



Program Executive Office Command, Control, Communications, Computers, and Intelligence (PEO C4I) SPAWAR 2.0 and PMW 760

C4I Engineering, Integration, and Installation Contract (CEnIIC) Industry Day

1 December 2016
Heidi Radaford, PCO
SPAWAR 2.1B9

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*Information Dominance;
Anytime, Anywhere...*





CEnIIC Industry Day Agenda



- 0830 – 0900 Contractor Check-in**
- 0900 – 0915 Welcome & Rules of the Road**
Acquisition Strategy/Draft RFP
- 0915 – 1000 PEO C4I/PMW 760 Overview**
Scope
Test and Integration Facility (TIF)
- 1000 – 1015 BREAK**
- 1015 – 1030 Questions to Government**
- 1030 – 1100 Government Caucus**
- 1100 – 1130 Answer Session**
- 1200 – 1400 TIF Tours**



Welcome



- Welcome
- Housekeeping
 - Restrooms
 - Breaks
 - Eating areas
 - Smoking areas
 - Lunch suggestions



Rules of the Road

- Questions are encouraged.
 - Submit all solicitation-related questions in writing before the Q&A session.
 - Verbal questions may not be answered during the Q&A sessions, but will be recorded for response on the public site (see below).
- All questions and answers (along with the slides) will be posted on the SPAWAR E-Commerce website (<https://e-commerce.spawar.navy.mil>)
- Any changes to the draft RFP will be reflected in the final RFP when issued.
- No side bar discussions with Government Representatives



Contract Strategy



- Maximize Competition
- Indefinite Delivery/Indefinite Quantity (IDIQ) Contract
 - Cost Plus Fixed Fee (CPFF) Task Orders
 - Firm Fixed Price (FFP) Task Orders
 - Single Award
- Total Duration – 5 Years
 - 5 year ordering period
 - No option years
- Strategy satisfies the requirements and overarching concepts
 - Provide Best Value approach
- Anticipated RFP issue date – 3 January 2017
- Anticipated Proposal due date – 20 February 2017
- Anticipated award date – September 1, 2017



Places of Performance/ Mandatory RFP Requirement



- The effort will be performed at the following locations:
 - Charleston, SC
 - Mobile, AL
 - San Diego, CA
 - Bath, ME
 - Pascagoula, MS
 - Marinette, WI
- Approximately 60% of the effort will be performed at the Government facilities (SSC-LANT Test and Integration Facility (TIF), Shipyards, and Shipboard); 40% of the effort will be performed at Contractor facility
- Mandatory RFP Requirement: Contractor shall establish and maintain office space and production space for fabrication, testing, and material storage within 25 miles of the TIF facility located at SSC LANT



Evaluation Factors



- Factor 1: Management Approach
 - Subfactor 1.1: Program Management/Execution Plan
 - Subfactor 1.2: Sample Management Scenario
 - Subfactor 1.3: Key Personnel
 - Subfactor 1.4: Small Business Utilization
- Factor 2: Technical Approach
 - Subfactor 2.1: Systems Engineering
 - Subfactor 2.2: Production and Integration
- Factor 3: Past Performance
- Factor 4: Cost

Government will award based on Best Value



Organizational Conflict of Interest



- DFARS Clause 5252.209-9203 Organizational Conflict of Interest – All Offerors shall submit the following regardless of potential OCI determination:
 - Offerors shall identify and describe any contractual efforts they or any affiliate, joint venture, or subcontractor are presently providing to PEO C4I, SPAWAR, SSC Pacific, SSC Atlantic, or any other activity where the effort relates to PMW 760
 - Offerors shall include name of contractor, joint venture, affiliate, or subcontractor; the contracting agency; contract number; a short description of the work; and whether the Offeror believes the listed effort results in a potential OCI for this solicitation. The Offeror shall specifically address why it believes no OCI exists, if applicable.
- The PCO will evaluate responses and determine if any potential OCI exists



PEO C4I Background



- Program Executive Office for Command, Control, Communications, Computers, and Intelligence (PEO C4I), PMW 760 (Ship Integration) is responsible for installation of integrated C4I capabilities aboard new construction ships.
- Integrated C4I capabilities provide robust communications for operations, maritime, and flight safety.
 - Network capabilities
 - Communications
 - Command and Control
 - Intelligence



PEO C4I Background



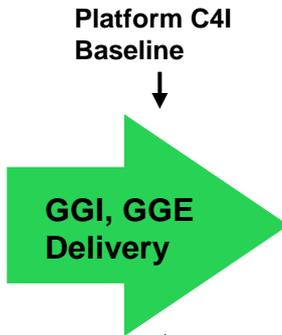
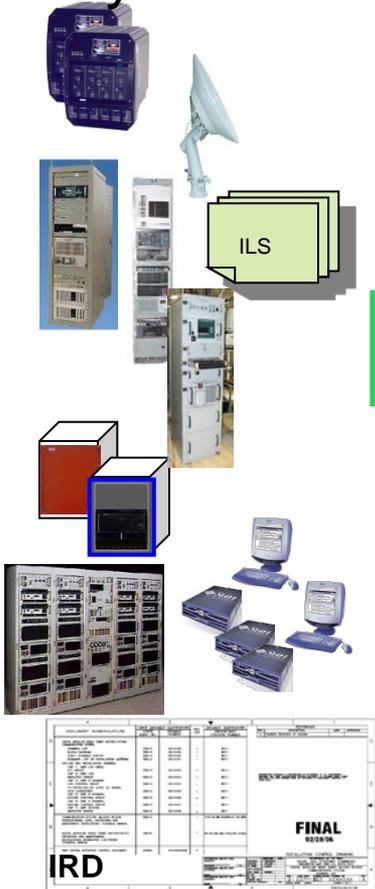
- Supports various military shipbuilding programs
 - Amphibious Ships (LPD, LX(R))
 - Special mission ships (EPF)
 - Auxiliary (T-ATS, T-AO 205 Class, LCU 1700 Class)
 - Surface Combatants (DDG, FF)



PEO C4I Design Integration Process



Acquisition Systems

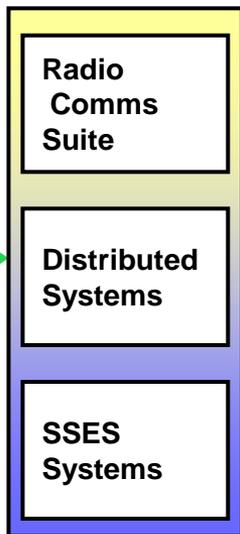


Platform C4I Baseline
↓

TIF Schedule
↑

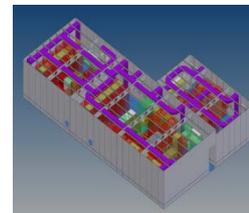
Design / Integration Engineering
↑

TIF



ILS Collection
↑

Non-Pushed Items
↑

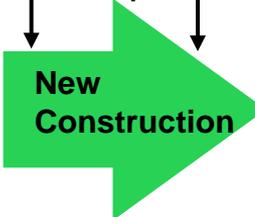


Shipyard



CDD
↓

Ship Schedule A, C
↓



AWP: Availability Work Package; **CDD:** Capability Development Document; **GFI:** Government Furnished Information; **GFE:** Government Furnished Equipment; **GGI:** Government-to-Government Information; **GGE:** Government-to-Government Equipment; **ILS:** Integrated Logistics Support; **IRD:** Installation Requirement Drawings; **SSES:** Ship Signal Exploitation Space



Performance Objectives and Scope



- Expectations
 - Learning curve (follow hull)
 - Cross platform efficiencies (commonality)
 - Reduce total costs to the Government
- Phases of Work
 - Requirements/Design Engineering
 - TIF
 - Shipboard Installation
 - Post Delivery Support
- Types of Work
 - Design/Systems Engineering
 - Production/Integration
 - Installation/Testing
 - Configuration Management/Integrated Logistics Support



Design/Systems Engineering



- Design Requirements (e.g., Arrangement, HVAC/Power, Cable)
- Impact Assessments
- Design Decision Matrix
- C4I GFI/GGI
 - Provided to Shipyard/Planning Yard
- TIF Design
- Bills of Material
- Engineering Change Proposals
- Human Systems Integration
- Systems Engineering (management, design, and specifications management)
- SoS Work Breakdown Structure
- Specifications Tree
- Functional Interface Diagram
- Specialty Engineering Studies
- Turnkey Execution Plan



Production/Integration



- Platform TIF Integration
- Production Management
- Production and Fabrication
 - Procure/fabricate cabling, equipment, racks, ancillary hardware, etc.
 - Build integrated assemblies, assemble components inside equipment cabinets, build test fixtures, etc.
- TIF Completion and Pack-out
- Platform Shipboard Integration



Installation/Testing



- Testing
 - Test Plan and Procedures
 - TIF Testing
 - Shipboard Testing
 - Environmental Testing
- Installation
 - Installation Plan
 - Equipment Installation
 - Space Turnover Support
 - Trials Support
- Post- Sea Trials Support



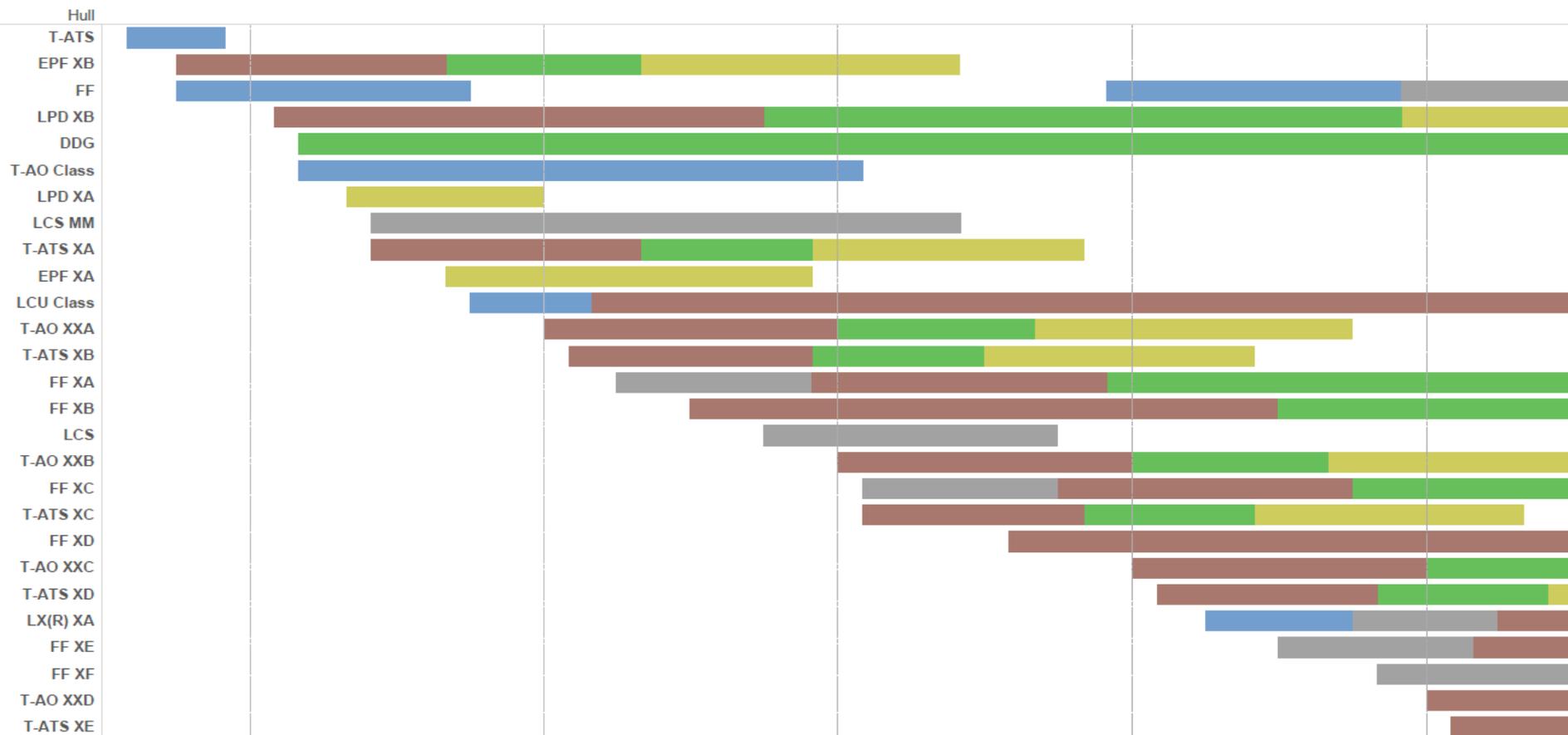
CM/ILS



- Baselines
 - Non-POR equipment
 - As-Built drawings
- Configuration Management
 - Drawings
 - WBS
 - Specifications
 - Technical Data Packages
 - GFI/GFE
- C4I Logistics Packages
 - Certifications



Platform Forecast

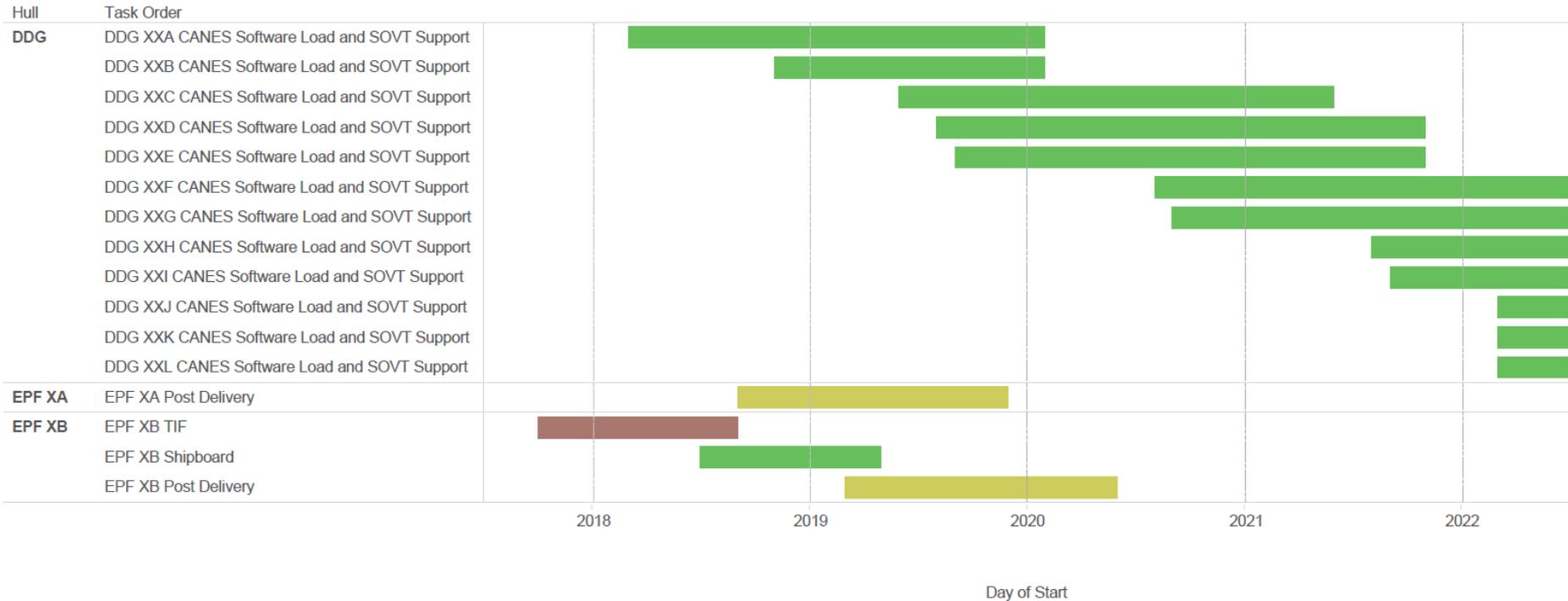


- Phase**
- Design/Engineering
 - TIF
 - Shipboard
 - Post Delivery
 - Material Procurement

Note: Notional Schedule subject to change. Platform Hull Numbers removed for Public Release.



Detailed Platform Forecast

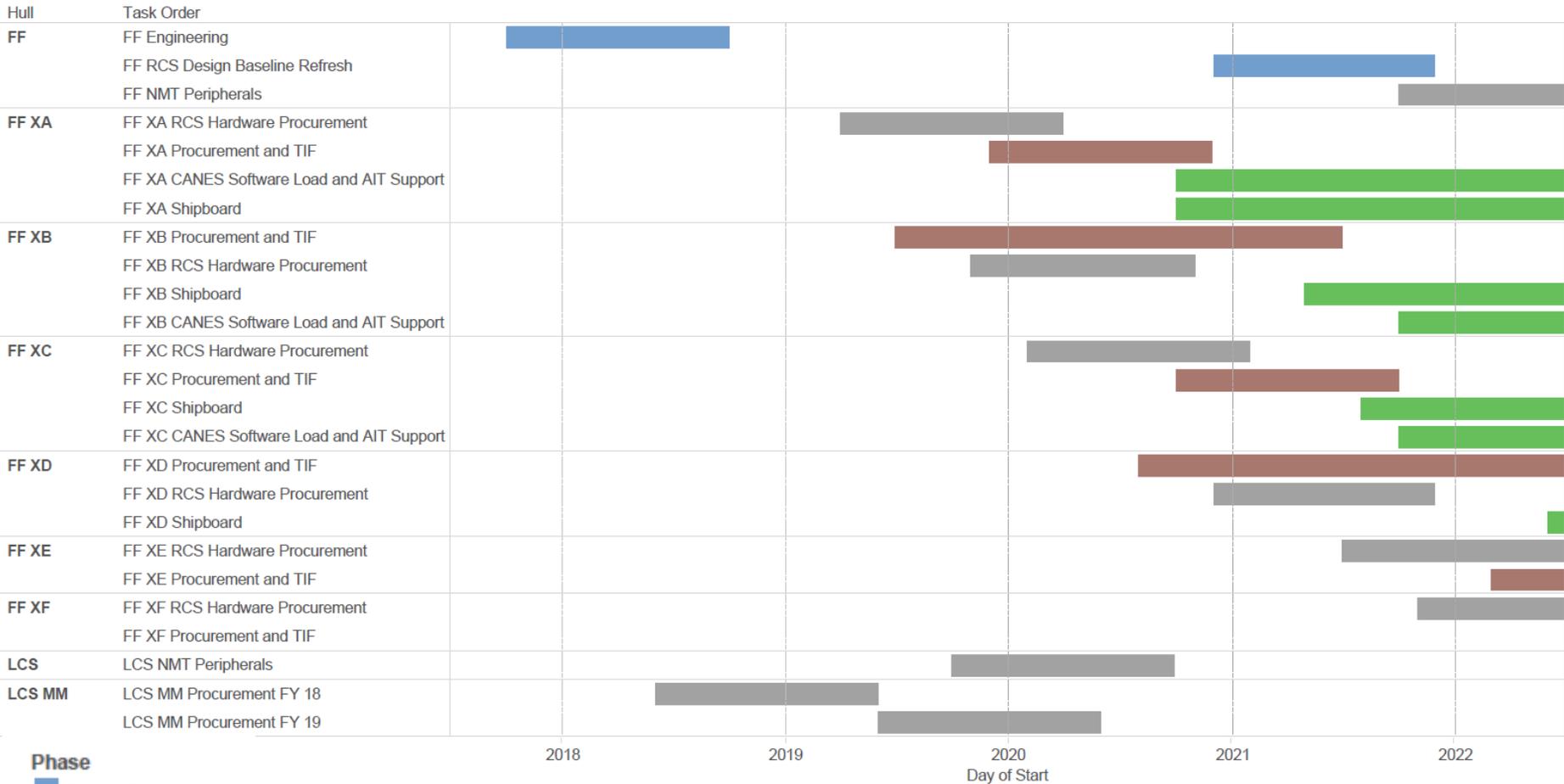


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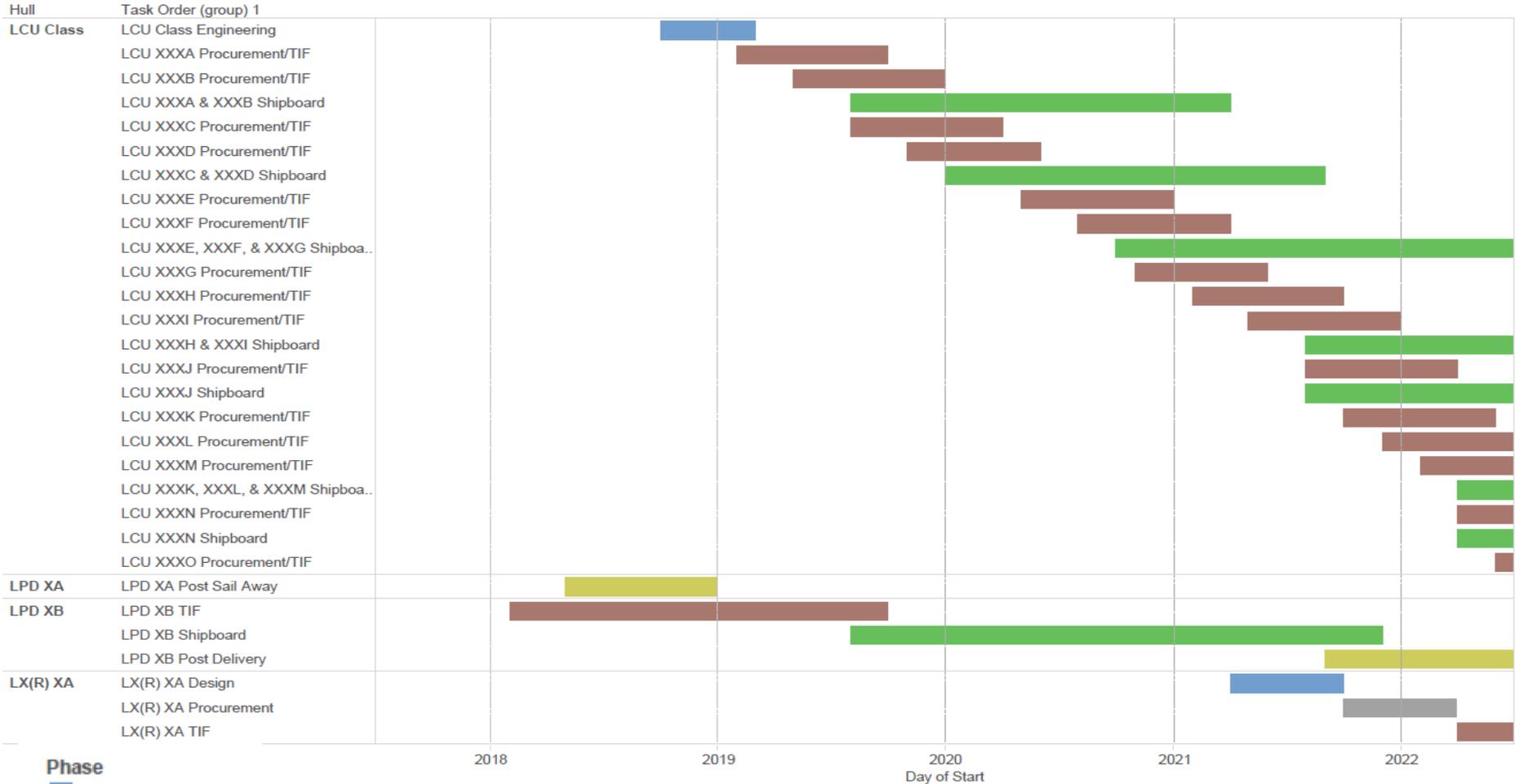
Detailed Platform Forecast (cont'd)



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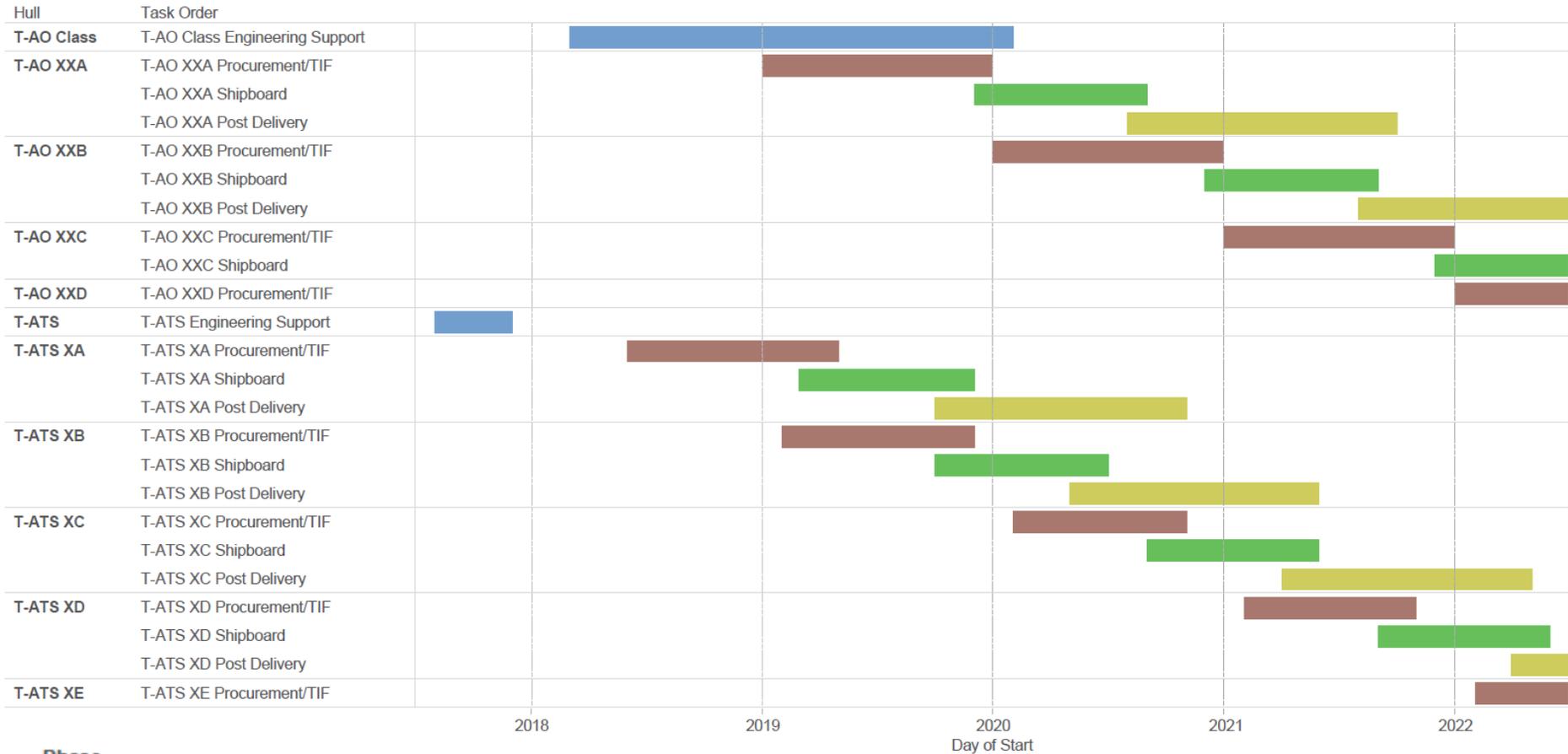
Detailed Platform Forecast (cont'd)



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Detailed Platform Forecast (cont'd)



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Government TIF

- Located at SPAWAR Systems Center–Atlantic (SSC-LANT) in Charleston, SC
- Land-based validation of design
 - Verifies interoperability of System of Systems
 - Production and validation period for non-2Z equipment and intra-compartment cables
 - Land-based environment conducive to production
 - Allows for change management within Government controls (pre-GFE delivery)
 - Enables technology insertion
 - Avoid builder delays
- Risk Mitigation
 - Integration period early in the ship construction cycle
- Test Procedure Development
 - Allows for Industrial Test procedure development and validation
 - Allows for mission-based test execution



Government TIF



- Approx. 40,000 sq. feet
- Interior is reconfigurable
 - Capable of housing 8 different hulls of equipment simultaneously
- False deck/plenum HVAC
- Material Management Area
- Operated at Closed Secret Security Level
- Permanent assets include antenna for HF, VHF, UHF, UHF SATCOM
- Hosting capability for ship set equipment
 - Two antenna platforms for SHF, EHF, other
- 100 Mbs network connection to Defense Research and Engineering Network (DREN)
 - Upgrade in progress to 10 Gbs with SIPR connectivity
- No chill water required to date



Government TIF



- Spaces Typically Emulated in TIF
 - Main communications center/Command and Control System Center (CCSC)
 - Transmitter/receiver rooms
 - SSES spaces
- Elements of the TIF
 - Reconfigurable bulkheads
 - Reconfigurable wireways
 - Typically intra-compartment cables go to the ship
 - Power
 - Can emulate ship's power if required
 - Permanent TIF Power Panels
 - Wireways/Arrangements built IAW GFI
 - Equipment Configuration updates supported
 - Firmware/hardware/software updates absorbed if possible
 - Only mock up required obstructions
 - Evaluated by engineering team using 3D design
 - Sized to accommodate platform space arrangements
 - Build Packages developed specific to TIF production/integration



TIF Tours



- EPF 9
- Warehouse and Inventory Management

TIF Tour Schedule

1200 – 1230: TIF Tour 1

1230 – 1300: TIF Tour 2

1300 – 1330: TIF Tour 3

1330 – 1400: TIF Tour 4



TIF Tour



Group 1 (1200)	Group 2 (1230)	Group 3 (1300)	Group 4 (1330)
Theodore Orlando	Richard Barnhart	Kelly Baldwin	Michael Dollens
John Cox	Christy L. Loyer	Tim Galegher	Jay O'Donnell
Don Barnard	Ronald Steven Amell	Bryan Newman	Mike Virnig
Mark Kohlheim	Bambi Thompson Hoyt	Ken Ritter	Johathan Adkins
Mike Quinn	Michael Andrew Hoyt	Lori Ventimiglia	Diana Manchak
Dena Elrod	Joshua G. Hatter	Rod Smith	Lauren Zamler
Toni Taylor	Craig Herring	Gene Hindman	Dr. Gary Durante
Steve Golle	Zach Conover	Sharon Oliver	Paul Fagala
Michael Lood	Kimberly P. Garee	Jeffrey Liegl	Jon Brisar
Michael Punkosky	Gabriel Bell	Drew Miller	Mark Stusnick
Tracey "Emmett" Combs			



Directions from Building 3112 to Building 1648 (TIF)

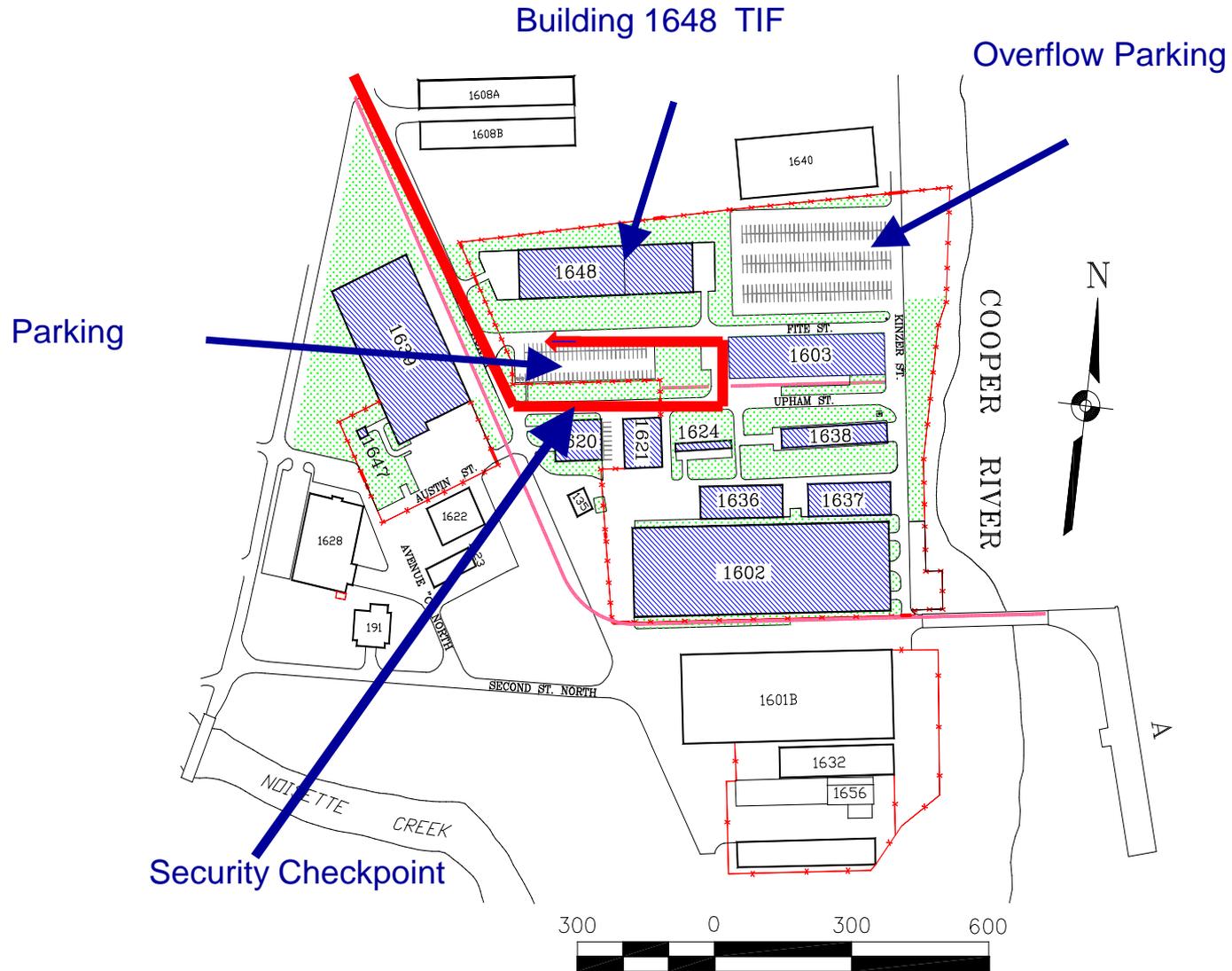


- Leave Building 3112 and turn left onto Tank Road
- Exit through Gate 4 and turn left onto Remount Road
- Turn right at the flashing light onto Virginia Avenue
- Follow Virginia Avenue for approximately 1.5 miles
- Turn left onto Noisette Blvd (across the railroad tracks)
Noisette will turn to the right, go straight on Avenue B North
- Go straight at the stop sign
- Once past the chain link fence, turn left on Upham Street towards the security checkpoint
- Take the first left past the checkpoint, and Building 1648 will be in front of you on the left

(see map next slide)



Map





Break



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Question and Answer Session

