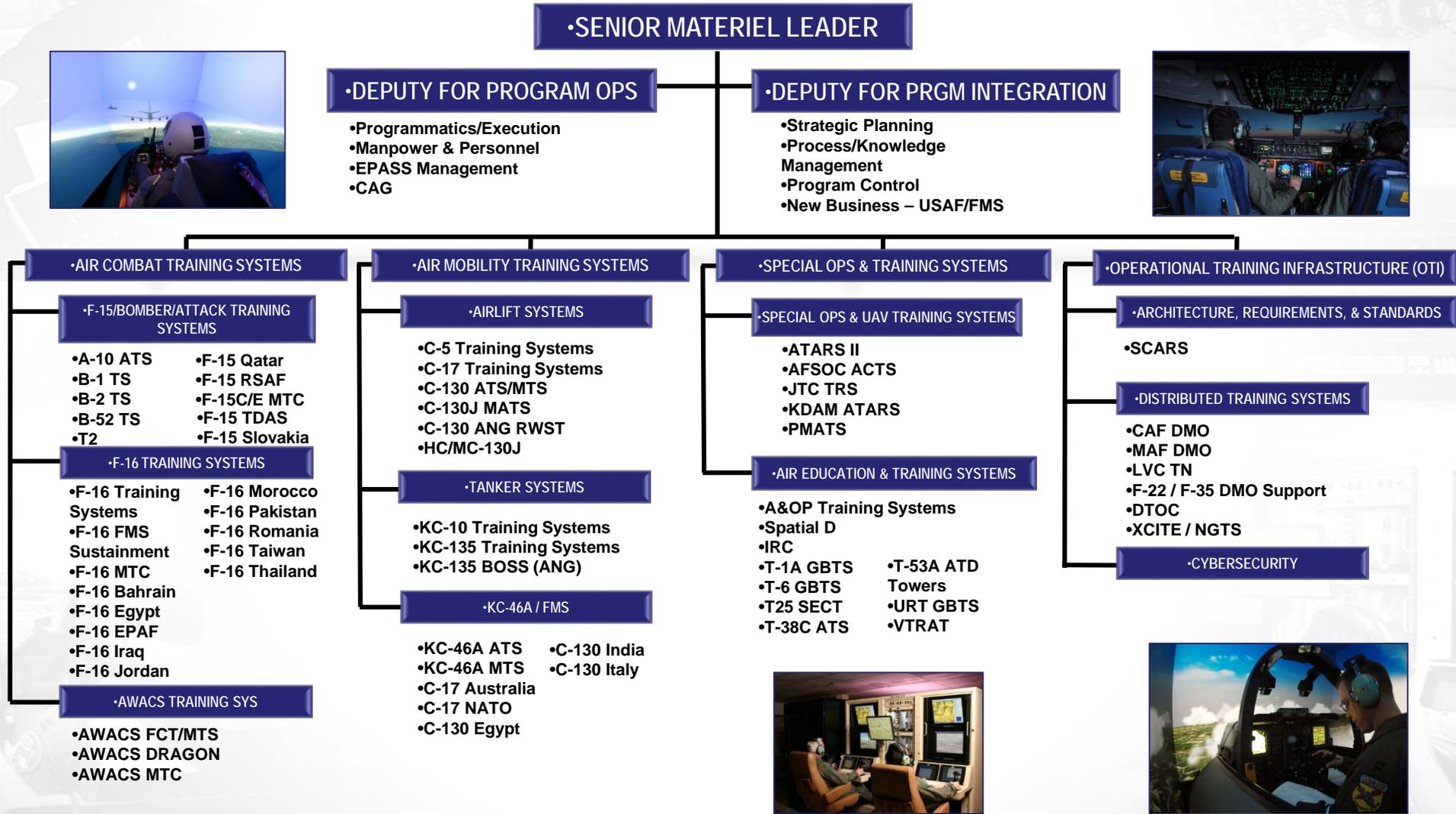
Deputy
Jackie Edwards

- Air Combat**
Curtis Locker
- Air Mobility**
Norm Willis
- SOF/AETC**
Bob Mitchell





SIMULATORS PROGRAM OFFICE ORGANIZATIONAL CHART





SIMULATORS PROGRAM OFFICE

- Approximately 500+ members strong
- Manage 63 programs and provide direct support to 9 MAJCOMs across the air & SOF domains



- Portfolio includes 2,300+ Training devices and configurations worldwide
- In FY18, executed >600 contract actions and managed \$3.3B across 10 different appropriations

SPECTRUM OF TRAINING

•Virtual Reality



•Integrated DeskTop •Trainers



•Advanced Flight Training Devices



•Mixed Reality



•Full Flight



•Part Task



•In-Aircraft •Training

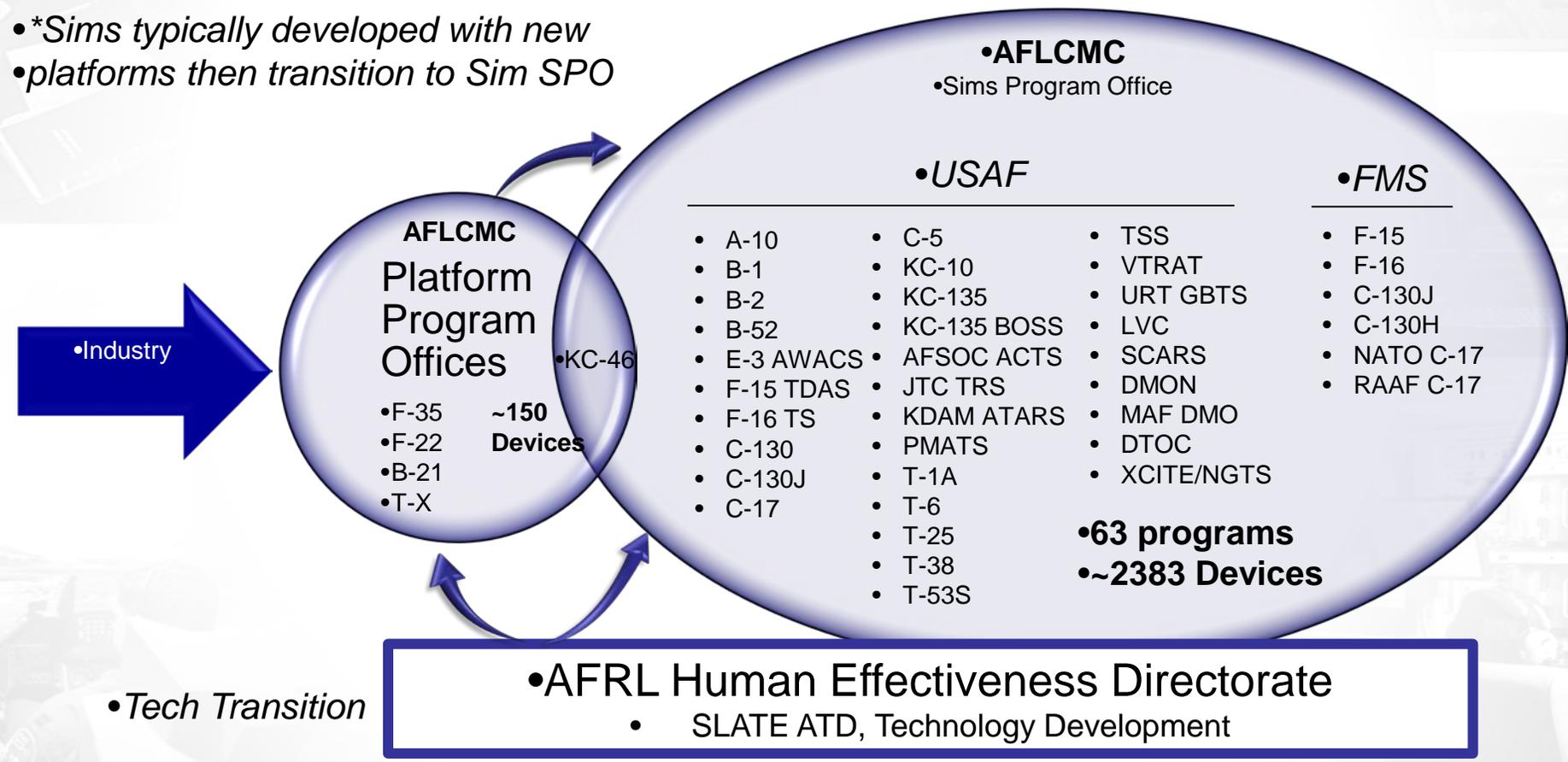


•SPECTRUM OF TRAINING

SIMULATOR UNIVERSE

•AFLCMC Program Lifecycle

- **Sims typically developed with new platforms then transition to Sim SPO*



•AFLCMC/WNS & AFRL/RHA combine to form the "Training Systems Product Group"



SIMULATORS PROGRAM OFFICE CHALLENGES



- Managing diverse and dissimilar portfolio of simulator programs
- Balancing ops tempo, source selections, and training continuum
- Resource constraints
- Hardware and software obsolescence
- Cyber compliance difficult with 2,300+ training devices (most in sustainment) with a wide variation of configurations
 - Exacerbated by procurement approach
 - Not bought in lots (i.e., aircraft production)
 - Incrementally procured over decades to meet platform's operational training requirements

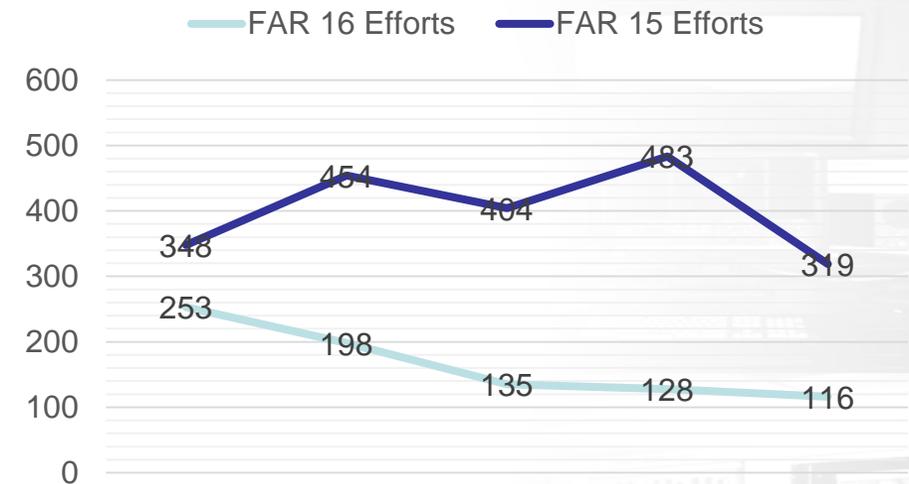




OVERCOMING THE CHALLENGES

- Strategic Contracting
- FAR Part 16.5 Procedures
- Training Systems Acquisition III IDIQ Contract
 - \$20B Ceiling: \$13.7B available
 - 25 Industry Partners: 13 Small Business Partners & 12 Unrestricted Partners
 - PoP ends 2025: Programs can order through 2028
- OTAs

Recent Efforts



AF OTI 2035 FLIGHT PLAN

•***Vision – “...a realistic, integrated training environment that allows our forces to train in an operationally and tactically relevant employment scheme to achieve and sustain full-spectrum readiness.”***



•Air Force has identified 13 OTI Lines of Effort required to achieve the OTI vision.

1. Funding Strategy

2. Human Capital Plan

3. **SYNTHETIC-TO-LIVE
CAPABILITY**

4. Data and Technical
Standards

5. Acquisition Policy

6. Acquisition Oversight

7. Institutionalize OTI

8. Relevant Threat
Environment

9. Quality Metrics

10. Joint Interoperability

11. Multinational
Interoperability

12. **COMMON
ARCHITECTURE**

13. Exercise Oversight

•*Simulator Program Office directly impacts lines 3 and 12 with the LVC and SCARS initiatives

INNOVATION INITIATIVES

- OTAs
 - Distributed LVC
 - Fresh Adaptive Scenarios for Training (FAST)
 - B-1/B-52 cross-cutting visual system upgrade
- Innovation Cell
 - A/R & V/R
 - Cloud Technologies
 - Artificial Intelligence and Adaptive Learning
- Pitch Day
 - I/ITSEC 2019



•Innovative Initiative



•Experimentation & Prototype



•Production & Enterprise Implementation



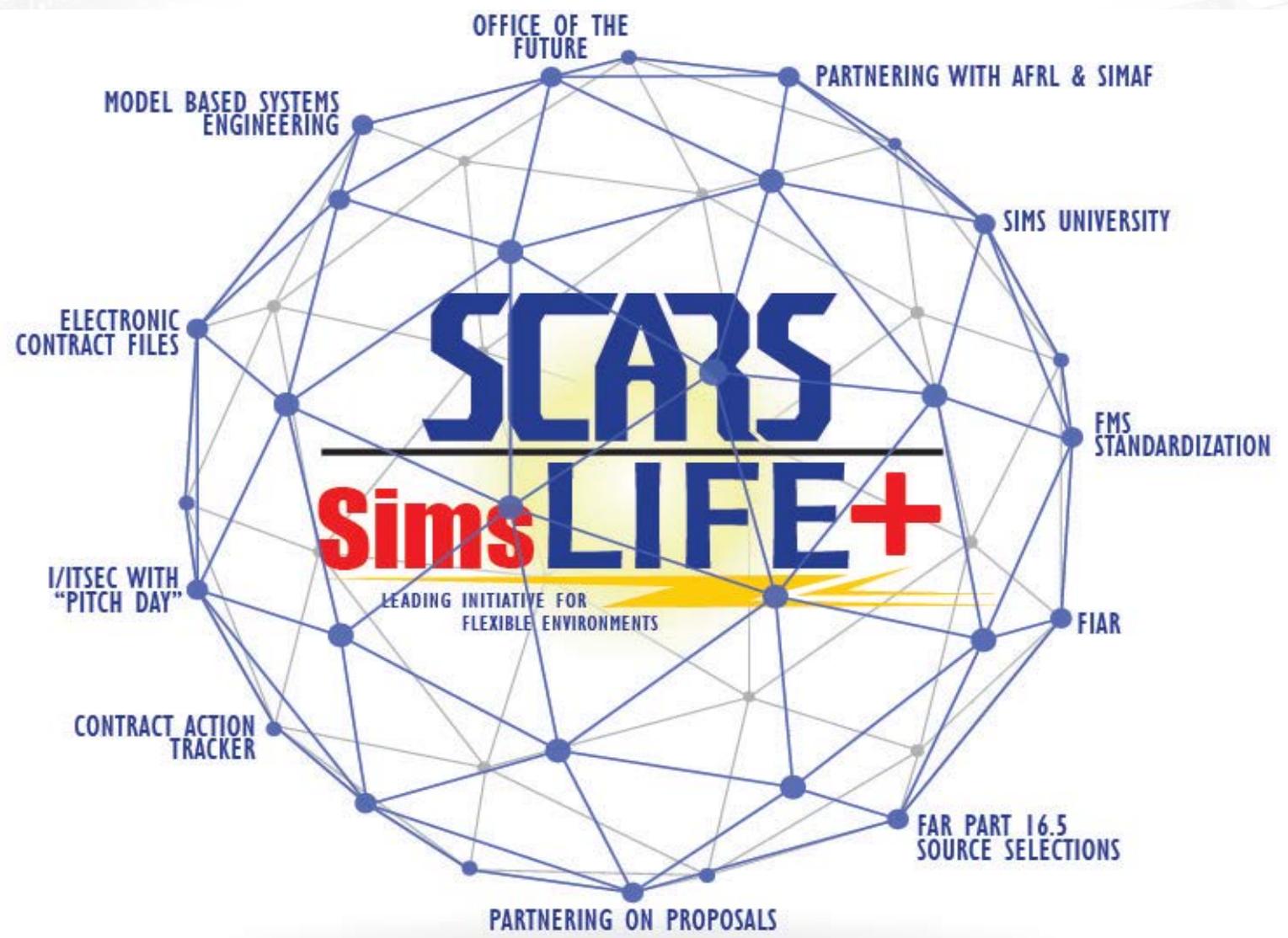
Sims LIFE+

LEADING INITIATIVE FOR
FLEXIBLE ENVIRONMENTS

Leading the way to a more innovative workplace
supporting multiple employee workstyle choices!



The Simulators Way Forward





•What's the problem?

- AFLCMC doesn't have space to accommodate growth
- Simulators Program Office has used up all assigned space
 - Projecting an increase in headcount by 80+ individuals in the next 12-24 months
- WPAFB cannot quickly fix the bigger AFLCMC problem

•What are we doing?

- Fixing the problem ourselves
- Redesigning/updating the building 32 office space
- Implementing voluntary telework program

Current: 64 prgms
512 mbrs & growing

FY17: 56 prgms
\$2.7B/446 mbrs

FY18: 63 prgms
\$3.3B/497 mbrs

Cyber/SCARS/FMS Boom

FY16:
52 prgms/\$1.9B
432 mbrs

Steady Growth

FY15:
48 prgms/\$2.0B
428 mbrs

FY14:
46 prgms/\$1.9B
421 mbrs

Hill AFB Transition

FY10-FY13: WNS grows from
174 members to 406

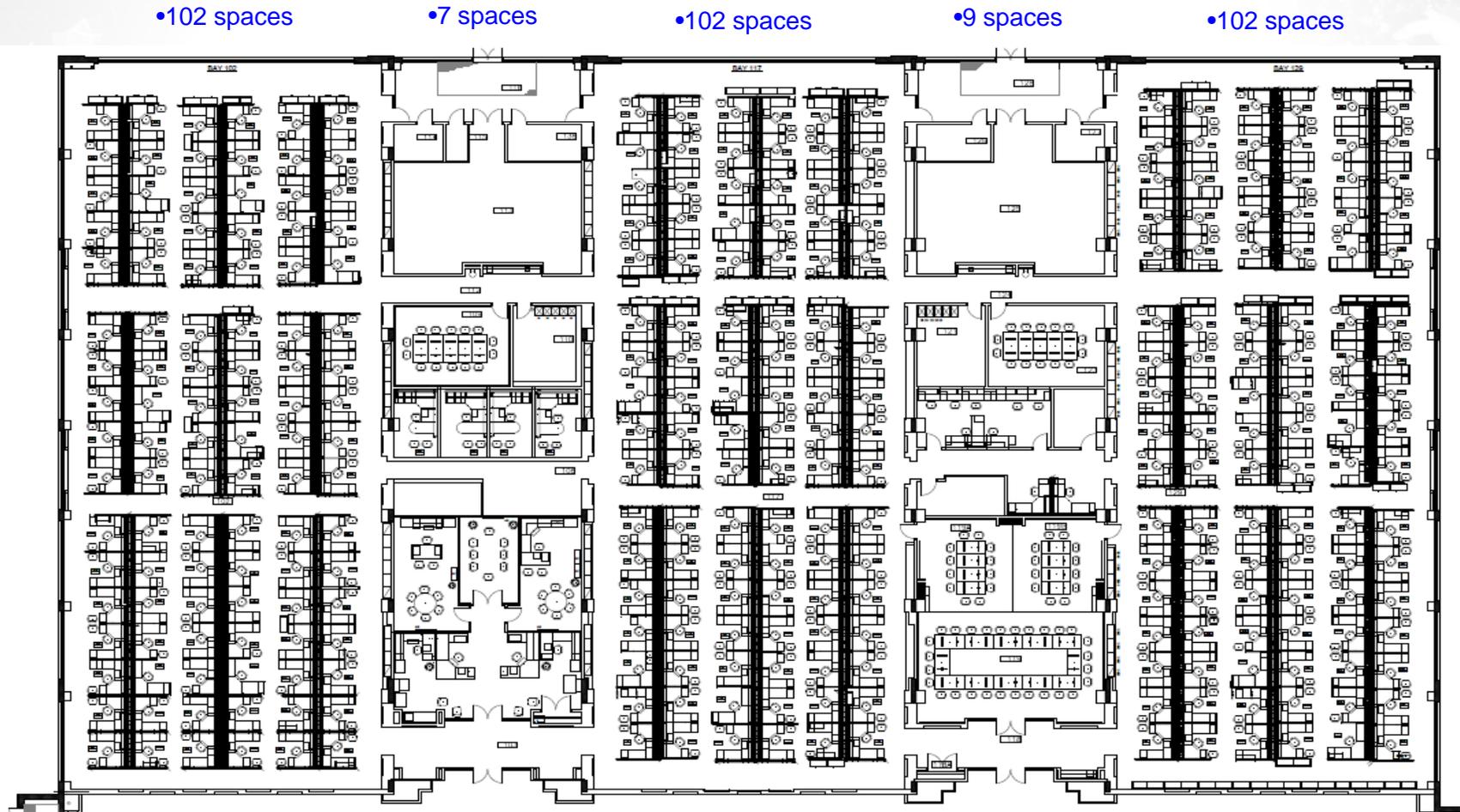


Simulators Goal



- **Full mobility; laptops/tablets and Wi-Fi throughout**
- **Multiple work-styles choices for all employees**
- **Telework Opportunities for all employees**
- **Workspace Sharing –**
 - Hoteling workstations
 - Teaming rooms
 - Casual lounge space
 - Break areas
- **Health & Welfare considered in workplace design**
 - 100% Adjustable height workstations
 - Ergonomic chairs
 - Quiet spaces for employee privacy

Current Building 32 furniture configuration



•Total = 322 workspaces



New Building 32 furniture configuration



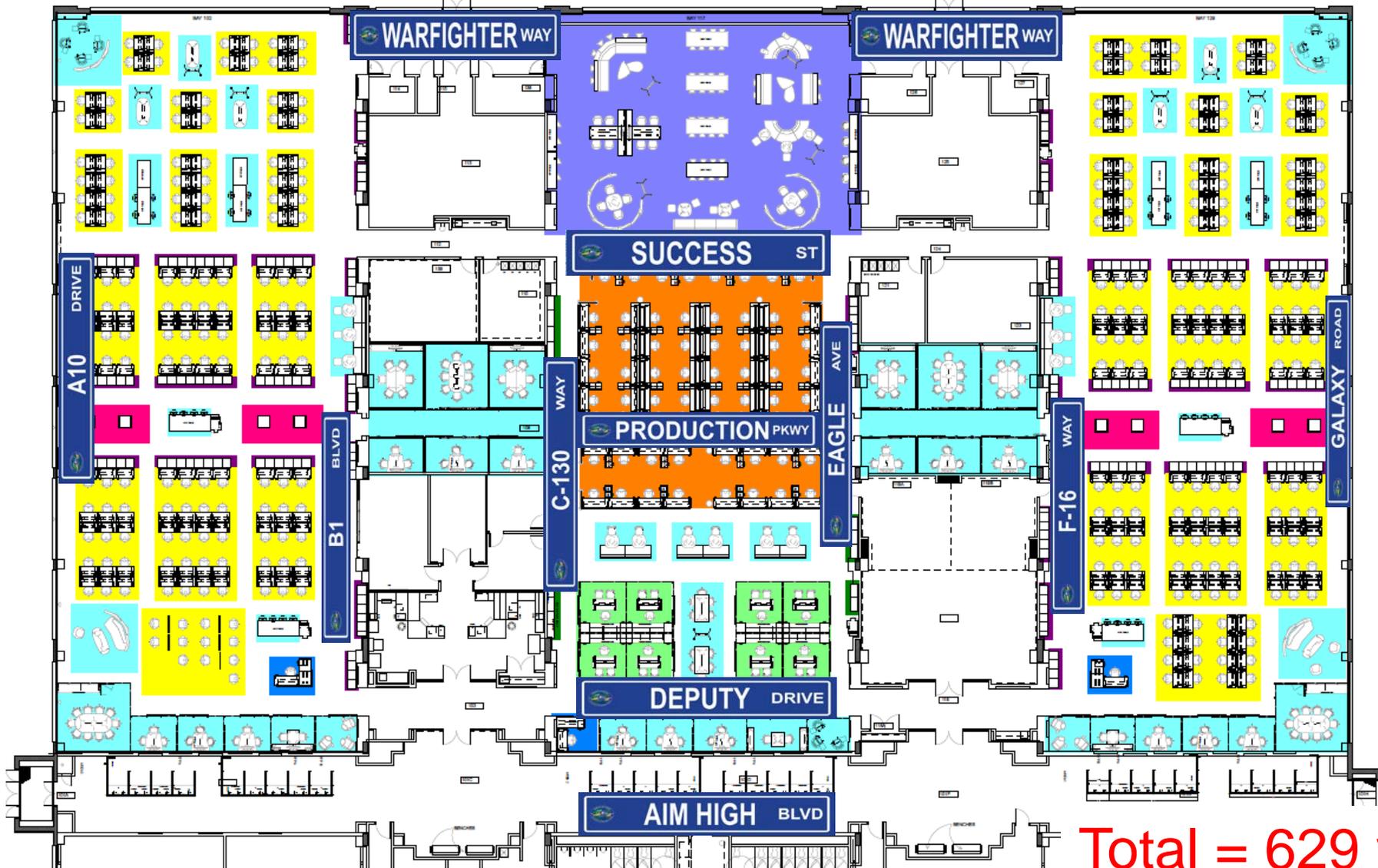
197 spaces

29 spaces

177 spaces

29 spaces

197 spaces



Total = 629 workspaces











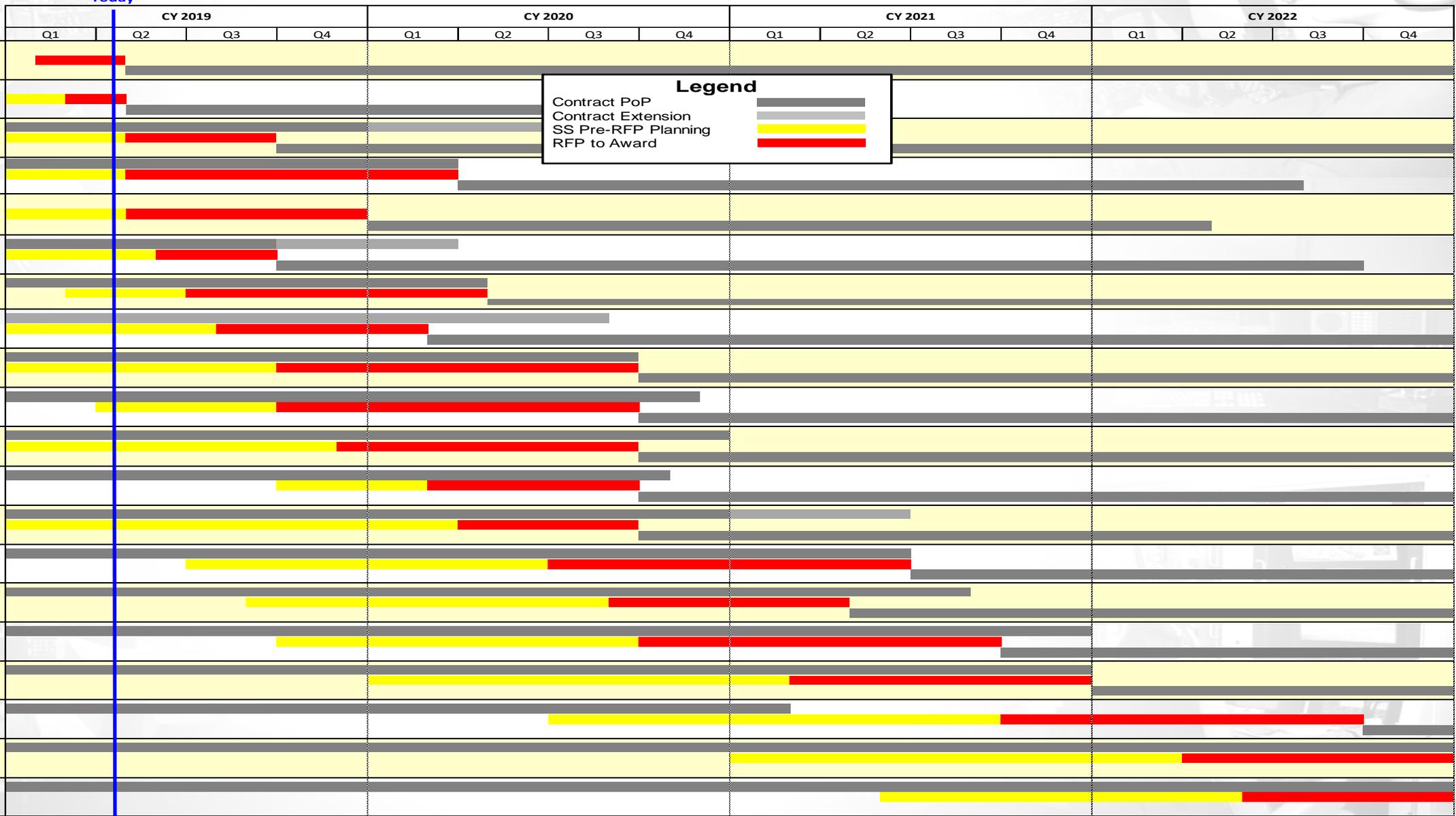


Program Office Waterfall Chart



Simulators Program Office Source Selections

Today



Legend

- Contract PoP
- Contract Extension
- SS Pre-RFP Planning
- RFP to Award

