





**Marshall Space Flight Center (MSFC)
Michoud Assembly Facility (MAF)
Manufacturing Support & Facility Operations Contract (MSFOC)
Industry Day Agenda**

Welcome

Sheila Cloud

MAF Overview/Transition

Sheila Cloud

MSFOC Acquisition Goals

Randy Baggett

MSFOC Procurement Overview

Mark York

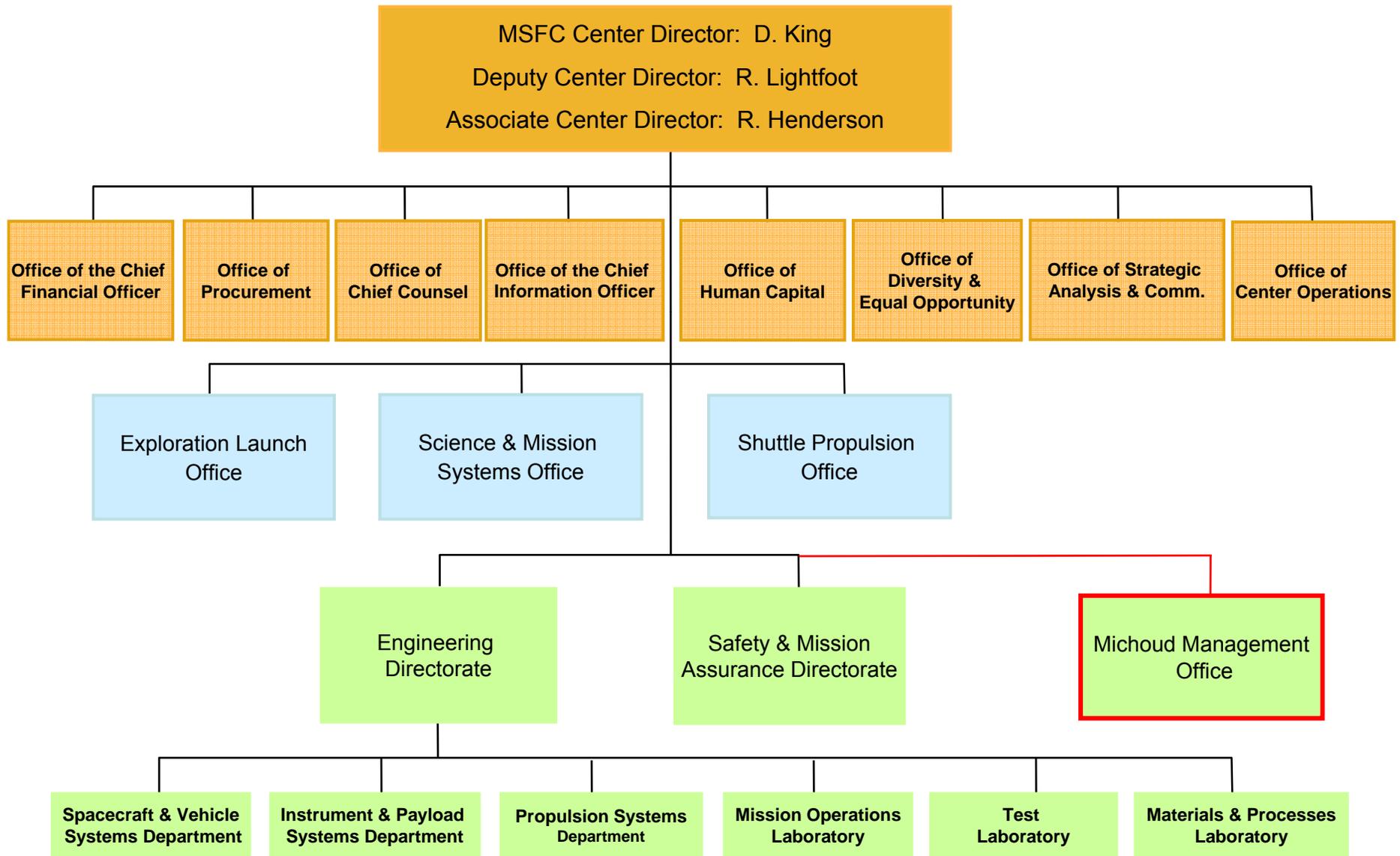
MAF Concept of Operations

John Brunson

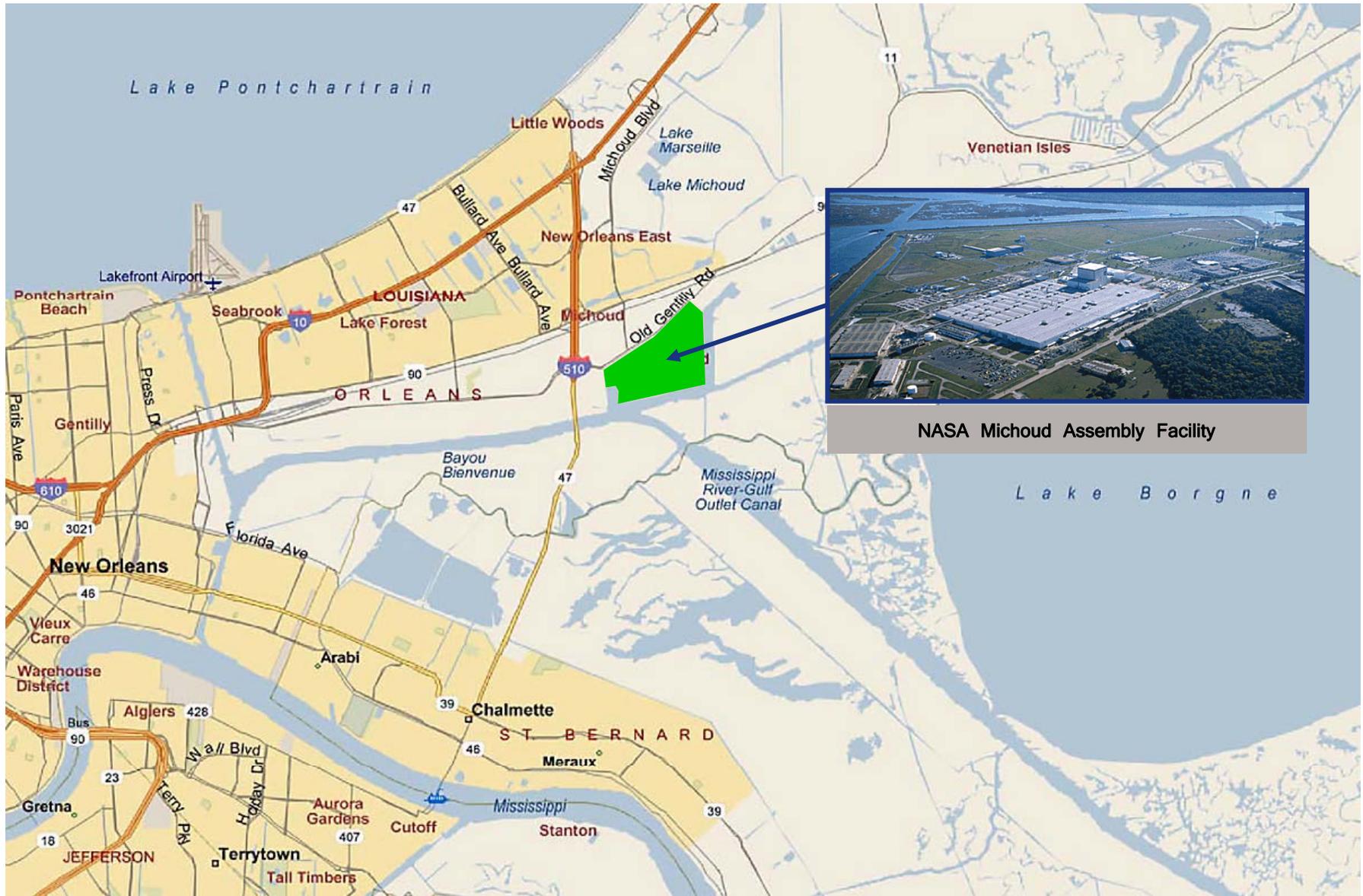
Frequently Asked Questions

Mark York

MSFC/Michoud Organizational Structure

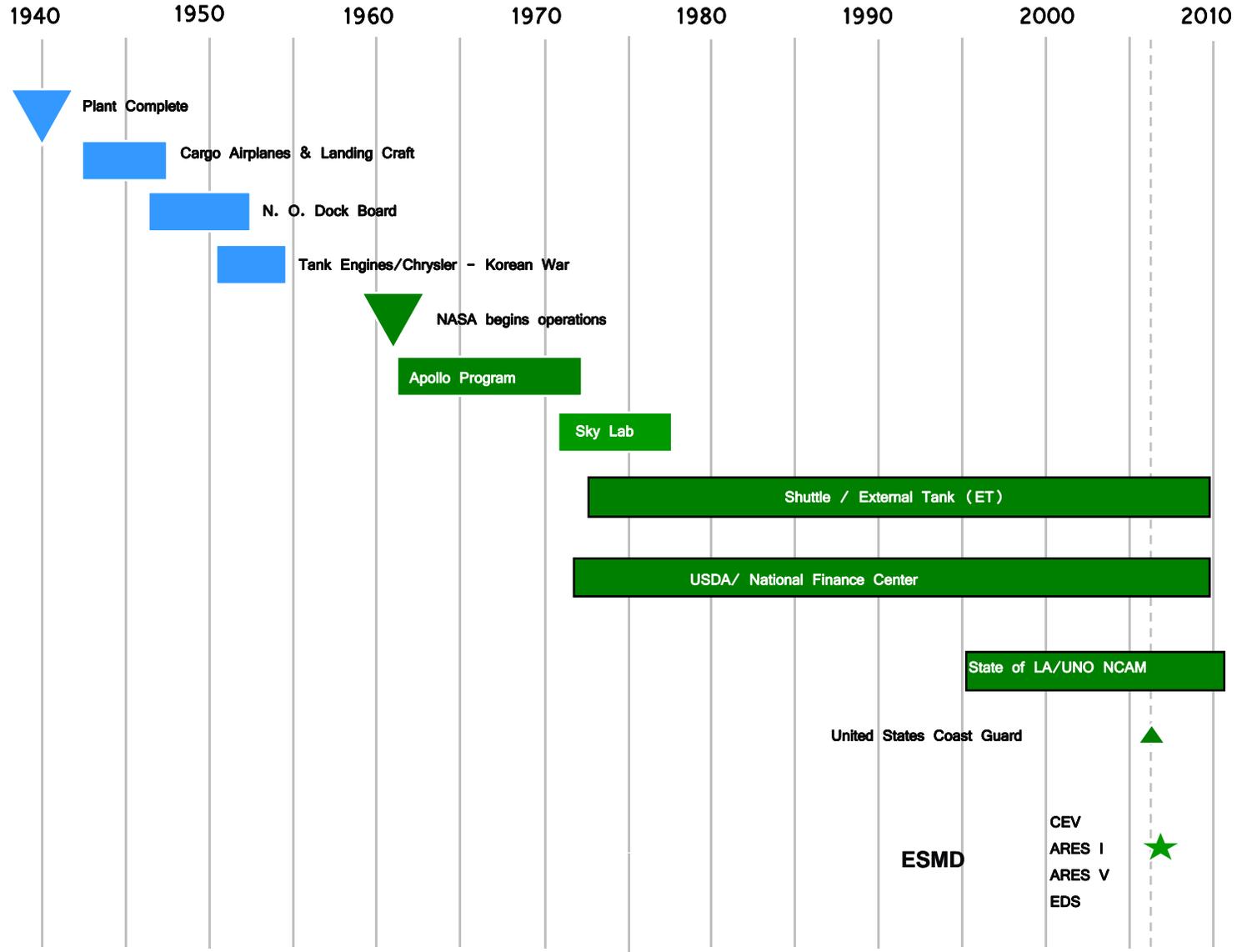


MAF Regional Map



NASA Michoud Assembly Facility

MSFC Michoud Assembly Facility History



MSFC Michoud Population



NASA Project Management

• NASA	9
• Defense Contract Management Agency (DCMA)	45
• Defense Contract Audit Agency (DCAA)	<u>16</u>

Subtotal 70

NASA Prime Contractors

• External Tank (ET) / Site Operations	2150
• CEV	<u>200</u>

Subtotal 2350

Tenant Agencies

• Department of Agriculture	1610
• DCAA	6
• DCMA	3
• University of New Orleans (UNO)	14
• United States Coast Guard	<u>300</u>

Subtotal 1933

Total Michoud Daily Population 4353



MAF's Mission

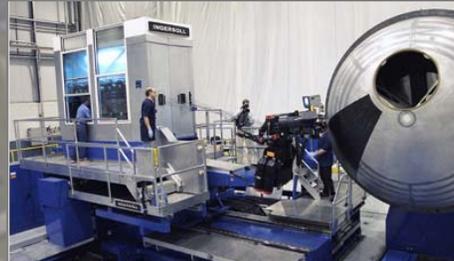
Large aerospace assembly and manufacturing for NASA programs



Apollo - 1962 to 1973



External Tank - 1970's to present



Capabilities in place for multi-NASA programs



MAF Capabilities

Infrastructure in place for manufacturing of large aerospace structures



◆ Site Capabilities

- 832 acre site – Port/Harbor Facilities
- 3.8 M ft² total infrastructure (deep water access)
- 900,000 ft² Office Facilities – Interstate access
- 400,000 ft² Warehouse Facilities – Nearby railway accessible
- 200,000 ft² Site Operations – On site parking (5,300 vehicles)
- 27 Major Utility Systems



◆ Manufacturing Capabilities

- 2.2 Million ft² Manufacturing Space (open high-bay areas)
- Full complement of plant equipment, tooling, and skills



◆ Testing Capabilities (component and full scale)

- Pneumatic testing
- Hydrostatic testing
- Structural load testing

◆ Advanced Manufacturing Capabilities



MAF Capabilities

Infrastructure in place for manufacturing of large aerospace structures



◆ Laboratory Capabilities

- Production Support
- Materials and Processing
- Analytical Chemistry / Metallurgy
- Large Structures Test



◆ Environmental Program

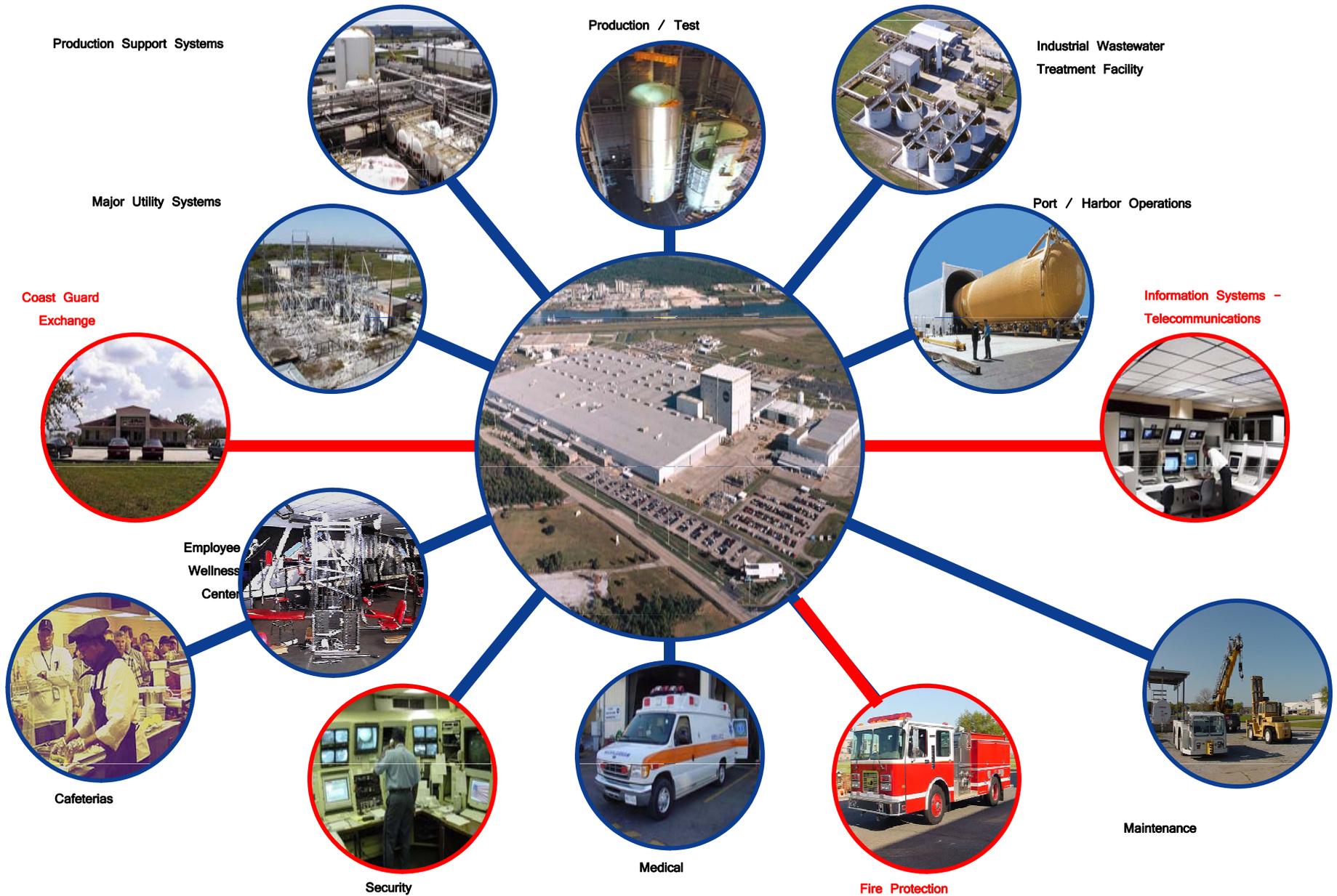
- All operating permits and infrastructure in place (8)
- Industrial Wastewater Treatment Facility (IWTF)
- Pollution prevention / recycling / Site Remediation
- Energy Cost Reduction Program



◆ Available Green Space

• 225 acres for new office, manufacturing, and test
Michoud is a National Asset with \$2.2B of capabilities

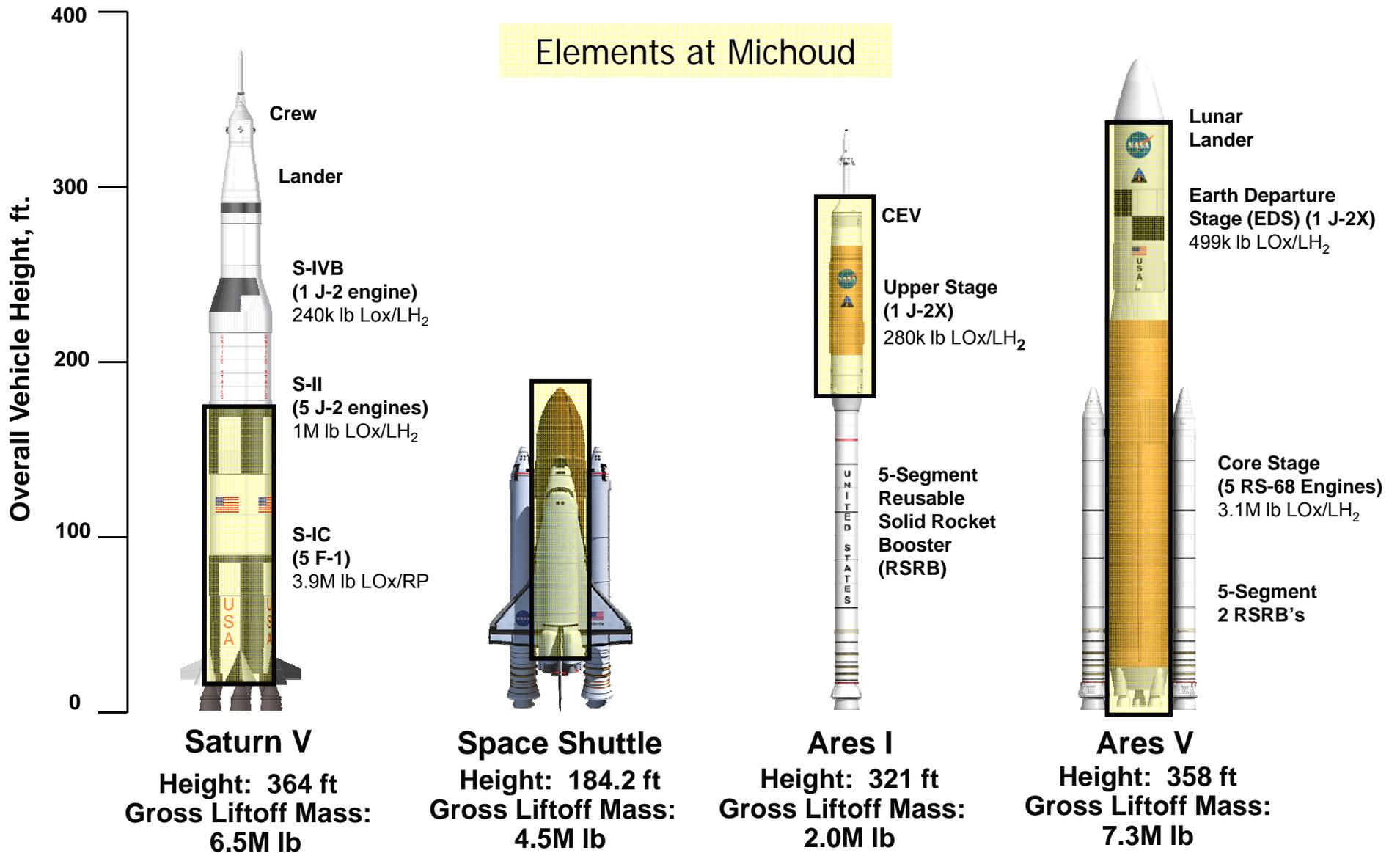
MAF's Full Complement of Services



MAF Projects - Yesterday, Today, and Tomorrow



Elements at Michoud



MAF - The Next Five Years



- ▶ Ensure delivery of External Tank Hardware
- ▶ Ensure Constellation Program start up & manufacturing support for various activities within Ares and Orion Projects
 - Implement integrated MSFC master plan and investments
 - ▶ Major retooling and retrofitting of factory
 - Manage Multi-product/Multi-customer base
 - ▶ “Five NASA products on the floor and base tenant growth”
- ▶ Partner with the State of LA for MAF growth
 - Move Michoud out of the 1960's, new NASA and State investment
- ▶ Continue support of Greater New Orleans recovery
 - Support Regional rebuild efforts, quality of life for employee base

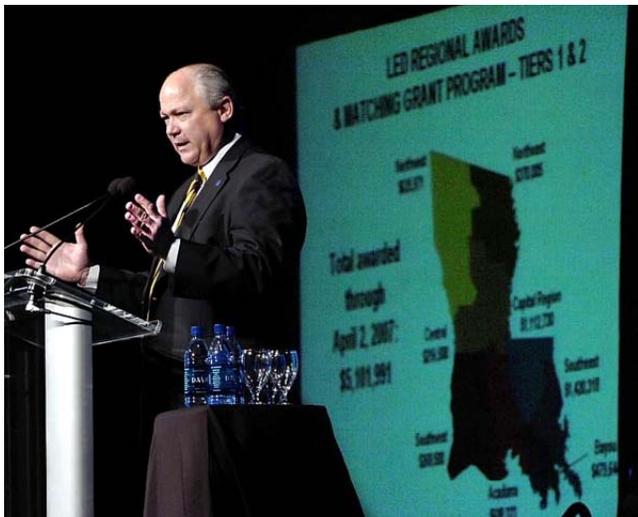
NASA/State of Louisiana Partnership



LA Governor Kathleen Blanco and MSFC Center Director Dave King

"We're working with NASA to transition the facility to take on new mission opportunities," Gov. Kathleen Blanco said at a news conference with NASA and state economic development officials.

The five-year memorandum of understanding signed by Blanco and Dave King, director of NASA's Marshall Space Flight Center based in Huntsville, Ala., says Louisiana and the space agency will work on new research and development initiatives at Michoud that could lead to new investment, new jobs and the attraction of new technology companies. *February 2007*



LA Secretary of Economic Development, Mr. Michael Olivier

"The \$102 million — spread out over six years — would fund enhancements to the National Center for Advanced Manufacturing and a proposed office and lab building at NASA's Michoud Assembly Facility in east New Orleans."

Michael Olivier, who heads the state's economic development department, described the investment as a bridge to keep Louisiana's 46-year manufacturing role in NASA missions secure for another two decades or more.

"This is NASA's only manufacturing plant in the United States, NASA's only manufacturing plant anywhere in the world," Olivier said on the final day of the 2007 Governor's Conference on Economic Development. "It's where the next generation to Mars begins. And so we're making a commitment to invest." *April 2007*



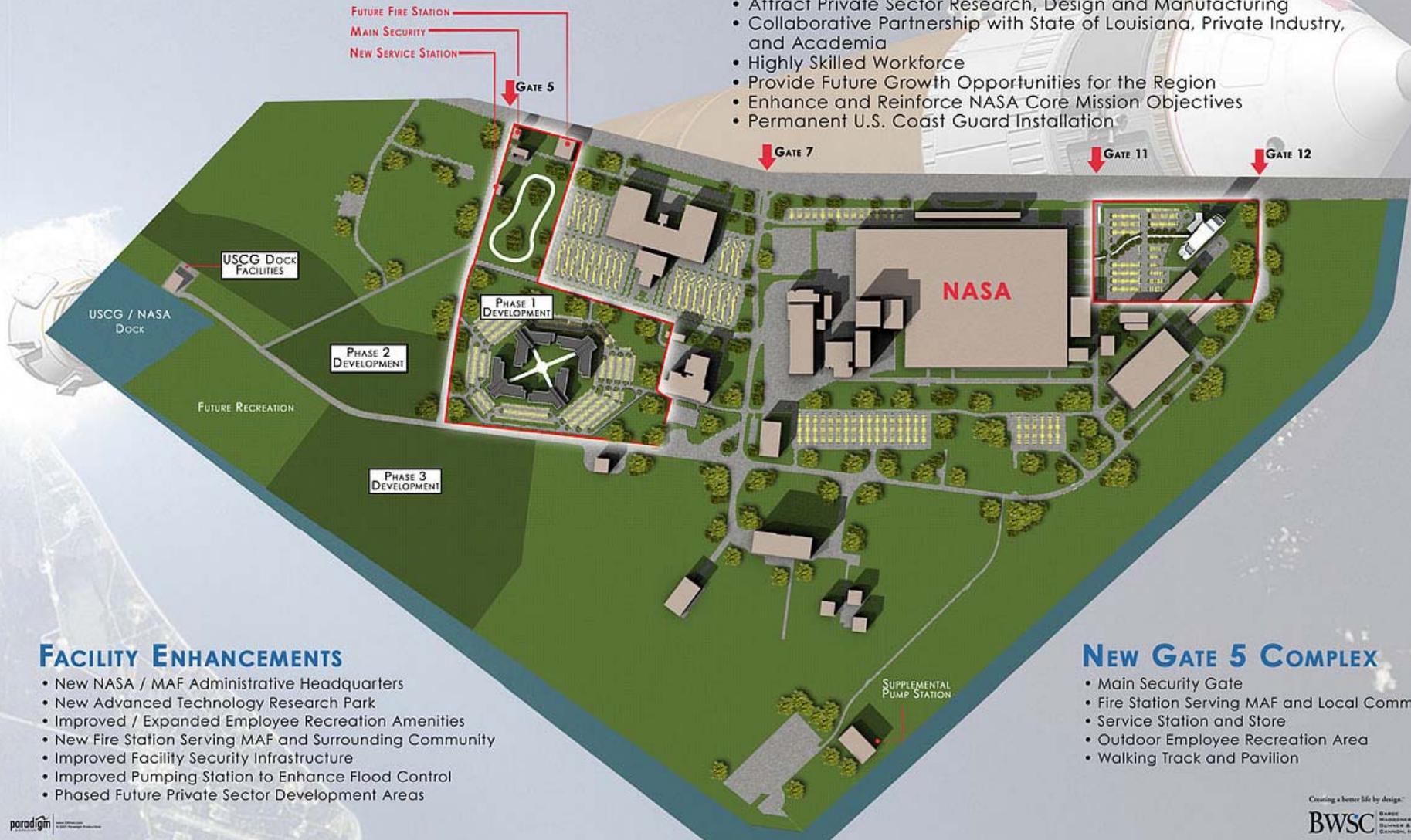
NASA

MICHOU D ASSEMBLY FACILITY



INVESTMENT IN THE FUTURE

- Advanced World-Class Manufacturing Facilities
- Attract Private Sector Research, Design and Manufacturing
- Collaborative Partnership with State of Louisiana, Private Industry, and Academia
- Highly Skilled Workforce
- Provide Future Growth Opportunities for the Region
- Enhance and Reinforce NASA Core Mission Objectives
- Permanent U.S. Coast Guard Installation



FACILITY ENHANCEMENTS

- New NASA / MAF Administrative Headquarters
- New Advanced Technology Research Park
- Improved / Expanded Employee Recreation Amenities
- New Fire Station Serving MAF and Surrounding Community
- Improved Facility Security Infrastructure
- Improved Pumping Station to Enhance Flood Control
- Phased Future Private Sector Development Areas

NEW GATE 5 COMPLEX

- Main Security Gate
- Fire Station Serving MAF and Local Community
- Service Station and Store
- Outdoor Employee Recreation Area
- Walking Track and Pavilion



NASA

MICHLOUD ASSEMBLY FACILITY



NEW ADVANCED TECHNOLOGY RESEARCH PARK

- Utilization of Underutilized Green Space
- 168,000 sq.ft. Total Floor Area
- Four 42,000 sq.ft., 3-Story Buildings
- Campus-type Setting
- Enhanced Use Lease Facilities to Attract Private Sector Companies
- Potential Location for both Industry and Academia





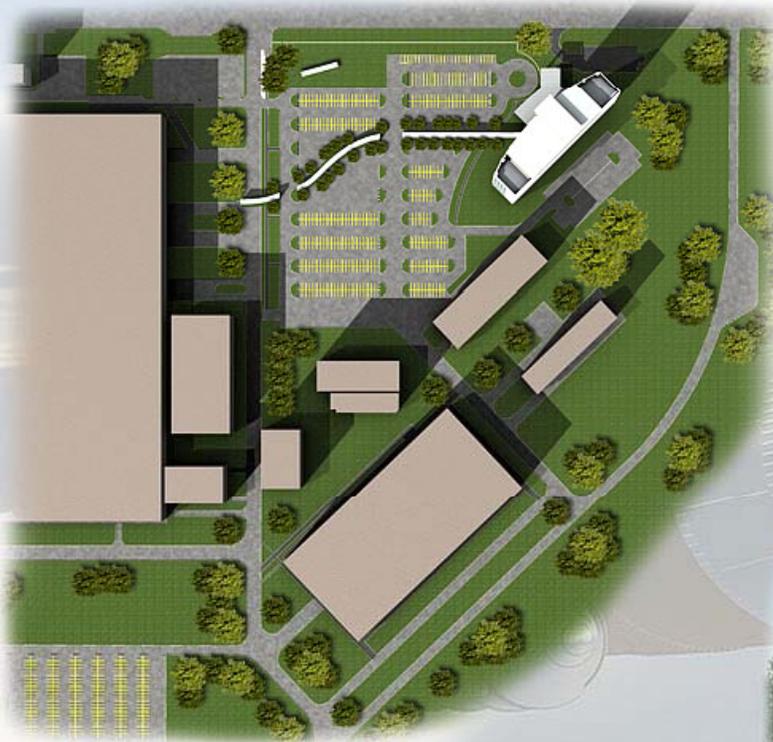
NASA

MICHOU D ASSEMBLY FACILITY



New ADMINISTRATIVE HEADQUARTERS

- 160,000 sq.ft., 5 stories
- Top-Level Conference and Training Center
- NASA Resident Offices
- NCAM Offices and Conference Areas
- New Space Flight Hardware Exterior Static Display
- Expanded Gate 11 Entrance Facilities





Randy Baggett

Source Evaluation Board Membership



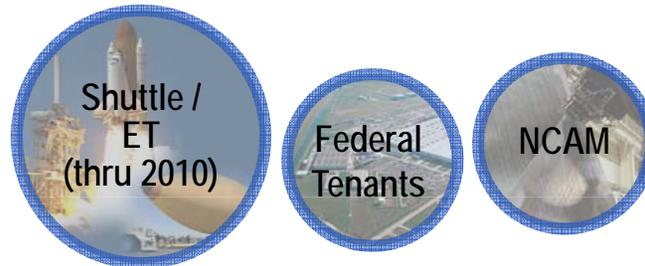
MSFOC Source Evaluation Board:

- Randy Baggett, Chairman
- Mark York
- Malcolm Wood
- Tommy Watts
- Richard Sheppard
- Sonya Hutchinson



MAF Transition Requirements

TODAY A SINGLE PROJECT FACILITY



- Shuttle Program Managed
- Totally Shuttle funded
- Single Prime Contractor
- Single program utilization
- Minimum Government input to strategic decisions
- Dedicated capabilities and usage
- Primary Focus: ET Production
- Sub optimization of plant space
- Green Space Undeveloped



MAF'S MISSION IS CHANGING

TOMORROW A MULTI-PROJECT FACILITY



- Strategic & Operational Decisions returned to NASA Civil Service
- Operations cost shared
- Multiple Prime Contractors
- Independent Operation
- Shared capabilities by multiple programs
- Focus on multiple programs
- Optimize plant space
- Revenue stream created – Green Space Development/EUL
- Collaborative partnership with State of Louisiana to expand NCAM and support to programs



MSFOC Goals

- **NASA has established goals for this procurement that include but not limited to:**
 - **Overarching Agency mandate that Government management and Contractor performance of this contract does Not Impact Production of ET's**
 - **Government seeks to manage an “Open Procurement” which emphasizes communication between Government and Industry**
 - **Government will structure a flexible Contract to accommodate the known/unknown requirements resulting from the MAF Transformation**
 - **Contractor will be held accountable for maintaining positive working relationships with all other NASA Projects and other MAF Tenants including establishment of a reputation as an “independent facility operator”**
 - **Contractors performance builds upon the historically excellent Safety record at MAF**
 - **Government seeks Industry recommendations for efficient site management practice and techniques with approaches for MAF implementation**
 - **Government management and contractor performance of a successful Contract Phase-In is considered essential to meet Agency objectives**

MSFOC Procurement Overview



Mark York



Current Approach

- **MAF site support and operations is ET Project responsibility**
 - Approach in place for last couple of decades
 - Due to ET being only NASA tenant at MAF
 - Facilitated total accountability of ET prime contractor to meet production rate necessary to support a 24 Shuttle flights per year manifest
- **ET Project Manager dual responsibility**
 - Majority of civil service resources support ET flight hardware contractor oversight
 - Contractor performs MAF operations activities that Civil Servants perform in similar situations
- **ET Project has two separate contracts, combination of which define requirements for MAF site support and operations**
 - Separate SOW in ET Prime contract
 - Companion Facilities contract
- **Both contracts expire on December 1, 2008**
- **ET Project currently pays 100% of MAF annual operating costs**
- **ET/MAF operations contractor provides support to other Government Agency tenants at MAF, independent of NASA**
- **ET Contractor makes use of MAF facilities and resources to provide support to other non-NASA related corporate programs**



MSFOC Procurement Approach

SUMMARY:

- Allow current contract to expire in 2008
- Competitive Acquisition for FY2009 thru FY2013
- Exclude NASA Project MAF tenants (prime & sub) from competition
- Maximize retention of ET MAF Operations labor force
- Manage contract thru MSFC/MAF organization
- Avoid ET Production disruptions thru incentives

RATIONALE:

- Provides NASA centric vs project centric focus
- Provides contract structured for management of multi-project activities
- Clearly defines decision making process – avoids conflict of interest
- Provides ability to optimize facility utilization
- Potential to emphasize cost saving activities
- Potential to simplify budget process
- Simplifies MAF management structure

BENEFITS:

- Initiates competitive acquisition early in new flight hardware projects development phase
- Provides long range security to ET facilities personnel earlier
- ET facility areas available for other utilization
- Transition period in MAF utilization

Relationship to other Contracts/Programs



◆ The successful offeror will be a service provider to NASA projects resident at MAF:

- NASA Shuttle External Tank prime contractor (Lockheed Martin)
- NASA Orion Project prime contractor (Lockheed Martin)
- NASA Ares I Upper Stage prime contractor (Boeing)
- Ares Instrument Unit prime contractor (Boeing)
- Future NASA Projects include Ares V

◆ The successful offeror will be a service provider to non-NASA tenants resident at MAF:

- U.S. Coast Guard
- Department of Agriculture
- DCMA/DCAA
- National Center for Advanced Manufacturing (NCAM)

◆ The successful offeror will be a customer of the following service providers at MAF:

- UNITeS (IT Services) prime contractor (SAIC)
- ODIN (IT Hardware) prime contractor (Lockheed Martin)
- MSFC Protective Services prime contractor (Coastal)
 - Will transfer to Agency Wide Security contract



Relationship to other Contracts/Programs

◆ The successful offeror will be required to enter into Associate Contractor Agreements (ACA) with other organizations resident at MAF:

- ACA's have been used successfully at other NASA centers
- ACA's are established for coordination and exchange of information with associate contractors
- The information to be exchanged shall be that required by the associate contractors in the execution of their respective contract requirements
- The MSFOC prime contractor's performance of the requirements of the ACA's will be evaluated as a part of the contract award fee process

◆ At a minimum the MSFOC prime contractor is envisioned to maintain ACA's with all NASA Projects prime contractor's in resident at MAF:

- ET
- Orion
- Ares I Upper Stage
- Ares Instrument Unit
- Ares V



Relationship to other Contract/Programs

- ◆ **The successful offeror will be assisting NASA in serving as an independent broker when allocating the use of MAF resources and resolving priority issues among all parties:**
 - MSFOC contractor will have access to other company proprietary production processes
 - Will need to protect such data from disclosure
 - MSFOC contractor must maintain positive relationships with all MAF tenants
 - Will need to avoid any actual or potential conflicts of interest with NASA project and other tenants
- ◆ **MSFOC will contain Limitations on Contracting language:**
 - NASA has previously utilized this approach in similar situations
 - Net effect is to preclude MSFOC contractor from performing and/or competing for NASA Flight Hardware and Flight Software contracts performed at MAF
 - Effect limited to duration of contract period of performance
 - Preclusion extends to its major subcontractors
 - Preclusion extends to its extended corporate organizations
- ◆ **Approach achieves goal of MSFOC contractor being viewed as an independent broker**
 - Avoids a NASA project prime contractor located at MAF from having performance responsibility under the MAF MSFOC and vice versa
 - Protects other company proprietary production processes



Restrictions on Contracting

MSFC is planning to include the following language in the MSFOC contract:

- a. The contractor or any of its major subcontractors agrees they shall not be a user/tenant of MAF at any time during the performance of MSFOC. This means that the contractor and its major subcontractor cannot be (1) a parent of, (2) a subsidiary of, (3) a partner in a joint venture with, (4) an owner of, (5) owned by, or (6) otherwise inappropriately affiliated with a user/tenant of MAF at any time during the performance of MSFOC.
- b. The contractor and its major subcontractors may have a contractual relationship with a user/tenant of MAF (.e.g., either entity may be the subcontractor of the other) provided that (1) the performance of the contract does not require any use of MAF resources, (2) the performance of the contract does not require a continuous presence (including a continuous presence on a temporary basis) at MAF, and (3) an acceptable OCI plan (e.g., a firewall) that is incorporated in this contract is implemented to protect SBU/proprietary information associated with MAF operations.



Period of Performance

- **Consistent with the NASA Far Supplement guidance, current planning is to utilize a five year period of performance.**
- **A 3-year base period of performance with two 1-year options is planned.**



Type of Contract

- **A Cost Plus Award Fee (CPAF) contract, with an Indefinite Delivery Indefinite Quantity (IDIQ) feature:**
 - The IDIQ feature addresses the need to provide tenant requested demand services in an efficient manner.
- **Contract period of performance**
 - Base Contract period October 2008 through September 2011
 - IDIQ Schedule period October 2008 through September 2011

 - Option A (Base and IDIQ) - period October 2011 through September 2012

 - Option B (Base and IDIQ – period October 2012 through September 2013
- **Draft CLIN Structure**
 - Base Contract Period (CPAF) Oct 2008 – Sep 2011
 - IDIQ Schedule Period Oct 2008 – Sep 2011
 - Option A – Base Contract Period Oct 2011 – Sep 2012
 - Option A – IDIQ Schedule Period Oct 2011 - 2012
 - Option B – Base Contract Period Oct 2012 – Sep 2013
 - Option B – IDIQ Contract Period Oct 2012 – Sep 2013

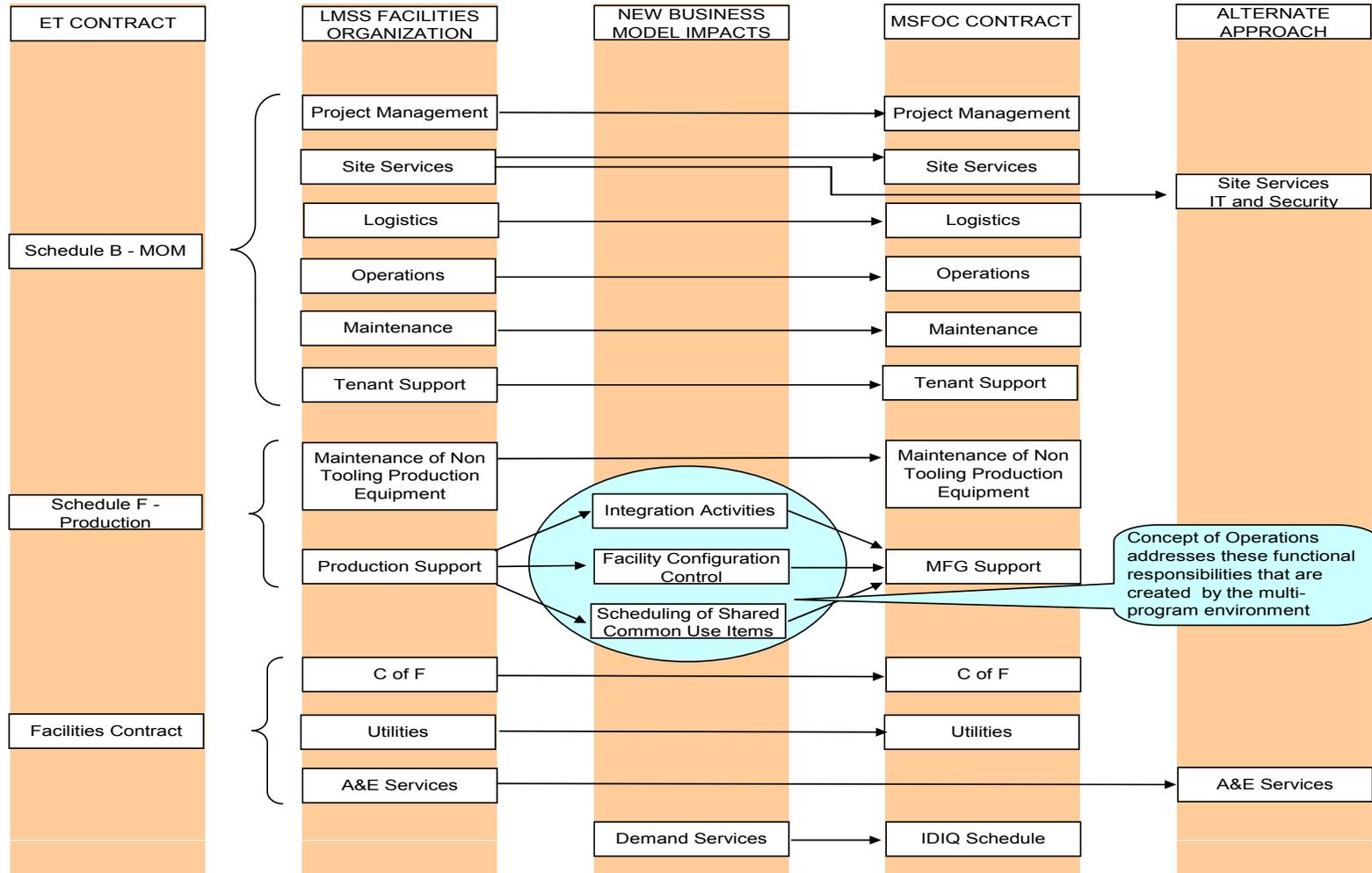


Small Business Subcontracting Goals

<u>CATEGORIES</u>	<u>*% GOALS</u>
Small Businesses	30.3%
Small Disadvantaged Businesses	8.2%
Women-Owned Small Businesses	6.8%
Historically Under-Utilized Business Zone Small Businesses	4.3%
Veteran-Owned Small Businesses	2.8%
Service-Disabled Veteran-Owned Small Businesses	2.8%
Historically Black Colleges & Universities/Minority Institutions	.6%

- Percentage goals to be applied to proposal value.

MSFOC Scope Requirements





MSFOC Work Breakdown Structure

The planned MSFOC Work Breakdown Structure is:

Schedule A – Statement of Work

- 1.0 Program Management**
- 2.0 Safety, Health and Emergency Management**
- 3.0 Manufacturing Support Services**
- 4.0 Maintenance**
- 5.0 Site Services**
- 6.0 Operations**
- 7.0 Logistic Services**
- 8.0 Property Management**
- 9.0 Construction Management**
- 10.0 Tenant Services**
- 11.0 Sustaining Engineering**
- 12.0 Environmental**
- 13.0 IDIQ**

Schedule B – Statement of Work

- 1.0 Contractor Acquired Property**
- 2.0 Rehabilitation of Contractor Acquired Property**
- 3.0 Payment of Utilities**
- 4.0 Environmental Compliance and Restoration**
- 5.0 Construction of Facilities**
- 6.0 Preliminary Engineering Report**
- 7.0 Facility Support Studies**
- 8.0 IDIQ Task Table**

**PRELIMINARY
SUBJECT TO REVISION**



MSFOC Contract Phase-In Overview

- **Phase-In requirements include, but are not limited to:**
 - **Management Plan which addresses:**
 - **Approach to preclude impacts to ET Project production**
 - **Approach to transition a workforce who is not accustomed to periodic “badge swaps”**
 - **Approach to retention of workforce critical skills**
 - **Management Team with proven experience and success in previous Contract Phase-In efforts**
 - **Qualified workforce ready to assume contract performance**
 - **Data deliverables that will be due during the phase-in period**
 - **To include the initiation of Associate Contractor Agreements**
- **Phase-In is planned to be no longer than 60 calendar days**
- **Offeror's proposals will include a pre-priced IDIQ Task Order for the Contract Phase-In period**

MSFOC Procurement Milestones



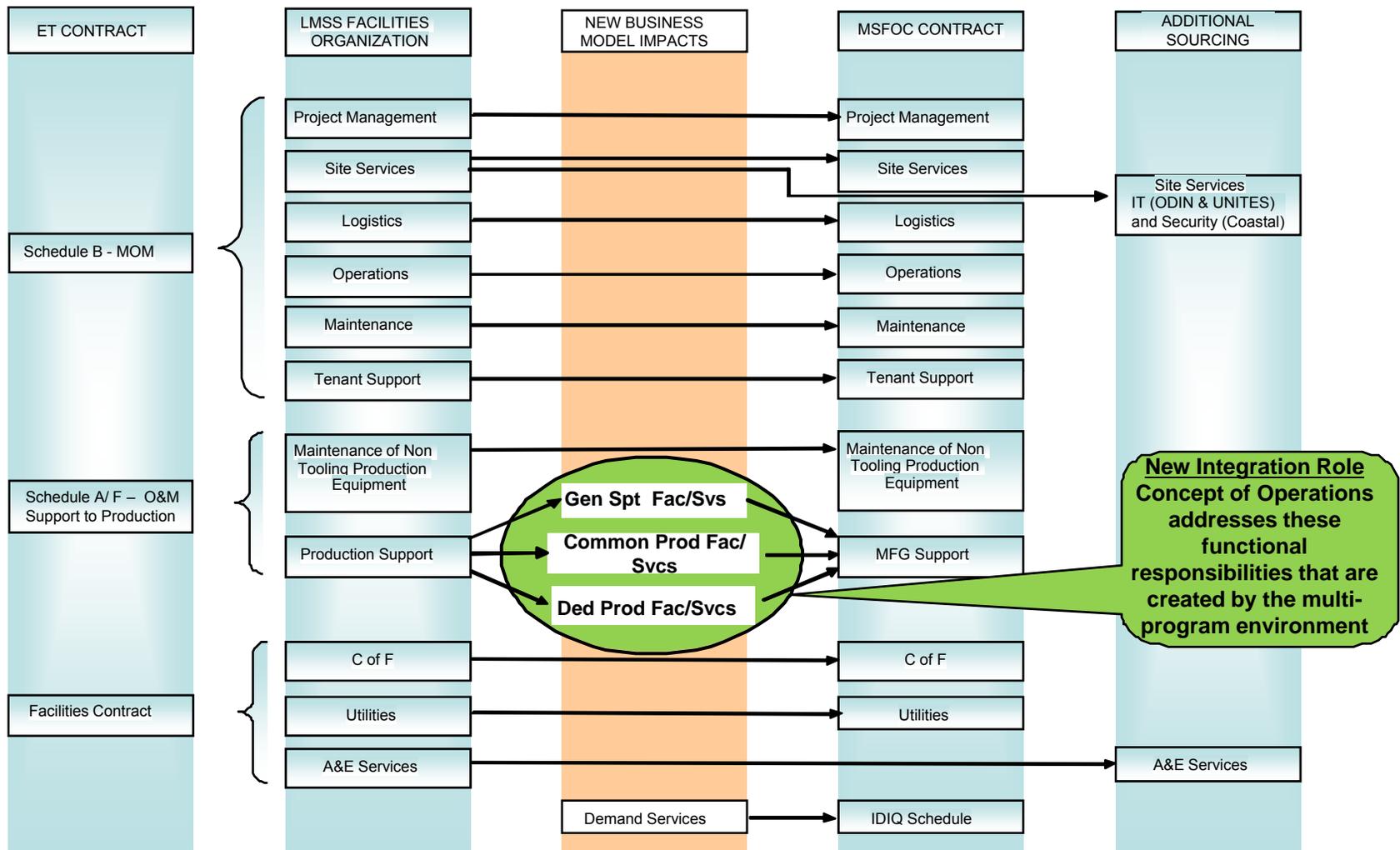
Draft RFP	02/2008
Pre-solicitation Conference	03/2008
Final RFP	03/2008
Proposals Due	05/2008
Selection	NLT 10/01/2008
Contract Phase-In	NLT 10/01/2008



John Brunson



Scope of MAF ConOps

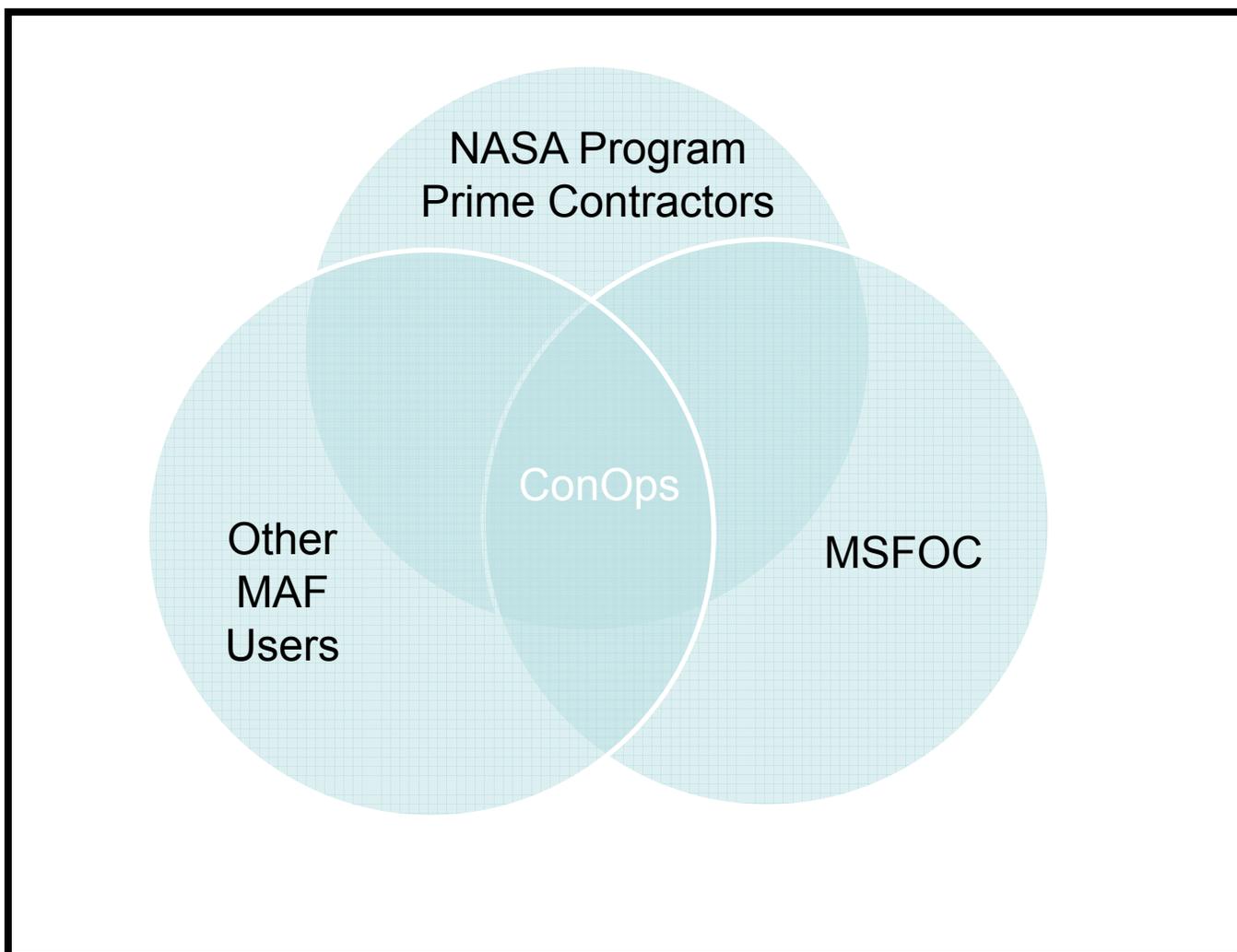


Concept of Operations addresses new business model impacts and functional responsibilities created by the multi-program environment



MAF Concept of Operations

MAF Production





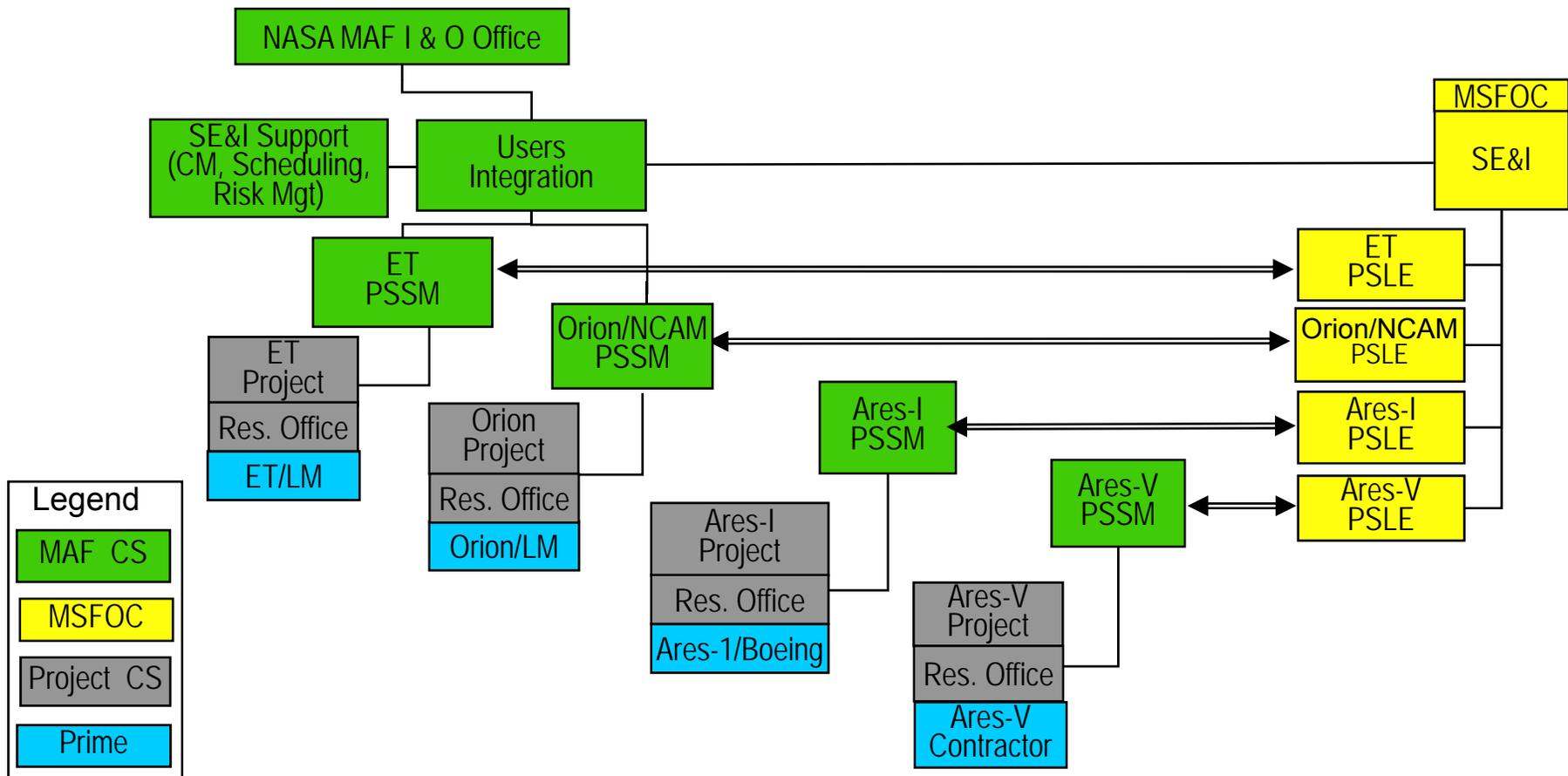
ConOps Assumptions

- Last production tank, ET 138 - team used this to evaluate schedule impacts – ET 139 impacts currently under evaluation
- Look at long-term operational approach: Focus was on Integrated Production Operations
 - Factor in NASA's best interest (Minimizing Risk/Cost)
 - Shared service operational recommendations will be based on the lowest cost to the government and minimum impact to all users
 - End-States: Post October 2008; Post 2010
- External Tank production operational changes shall be avoided
- Priority use of the facility occurs in the following order (Highest to lowest): ET Projects, CxP elements, other NASA Projects, Other Non-NASA Government activities, Industry/Academia
- Facility O&M will be assumed by the new MSFOC



ConOps Integrated Production Operations

- Assumes in most cases each Production User has dedicated PSSM and PSLE support
- Also assumes MAF SE&I is matrixed support from MSFC “as needed”



ConOps

Integrated Production Operations

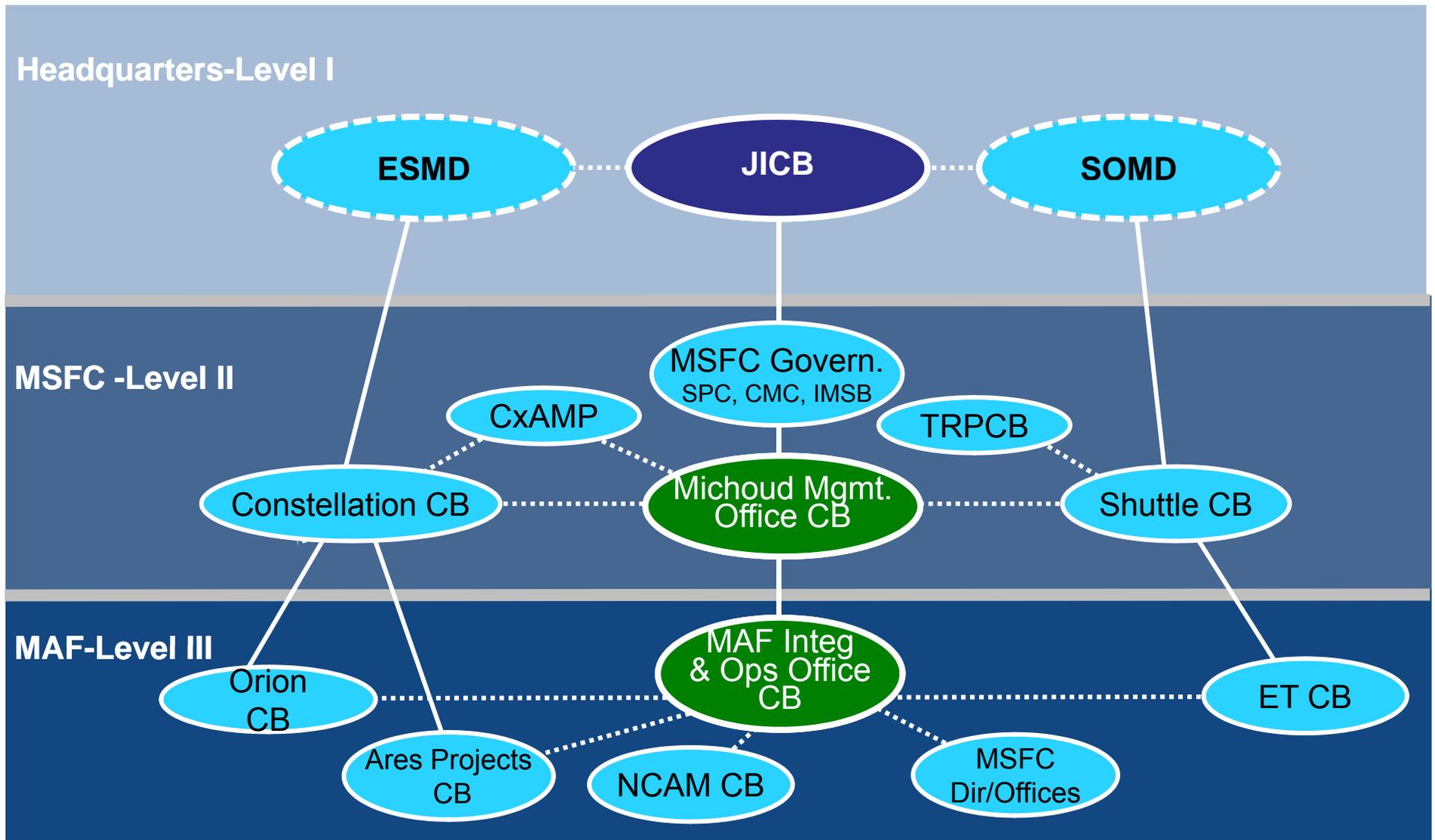


Roles & Responsibilities:

- **Project Offices** will be responsible for providing requirements for common use production support, schedule inputs, support to the MAF Control Board, and CoF funding
- **Project Prime Contractors** will be responsible for interfacing with the Project Office and the MAF Integration and Operations Office for implementation of project requirements, schedule data, and support to the MAF Control Board
- **MAF Integration and Operations Office** will be responsible for overall MAF production integration, advocating user requirements, facilitating flight hardware delivery
- **Production Support Systems Manager (PSSM's)** is a NASA Civil Servant function and responsibilities include coordination with MAF Users and other MAF personnel to achieve requirements development, management, and implementation
- **Production Support Lead Engineer (PSLE's)** is a MSFOC Contractor function and responsibilities include assisting the PSSM in coordination with MAF Users and other MAF personnel to achieve requirements development, management, and implementation



Governance



Integration & Operation issues will be resolved at the lowest possible level



ConOps Focus Areas

- During the team's study, issues related to transitioning production operations to a multi-User production facility, using a user-independent MSFOC were drawn out. They fell into four general focus areas:
 - ✓ ■ Integrated Production Operations
 - General support facilities/services
 - ✓ ■ Common production facilities/services
 - Dedicated production facilities/services

ConOps

General Support Facilities/Services



Production & Environmental Systems

- Environmental Compliance Program
- Environmental Remediation Program
- Sanitary Sewerage System
- Chemical Waste System
- Industrial Wastewater Treatment Facility
- Plant Air system
- Chilled Water System
- Process Water system
- GN2 System
- De-mineralized Water System
- Foreign Object Debris Control Program

Utility Systems

- Fuel Oil Transfer System
- Steam Distribution System
- Natural Gas System
- Potable Water System
- Storm Drainage System

Industrial Safety

- Pump Stations and Houses
- Fire Water System
- Occupational Health

Maintenance, certification, and operations of all building/facility infrastructure/equip/systems including production support systems:

- MAF General Support Facilities/Services
- Roads and Grounds
- Operations and Maintenance
- Shipping/Receiving/Transportation
- Security - Perimeter and Personal Security
- IT/Comm. – IT Backbone, Network Access
- Emergency Preparedness Management
- Quality
- Personnel Training/Certification Program
- Equipment/System Certification
- Custodial Services



ConOps

Common Production Facilities/Services

Multiple Users are required to share common “production” facilities, services, and equipment. “While in use by ET/LM, they will continue to have priority access and provide for operations (Operators, Safety Quality, Policy, and Procedures) while they process ET hardware”

- MAF Manufacturing Support Capabilities
- Operations and Maintenance
- Management, Operation and Maintenance of MAF Manufacturing Support Capabilities:
 - ✓ Labs
 - ✓ Chemical Clean facility (component cleaning, and precision cleaning)
 - ✓ Component Painting
 - ✓ Machine Shop
 - ✓ Vertical Assembly Building
 - ✓ Buildings 114, 131, 113, 175, and 190
 - ✓ NCAM
 - ✓ Systems Engineering Buildings (131 and 318)
 - ✓ Building 303
 - ✓ LH2 Pneumatic Test Facility

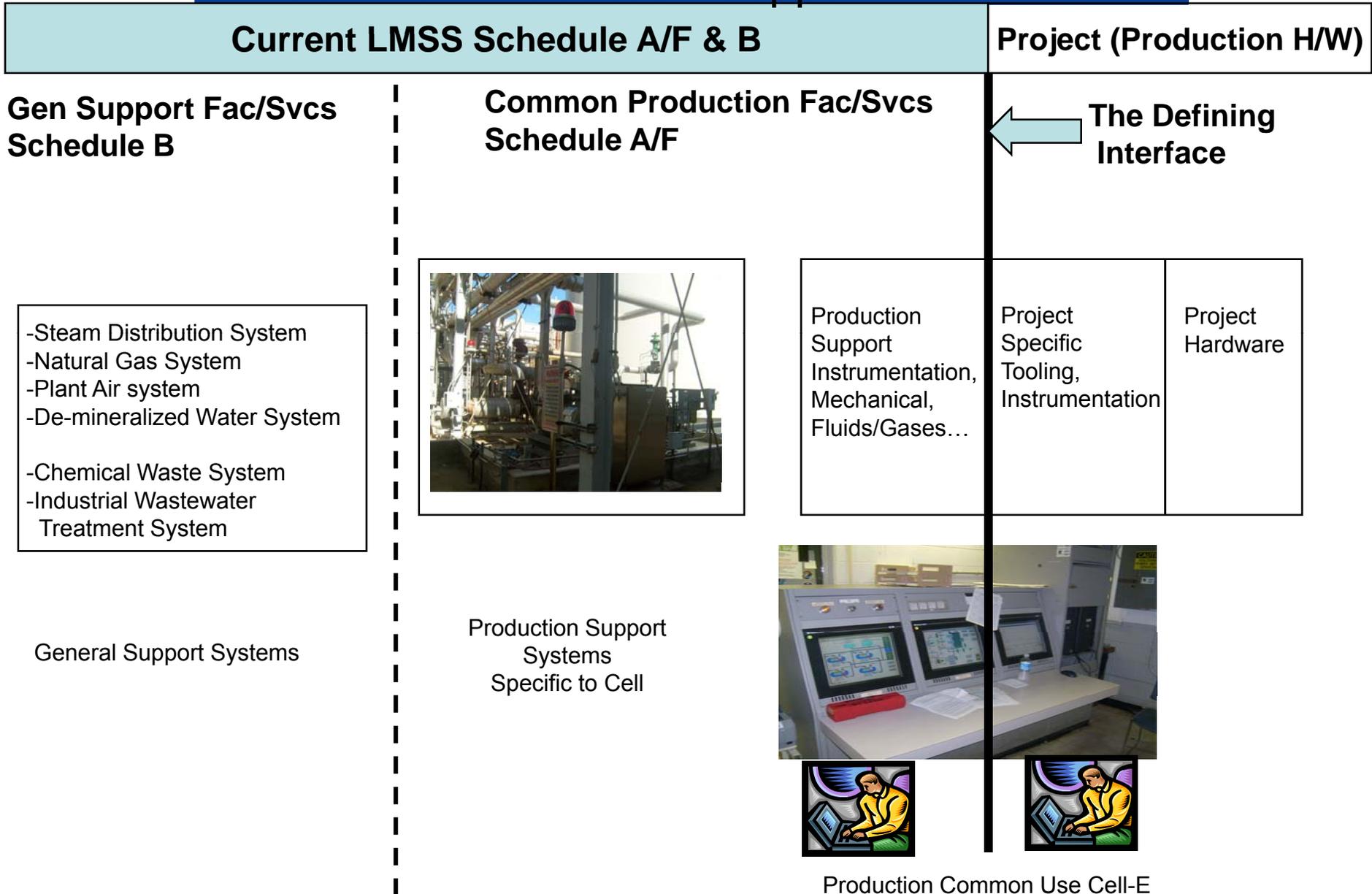


MAF ConOps Spreadsheet tool identifies MAF Facilities/Capabilities (200+ line items) reflect agreements for Manage, Operate, and Maintain in three time frames

ConOps



Common Production Support Interfaces



ConOps

Dedicated Production Facilities/Services



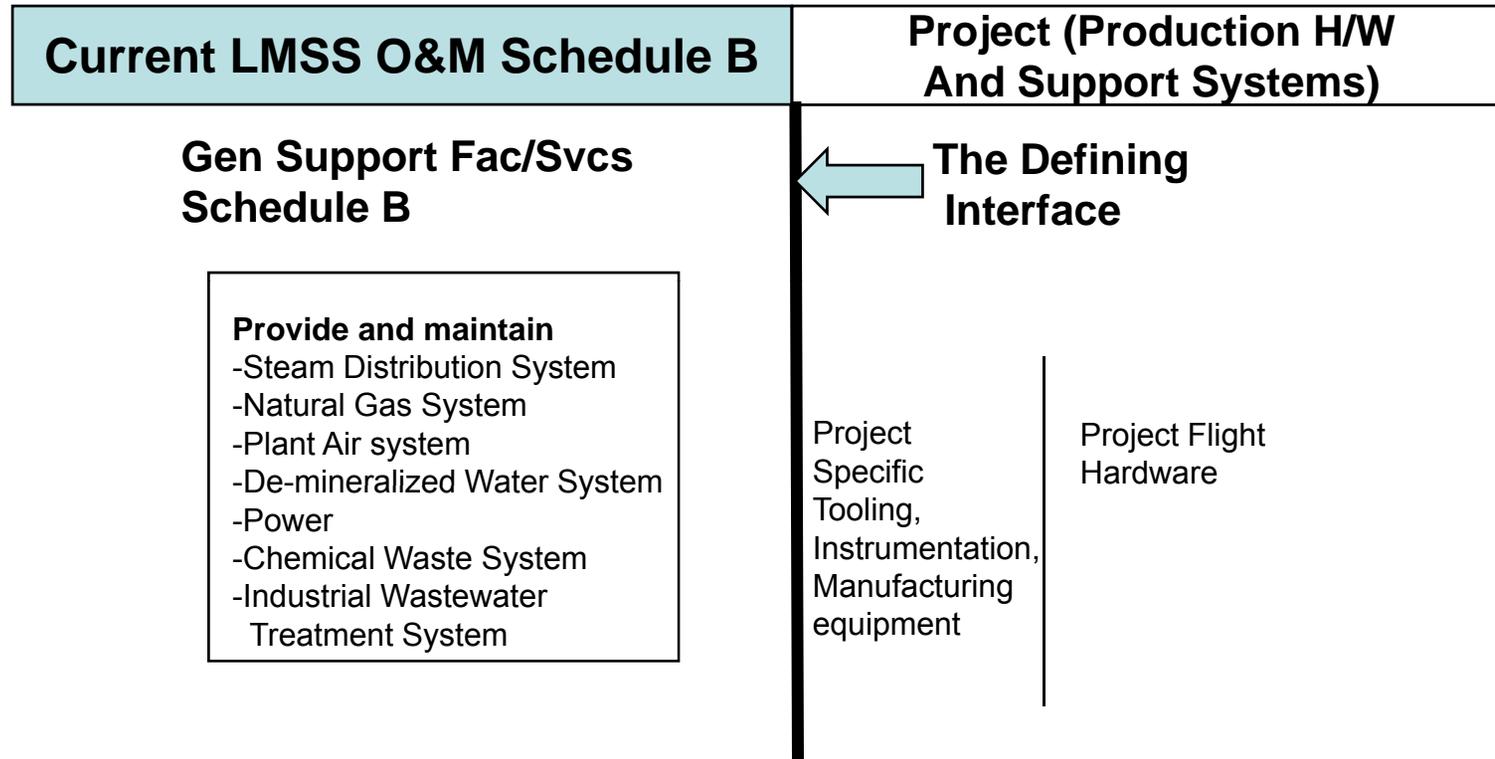
- Dedicated Production Facilities and Services are reserved and set aside to house and support production operations of a single user
 - o These areas are to be contiguous, if possible
 - o Capable of supporting efficient internal processes
 - o Support separation and security between users
 - o Have adequate access to shared areas

- Projects supported by prime contractors are responsible for managing, operating, and maintaining their equipment, tooling and other operations that occur within their dedicated area(s)

- MSFOC will provide
 - o Standard facilities services and maintenance services
 - o Construction and alteration services consistent with approved CoF programs

ConOps

Dedicated Production Support Interfaces



Facility Critical Process Area & Operations



Who Manages/Operates/Maintains Cells A-F,
Mix Room, Buildings 130, 131, 318?



Facilities Spreadsheet Data

ET/LM			MSFOC		
<p>Manage x - manage cell for flt h/w until ET last use</p>	<p>Operate x - operate cell for flt h/w until last use</p>	<p>Maintain x - maintain production critical systems. This includes critical system control mechanics items.</p>	<p>Manage x - manage cell for multi-program environment. Includes scheduling and configuration control. Prior to turnover, - MSFOC will coordinate with ET to obtain engineering design, procedures and any updates for the cell. MSFOC will integrate future users requirements (software and hardware) to ensure cell will accommodate new users when ET is complete. - MSFOC will implement modifications to cell when ET is finished. MSFOC will coordinate integrated usage of cell after ET is complete. New users will be accommodated on non-interference basis (not affecting ET's CP) to enable planning/design. MSFOC will ensure critical skills are maintained during transition from ET to multi-user environment</p>	<p>Operate N/A - for ET Post ET MSFOC Provides Operators as an optional Service – IDIQ</p>	<p>Maintain x - Begins post award. This includes skilled craft mechanics</p>
<p>Transition to MSFOC</p> <p>Most of this transfers to MSFOC around the Late 2009 - Mid 2010 timeframe. Minimal schedule impacts With ET-138, impacts increase with ET139+ (Con Ops team trying to obtain 139+ schedule to evaluate overall impacts)</p>					



Facility Joint use areas - Laboratories

Who Manages/Operates/Maintains Chemistry, Metallurgical, Structural Test, TPS, Weld?

- 85-95% of work is ET specific, 5-15% MAF infrastructure
- Labs: Chemistry, Metallurgical, Structural Test, TPS, Weld
- Some work generic – (e.g. some receiving inspection activities, IWTF/clean line solution analysis)
- Much work is high priority, process specific (F/A, mat'l "fingerprinting", TPS NDE, ET weld schedules)
- LM engineer/tech discipline experts; highly experienced in ET legacy matl/process knowledge
- Discrepant ET hardware analysis/flight rationale by MSFOC labs, ET Project/LM retain liability

Transition to MSFOC

12/1/2008 to MSFOC. The users can provide personnel to operate the equipment.

Facilities Spreadsheet Data

ET/LM			MSFOC		
Manage x - manage ET related day -to - day by ET/LM	Operate x - provide operators and analyst until ET last use	Maintain N/A	Manage x - begins post award (overall management...with ET non-interference)	Operate x - provide Operators and Analyst for future Users, IDIQ	Maintain x - Begins post award. (12/1/08)



Facility Joint Use Equipment - Transportation & Handling



Who Manages/Operates/Maintains Joint Use?

- ◆ MSFOC has overall crane mgmt/maintenance not an issue
- General moves, small component moves the responsibility of contractor not an issue
- Crane crew rapid response, off-shift coverage, “critical systems” support commitment are concerns
- High value/high schedule risk hdwr moves (straddle carriers, Cell A cranes, transporters) are major concern
- Move crews require extensive training and experience, detailed process/tooling knowledge
- ET deliveries/Shuttle manifest absolutely intolerant of major mishap

Transition to MSFOC
12/1/2008 maintenance

Facilities Spreadsheet Data

ET/LM			MSFOC		
Manage x - manage cranes For flt h/w until ET last use	Operate x - operate cranes for ET flt h/w .	Maintain N/A	Manage x - Each remaining crane shall revert to MSFOC management at last ET use. Common use cranes shall be managed by MSFOC. Management of dedicated user cranes shall be transferred to the user.	Operate x - Operates cranes in shared areas and at user's request an operator will be provided for non-flt H/W or flt H/W moves in other areas, IDIQ	Maintain x - Begins post award.

Primary Integration & Operation Issues



Facility

- ◆ Critical process area & operations
- ◆ Joint use areas - Laboratories
- ◆ Joint use equipment - Transportation & Handling

Management

- ◆ Formalized Organization and Governance Structure
- ◆ Flexibility/Scale-ability (ability to adjust to User requirement increase/decrease)
 - IDIQ
- ◆ Facility and Management operating procedures

MSFOC Frequently Asked Questions



Mark York

MSFOC Frequently Asked Questions



- **When does the black-out period begin?**

Just prior to release of the Final RFP currently planned for March, 2008.

- **Are there restrictions on talking with NASA personnel?**

Not until release of the black-out letter. Industry is encouraged to communicate with Government personnel relative to this requirement. However, please understand that access is dependent upon availability.

- **Is there a Government Furnished Property List?**

A Government Furnished Property List will be included in the Final RFP.

- **Is there a Government Furnished Services List?**

A Government Furnished Services List will be included in the Final RFP.

- **Is there going to be a MSFOC Procurement Technical Library?**

Information typically associated with a Procurement Technical Library is being assembled to assist Industry in preparation of proposals. The exact format of the media exchange has yet to be determined.

- **Is the current ET contract MAF O&M Statement of Work available?**

Not at this time. This procurement is considered to be a new requirement. The Government does not believe the previous Statement of Work would benefit Industry in obtaining an understanding of the MSFOC requirements.

MSFOC Frequently Asked Questions



- **Which Unions are involved in performance of the contract?**

The MSFC Labor Relations Specialist will address this issue during the Pre-Solicitation Conference.

- **Is the Union Collective Bargaining Agreement available?**

The MSFC Labor Relations Specialist will address this issue during the Pre-Solicitation Conference.

- **Is the MSFOC Budget approved and available?**

Funding is available to support the MSFOC procurement.

- **What is the split of personnel between manufacturing support and site operations?**

The Government is looking to each offeror to utilize its experience and capability to propose a staffing plan. The Final RFP will contain supporting data necessary to be to assess the workload requirements.

- **What does the current contractor subcontract?**

The Government views this procurement as a new requirement and does not believe historical data to be as relative to this procurement as it would be in a re-competition.

- **Will there be another opportunity to tour MAF?**

Yes. MAF Tours are planned as an activity to support the Pre-Solicitation Conference.

MSFOC Frequently Asked Questions



- **Can we get a copy of the current ET Facility Contract?**

Not at this time. This procurement is considered to be a new requirement. The Government does not believe the previous Statement of Work would benefit Industry in obtaining an understanding of the MSFOC requirements.

- **When will the draft Statement of Work be released?**

Prior to release of the Draft RFP, probably around the end of January, 2008 or first of February, 2008

- **Will the MSFOC be responsible for any Information Technology related items?**

Yes. The Government intends to provide certain aspects of IT, but MSFOC will have responsibilities as well. These will be clearly defined in the Draft RFP.

- **What Shipping and Receiving functions will the MSFOC be responsible for?**

The Shipping and Receiving functions will be defined in the MSFOC Statement of Work.

- **Who is responsible for environmental liabilities?**

This question will be addressed at a future opportunity.

- **What are the “lines of demarcation” between the NASA Projects and the MSFOC?**

The “lines of demarcation” will be addressed in multiple ways. The MAF Concept of Operations, the Associate Contractor Agreements, and other Contract requirements collectively will define the roles and responsibilities of the respective parties.

Reminder



- Additional questions may be submitted via electronic mail to the Contracting Officer at mark.a.york@nasa.gov no later than 12:00 noon local time, January 17, 2008
- Questions/Answers, Industry Day Briefing charts and Interested Parties List will be posted on the NASA Acquisition Internet Service website
- Buses are waiting at the front entrance for return to the Alabama Space and Rocket Center, we will load and depart immediately

