Virtual Subcontractor Forum

April 30, 2020
Agenda

• Forum Logistics – Julianna Barbee
• Small Business Update – Chris Fresquez
• Scorpius Project Opportunities – Dave Funk
• Glovebox Opportunities – Randy Martin
• MATOC Update – Susan Stein
• Quality Assurance - Lena Isaacs
• COVID 19 – What is LANL Doing – Kathye Segala
• New Mexico SBDC COVID-19 Business Resources – Julianna Barbee
• PTAC Program Overview – Therese Rivera
• Closing
Small Business Update

Presenter:
Chris Fresquez, Supplier Management Group Leader
Updates

- LANL Small Business Stats
- eSRS Action Items
- System for Award Management (SAM) Unique Entity Identifier
- Women Owned Small Business (WOSB) Certification
- Outreach Events
- Business Opportunities
- Ariba Process
- Teaming with SBDC and PTAC organizations
- Local Opportunity
## Small Business Statistics

<table>
<thead>
<tr>
<th>SB Category</th>
<th>FY 20 Goal</th>
<th>FY 20 (through March 2020)</th>
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<td>Small Business</td>
<td>61.70%</td>
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<td>Small Disadvantaged Business</td>
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<td>Service Disabled Veteran Owned Small Business</td>
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Electronic Subcontract Reporting System

Please use Internet Explorer 6.0+, Mozilla Firefox 2.0+, or Apple Safari 30+ to access FSRS.
eSRS - Action Items & Deadlines

Primarily for subcontracts exceeding $700K, or $1.5M construction

• If Subcontracting Plan is in effect, then...
  ➢ eSRS ISR - Data entries due for period ending March 30 have been (extended to June 30, 2020)
  ➢ Reporting is for the 6 month period (October 1, 2019 through March 31, 2020) **NOT through June 30, 2020**
  ➢ Due into eSRS system by April **June 30, 2020**

If you require assistance, please contact the LANL Small Business Program at business@lanl.gov
SAM Update – Unique Entity Identifier

- The U.S. Government is moving to a new Government-owned Unique Entity Identifier (UEI) which will ultimately become the primary key to identify entities throughout SAM, other IAE systems, and downstream Government systems.

- The DUNS® number will be phased out as the primary key to identify every entity record within SAM.
SAM Update – Unique Entity Identifier

- **Transition Defined (July 2019):**
  - The D-U-N-S ® number is the official identifier for doing business with the government.
  - Entities continue to register in SAM.gov using D-U-N-S ® number assigned by Dun & Bradstreet (D&B).
  - Entity uniqueness continues to be validated by D&B as part of the D-U-N-S ® number assignment process.
  - GSA conducted unique entity ID usability testing with industry and federal assistance community
  - GSA publishes the technical standard for the new SAM-generated unique Entity ID in the Federal Register.
SAM Update – Unique Entity Identifier

- Transition Begins (July 2019 - December 2020):
  - The D-U-N-S ® number remains the official identifier for doing business with the U.S. Government.
  - Entities continue to register in SAM using the D-U-N-S ® number assigned by Dun & Bradstreet (D&B).
  - Entity uniqueness continues to be validated by D&B as part of D-U-N-S ® number assignment process.
  - GSA publishes technical specs, which include the new SAM-generated unique Entity ID, for interfacing systems.
  - GSA develops tools needed to generate unique Entity IDs in SAM.gov.
  - GSA begins to assign, and make visible, new SAM-generated unique Entity IDs for all SAM.gov registration records.
  - GSA develops interface to new entity validation service provider to determine entity uniqueness.
  - GSA supports robust testing of new interfaces with agency systems.
  - GSA communicates upcoming changes to stakeholders, sharing more detail as available.
  - Starting in December 2020, the D-U-N-S® number will no longer be the official identifier for doing business with the U.S. Government.
SAM Update – Unique Entity Identifier

• Starting in December 2020:
  – Entities will go to a single place, SAM.gov, to request their Entity ID and register their entity to do business with the U.S. Government.

  – Entities will go to a single place, SAM.gov, to make any updates to their legal business name and physical address associated with the Entity ID.

  – Entities will have a single customer support helpdesk for all Entity ID and SAM entity registration issues.
The SAM Managed Unique Entity Identifier will map to existing codes such as CAGE, TIN/EIN, and previously-assigned DUNS® number.

During the transition to the new Entity Validation Services (EVS) provider, the Government will receive continued service from Dun & Bradstreet to maintain award reporting, and the DUNS® number will continue to be issued alongside the SAM Managed Unique Entity Identifier.

Agencies cannot overwrite the DUNS® number field with the SAM Managed Unique Entity Identifier. For historical purposes, DUNS® number will continue to be available for awards made prior to the transition to the SAM Managed Unique Entity Identifier.
Woman Owned Small Business Certification
Woman Owned Small Business Certification

• In summer 2020, the certification process for Women-Owned Small Businesses (WOSBs) and Economically Disadvantaged WOSBs (EDWOSBs) will change as put forth by Congress in the 2015 National Defense Authorization Act (NDAA).

• The SBA expects that the regulations enacting the statutory requirement will be published on June 30, 2020, and will be effective 30 days later.

• Once the changes go into effect:
  – You will no longer be able to self-certify as a WOSB or EDWOSB.

• You will have to either certify through an approved third-party entity or go through SBA’s FREE online certification at certify.sba.gov.
Woman Owned Small Business Certification

Third-party certification:

• There are four organizations approved by the SBA to provide third-party certification.
• Contact them to find out about their certification process.
• They are:
  – El Paso Hispanic Chamber of Commerce
  – National Women Business Owners Corporation
  – US Women’s Chamber of Commerce
  – Women’s Business Enterprise National Council
Woman Owned Small Business Certification

• You’ll need to provide proof of your third-party certification through certify.SBA.gov.

• The SBA also accepts a current, valid 8(a) certification.

• You must provide your 8(a) certification and annual review letters through certify.SBA.gov.

• Until all is set with SBA certification, you can still self certify.
Upcoming Outreach Events

• DOE 2020 – August 17-19
  – Albuquerque Convention Center

• LANL Supplier Forum 2020 - August 20,
  – Buffalo Thunder Resort
ETEBA - NM

ETEBA
2020 NEW MEXICO FEDERAL BUSINESS OPPORTUNITIES FORUM

This event has been indefinitely postponed
Watch the ETEBA website and the Weekly Update for periodic updates

Click Here for COVID-19 Updates from the NM DOH
Current and Upcoming Business Opportunities

Visit us at “www.lanl.gov”

- Gloveboxes – Randy Martin
- SCORPIUS project - David Funk
- Staff Augmentation Project – Ed Ybarra
- Train Door restoration - Chris Martinez
- Secondary Fire Pump Project – Cheyenne Maestas
- PPE – Hand Sanitizer, Face Masks, Alcohol, gloves, etc… Business@lanl.gov
Request for Interest

Posting Date: 12/17/2019  
Posting Close Date: TBD

Estimated Period of Performance: TBD  
Competition Type: TBD

Contact Email: chrisam@lanl.gov, business@lanl.gov

Title: Restore Functionality to Train Doors

Description of Product or Service Required

We are looking to locate a vendor to perform work involved to restore functionality to some hydraulic powered shielding doors. This work will be performed in a Radiological Buffer Area and a High Contamination area. We have the design done and parts specified.

Description:

We are an older facility and produce isotopes for medical, industrial and R&D applications. We have 13 hotcells arranged in a “U” shape. There is a shielding door on each end of the “U”. These doors were previously operated with hydraulic cylinders from the house hydraulics which have since been removed long ago. The doors are currently being propped up and not operational. There is an existing cylinder and limit switches on each door which would be replaced with new. Each door would have its own reservoir and pump. The new hydraulics would be connected to the existing hard lines then to the cylinders. All of this would be controlled with existing control panels at the rolls on each end of the “U”, doors 1 and 12.

In general, there will need to be hydraulic cylinders, reservoirs w/pumps, and limit switches installed. Programming would then be added to control the doors. We will also need to have a couple of 120v circuits installed (install conduit pull wires) where the external pumps will be.

- Current formal bid opportunities are subject to change or cancellation due to scope, mission, or funding requirements.
- Some procurement requirements are reserved for small businesses. Note the competitive type on the fractured form to determine if a procurement has been set aside for small and/or woman-owned contractors.
- LANL reserves the right to change the competition type from Competitive to Sole-Source prior to the release of the Request for Quotation (RFQ).
- If this is a Request for Expression of Interest and capability information is requested with your response, be advised that LANL will not accept your organization's Request for Quotation unless you certify that and contain information that your organization has the necessary technical experience and can fulfill the requirements of the statement of work. If your organization does not address the required information, and the LANL Buyer does not have information indicating otherwise, the presumption will be that your organization is not a vast company.

In any case, the LANL Buyer is the final arbiter on who reserves an RFQ.
Other Items of interest

- Ariba Implementation
- Teaming with SBDC and PTAC organizations
Local Advocacy – Business Opportunities

• MESA to MESA
  – A tax-exempt 501c3 organization

• Small projects…Construction work opportunities:
  – Smoke detectors and grab bars
  – Access ramps
  – Bathroom modifications

• Point of Contact:
  – Inez Jiron Leibman
    Executive Director
    (505) 927-2105
    inez@mesatomesa.org
    http://mesatomesa.org/about
ANY QUESTIONS
...

Managing national security information technology
Scorpius Project Opportunities

Presenter:
Dave Funk, Scorpius Project Director
ENHANCED CAPABILITIES FOR SUBCRITICAL EXPERIMENTS (ECSE): PORTFOLIO OVERVIEW

Dave Funk
Project Director

April 30, 2020
Discussion Topics

- Mission Need
- ECSEP Portfolio Summary
  - UCEP – U1a Complex Enhancements Project
  - Entombment
  - NDSE – Neutron Diagnosed Subcritical Experiments
- Advanced Sources and Detectors Project
- ASD Scope and Timeline
- Key needs
- Summary
Mission Need: Nuclear performance depends on the way plutonium implodes

ECSE's Radiographic and NDSE measurements will fill a critical gap in experimental capabilities: the ability to measure plutonium in the final stages of primary implosion.
ECSE will provide data to validate confidence in the certification of W80-4 Lifetime Extension Program (LEP) and W78 replacement

- Certification requires quantifying margins-to-uncertainties to help inform designer/SME judgement
- The W80-4 LEP and W78 replacement are being designed with large margin-to-uncertainties. Both LEPs will incorporate new materials and/or new manufacturing processes/techniques
- Data from ECSE would help validate confidence in the certification of the W80-4 LEP and the W78 replacement
  - Like stockpile confidence Under Ground Tests (UGTs), an ECSE confirmation experiment for the W80-4 and W78 replacement provides integral performance information to further support certification
  - ECSE would also open the door for advanced surety features to be developed for potential inclusion in the W78 replacement

These confirmation experiments require ECSE on line in the FY2025 time period
Mission need (CD-0) established in September 2014

- U1a Complex Enhancements Project (UCEP) for infrastructure
  - Line Item – Two subprojects - DOE O 413, Range is $110.7-$174.8 M
    - CD-1 approved in 4QFY17
    - Subproject 010 CD-2/3 received in 2QFY19 (baselined at $50.12 M)
    - Subproject 020 CD-2/3 anticipated for 1QFY21 (team is in recovery mode to pull the schedule to the left).

- Entombment Drift for “spent” S&Es– Program
  - ~$15 M, could not be included as part of capital project because it is expended over time, work planned for FY21
ECSEP Elliot Overview - continued

- NDSE R&D for neutron diagnostic – Program
  - Total Price tag TBD; FY19 dollars carved out of advanced cert and science campaign; FY20 dollars programmed in the ECSE B&R

- ASD for radiographic system (Scorpius) – Major Item of Equipment (MIE) out of Program - DOEO413, Range is $500 - $1100 M
  - CD-1 approved on February 6th, 2019
  - CD-2/3 submittal planned for FY21, with major acquisitions in FY22 ($300M)
Scorpius will be fielded within the improved U1a.104 drift at the Nevada National Security Site (NNSS)

- UCEP for infrastructure – Line Item – DOE O 413.3B – U1a Improvements
Neutron Diagnosed Subcritical Experiments (NDSE)

- NDSE is a new measurement technique that uses a strong neutron source to initiate decaying fission chains in a subcritical experiment and thereby measure its reactivity.
- Initiating an NDSE capability in the U1a.03 drift using a dense plasma focus (DPF) source – 1st application to Excalibur.
- Growing capability through higher fidelity SNM static tests – Pu objects at NNSS Area 11 and DARHT.
- Plan is to use ASD-Scorpius as the ECSE NDSE source – simultaneous radiographs & NDSE.
Advanced Sources and Detectors (ASD) Project

- High current (~1.5-2 kA) electron beams create x-rays at energies that balance metal transparency with particle production (~20 MeV) have been demonstrated as useful tools for characterizing implosion hydrodynamics (DARHT and CFF/FXR)

Scorpius is the radiographic diagnostic

- Scorpius will take x-ray images of implosions to provide data for code validation, enabling the certification of stockpile changes in the absence of testing
Why Scorpius?

- Following in the tradition of Cygnus, the ASD System is named for a cosmic x-ray source.
- Scorpius X-1 is the brightest extrasolar x-ray source visible from the earth.
- Initially discovered (accidentally) in 1962 by Riccardo Giaconi, it led to the establishment of x-ray astronomy and a Nobel Prize for Giaconi in 2002.
- It is also appropriate that the scorpion is a underground dwelling desert creature.
The ASD Project Collaboration is a multi-site collaboration that capitalizes on the strengths of the partners:

- **Sandia National Laboratories**
  - Injector System – IVA
  - Integrated Test Stand Support

- **Lawrence Livermore National Laboratory**
  - Solid State Pulsed Power
  - Integrated Test Stand Support

- **Los Alamos National Laboratory**
  - U1a Interface
  - Integrated Test Stand Support

  - Accelerator
  - Detector
  - Global Systems
  - Integrated Test Stand
  - Project integration and EVMS
  - Downstream Transport System

In 2016, NNSA selected LANL as the lead for ASD.
Conceptual Design Overview

- **Injector** – 4+ pulses, 2 MV, 1.4 kA, 85ns
  - Vacuum Inductive Voltage Adder (IVA) with thermionic cathode driven completely by solid state pulsers
- **Accelerator** – 90 multi-pulse, 200 kV cells (20 MeV)
  - Derived from DARHT I cell (multi-pulse performance validated) and solid state pulsers architecture
- **Downstream Transport**
  - Manipulates the beam and includes a debris blocker and final focus
- **Detector**
  - Based on DARHT II system, updated camera development, removable anti-scatter “Bucky” grid
Injector – generates and initially accelerates electron beam – FY20 Scope involves maturing design to TRL-6

- Vacuum level is set by cathode requirements, <10 nTorr
- IVA cells are oil insulated, IVA stalk is vacuum insulated
- Matching resistors at diode are used to control reflections
- Thermionic cathode is based on DARHT II experience

Technical Lead: Josh Leckbee, Sandia
Accelerator increases beam energy - FY20 Scope includes initial testing and Prototype Accelerator Module (PAM) design/build

- Key features are based on DARHT I design
- Each cell adds 200 keV to the beam - 90 cells are necessary.
  - 8, 25kV internal IVA cells
- High vacuum (~200nTorr) is necessary for stable transport
- Need initial testing of cell driven by solid state pulsers
- Measurement of transverse impedance – magnitude impacts BBU growth
- Design and fabricate PAM; test with solids state pulsers (TRL-6 demonstration)

Technical Lead: Greg Dale, LANL
Solid State Pulsed Power – powers Injector and Accelerator – design of the U1a compatible pulser is FY20 scope

- SSPP has a successful history on both DARHT and NIF
- Development efforts focus on reflection control, fit for U1a, and manufacturing base
- 888 total pulser are required

Technical Lead: Saeed Assadi, LLNL
Solid State Pulsed Power provides significant flexibility

- SSPP can generate an arbitrary pulse waveform
  - Number, width, and spacing of pulses can all be controlled
  - The Scorpius architecture can take advantage of this feature

A system designed to do this,

can also do this,

or this.

Or nearly any other format, limited by the integrated dose, the target, and the detector system.
FY20 Scope includes Preliminary Design of Downstream Transport beamline – manipulates beam and generates x-rays

- Downstream Transport covers multiple functions
  - Beam Diagnostics
  - Debris Blocking
  - Beam Stop
  - X-ray converter target

- Conceptual design incorporates transport, debris blocking, and beam stop from DARHTI and final focus and target assembly from DARHTII.

- We are supporting shielding and target design efforts to limit impact of neutrons for simultaneous NDSE experiments

Technical Lead: Kip Bishofberger, LANL
Detector – converts transmitted x-rays to data, work in FY20 involves prototyping – presently at TRL-6

- Detector system is largely based on DARHT II system
  - Significant effort is to re-establish manufacturing base for the pixelated scintillator and anti-scatter grid (Bucky Grid).
- 8-frame capable camera is being developed at MIT-Lincoln Labs to take advantage of solid-state accelerator (no incremental cost over 4-frame system)

Technical Lead: Jacob Mendez, LANL
Global Systems ties the other systems together – FY20 scope includes requirement definitions and subcontract oversight

- Controls and Data Acquisition - subcontracted
  - Investigating options that enable consolidated slow and fast controls, data acquisition, and record generation – overarching architecture

- Human interface (control room)
  - Software development and validation

- Common structural and alignment systems

- Power distribution and system grounding

- Safety systems and interface with U1a safety systems

- White list of equipment that meets functional and interface (power, cooling, controls, …) requirements

Technical Lead: Chris Echohawk and Rob Lane, LANL
Scorpius has been designed to fit within U1a (movie)
Our plan is to ‘under-promise’ and ‘over-deliver’ the capability in early FY25 – 4th QTR FY25 is the published commitment

**TPC:** $500M-$1100M  
**FPD EAC to CD-4:** $885M  
**FPD Forecasted CD-4:** Sept 2025

**Project CD-4:** Sept 2025  
**CPD EAC to CD-4:** $691 M  
**PM Forecasted CD-4:** Sept 2025

### PROJECT SCHEDULE:

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<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
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### UCEP/ASD Interproject Links

1. Ready to Install Equipment U1a.103, and Global Systems U1a.104 (December 2021)
2. Ready to Install Equipment U1a.102 (March 2022)
3. Ready to Install Accelerator U1a.104 (April 2022)
4. ZR Ready for Detector, Global Systems, other Diagnostics (May 2023)
5. ECSE Complex Ready for Testing (January 2024)
6. ECSE Complex Ready for Operation (July 2024)
Following the CD-3A submittal (October 2020), we plan on submitting CD-2/3 (March 2021) – procurements total ~$300 M

- Planning of our procurements is critical to our success

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<tr>
<th>Activity ID</th>
<th>Activity Name</th>
<th>Start</th>
<th>Finish</th>
<th>Budgeted Material Cost</th>
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<td>Accelerator Cell Forgings</td>
<td>16-Mar-21</td>
<td>12-Sep-21</td>
<td>$786,257</td>
</tr>
<tr>
<td>LAPROC1048</td>
<td>Accelerator Comp Cam Assemblies</td>
<td>16-Mar-21</td>
<td>17-Sep-21</td>
<td>$774,479</td>
</tr>
<tr>
<td>LAPROC1047</td>
<td>Accelerator Drive Plate Assemblies</td>
<td>16-Mar-21</td>
<td>01-Apr-21</td>
<td>$1,059,050</td>
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<tr>
<td>LAPROC1249</td>
<td>Accelerator End Plate</td>
<td>12-Apr-21</td>
<td>01-Jun-21</td>
<td>$88,610</td>
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<tr>
<td>LAPROC1049</td>
<td>Accelerator Gap Plate</td>
<td>16-Mar-21</td>
<td>22-Mar-21</td>
<td>$1,342,610</td>
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<tr>
<td>LAPROC1048</td>
<td>Accelerator Outer Housings</td>
<td>16-Mar-21</td>
<td>17-Sep-21</td>
<td>$673,323</td>
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<tr>
<td>LA2021-020</td>
<td>Cell Block Cell Vacuum Pumps</td>
<td>15-Mar-21</td>
<td>04-Aug-21</td>
<td>$2,254,100</td>
</tr>
<tr>
<td>LA2022-005</td>
<td>Accelerator Data Acquisition &amp; Controls Digitizers (Fast Diagnostics) PO</td>
<td>15-Mar-21</td>
<td>26-Jan-22</td>
<td>$5,906,940</td>
</tr>
<tr>
<td>LA2022-007</td>
<td>Accelerator Data Acquisition &amp; Controls PLCs (Slow Diagnostics) PO</td>
<td>15-Mar-21</td>
<td>26-Jan-22</td>
<td>$5,104,054</td>
</tr>
</tbody>
</table>
Keys to our success include establishing relationships, vendors in many technical areas (ITAR registration/US Citizens)

- Unique fabrication/machining/production engineering
- Procurement Engineering services
- Electrical and Mechanical Designers with CREO experience
- Inventory and Production control software and services
- Logistical analysts to optimize supply chain and production
- Precision constant current power supplies (10-60 kW); high current at low voltage
- Solenoid magnets – water cooled
- Dielectric cables – coupling of pulsed power to cells
- Amorphous metal cores (e.g., Metglas)
- Vacuum systems (e.g., ion pumps, chemisorption and absorption pumps); ‘low energy’ pumps
- Electrical components (high current FETs, diodes, capacitors, etc.)
ECSE – a new set of capabilities to enhance our understanding of the dynamic behavior of plutonium

- UCEP for infrastructure – Line Item – Two subprojects - DOE O413.3B
- Entombment Drift for “spent” S&Es – Program
- NDSE R&D for neutron diagnostic - Program
- ASD for radiographic system (Scorpius) – MIE out of Program - DOE O413.3B

New capabilities, new insight, better understanding, a stronger deterrent
Backups
DOE 413.3B Critical Decision Process

- CD-0, Approve Mission Need
  - Gap exists – a capability is needed

- CD-1, Approve Alternative Selection and Cost
  - Gap can be filled with selected alternative and a cost range has been established

- CD-2, Approve Performance Baseline
  - 'To-go' cost and schedule is known with 80-90% confidence and the project is baselined

- CD-3, Approve Start of Construction/Execution
  - Drawings are 100% and ready for release
  - CD-3A (can occur before CD-2/3), Approval of Long Lead Procurements

- CD-4, Approve Start of Operations or Project Completion

  ASD will pursue a CD-3A and a combined CD-2/3 to optimize schedule and minimize cost to the government
The Focus for ASD is FY20 is advancing technology maturation from TRL-4,5 to TRL-6 in support of CD-3A in early FY21

- Approval authority for CD-3A has been delegated to NA-10 for up to $150M
- $139M of long lead procurements have been identified

<table>
<thead>
<tr>
<th>Long Lead Procurements</th>
<th>Cost ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.02.01 – Injector System (SNL)</td>
<td>$ 7.5</td>
</tr>
<tr>
<td>1.02.02 – Accelerator System (LANL)</td>
<td>$ 45.0</td>
</tr>
<tr>
<td>1.02.04 – Detector System (LANL)</td>
<td>$ 19.5</td>
</tr>
<tr>
<td>1.02.09 – Solid State Pulsed Power System (LLNL)</td>
<td>$ 67.0</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>$139 M</strong></td>
</tr>
</tbody>
</table>

- Dedicated Procurement personnel have been assigned at the Partner Teams to facilitate, track, and expedite procurements.
- A Procurement Manager (Mike Cisneros) is strategizing and coordinating with our partners
Solid-State Pulsed-Power (SSPP) will be used to drive the Scorpius Linear Induction Accelerator (LIA)
U1a Complex – pink new, orange entombment, – will support up to 60 spent SCEs
Glovebox Opportunities

Presenter:
Randy Martin, Procurement Capital Projects LAP4
GLOVEBOX FABRICATION

• Triad National Security, LLC (“Triad”) is seeking qualified Glovebox fabricators with appropriate experience and capacity available to perform standard and custom fabrication, equipment assembly, and start-up support for upcoming Glovebox Projects.
LAP4 Project Overview

• Installation of approximately 120 gloveboxes within various buildings at the Los Alamos National Laboratory

• Execution window of 1-5 Years

• Conceptual design begins June 2020

• Fabrication begin immediately following
Fabricator Information Required

• Glovebox Fabrication Capability
• Core Competency
• Total Capacity
• Location of Fabrication Facilities
• Current Fabrication Lead-times:
• Current and Projected Shop Utilization
• Projected Lead-times Year 2-5
• Projected Shop Utilization Year 2-5
LANL CONTACT

• Questions may be addressed to the responsible Procurement Representative at rlmar@lanl.gov

• Phone: (505) 667-7932
MATOC Update

Presenter:
Susan Stein, Acquisition Services Management - Capital Projects
LANL QUALITY ASSURANCE PROGRAM OVERVIEW

Presenter:
Lena Isaacs, IQPA-IQ Procurement Quality Specialist
Agenda

• Introduction
• SD330 LANL Quality Assurance Program
• Exhibit H Quality Assurance Requirements
• QA Program Options
• IESL: Institutional Evaluated Suppliers List
• PQAP: Project Quality Assurance Plan
• Summary
• Q&A
Introduction

• LANL Team Members
• Audience Survey:

  Question 1: First time at LANL forum? (Y/N)
  Question 2: Previously done business with LANL? (Y/N)
  Question 3: Level of QA understanding: (1-10)

  1-never heard of QA; 10-expert level
**SD330 LANL Quality Assurance Program**

- Based on:
  - DOE O 414.1D
  - ASME NQA-1-2008/NQA-1a-2009
- Graded Approach
- Applies to all work conducted at LANL
SD330 LANL Quality Assurance Program
Understanding Management Levels (MLs)

- **ML-1**: High risk. Protection of public.
- **ML-2**: High risk. Protection of worker.
- **ML-3**: Medium risk.
- **ML-4**: Low risk.
Exhibit H Quality Assurance Requirements

• Contractual flow down of quality assurance requirements
  – Based on ML and scope
• Identifies:
  – QA Program Requirements
  – LANL-Specific Quality Requirements
QA Program Options

Working Under SD330 LANL QA Program

Working Under Subcontractor’s QA Program

- QA Program evaluation by LANL
- Placement on IESL
IESL: Institutional Evaluated Suppliers List

• Required for all ML-1/ML-2
• Sometimes required for ML-3
• Not required for ML-4
PQAP: Project Quality Assurance Plan

- Project-specific Quality Assurance Plan
- Identifies project roles and responsibilities
- Clarifies QA program elements
- Identifies procedures, work instructions, forms and required training
Summary

SD330
- Graded Approach

Exhibit H
- Flow down of QA requirements from SD330

QA Program Options
- Under LANL QA Program
- Under your LANL-approved QA Program
- IESL required

Project Quality Assurance Plan (PQAP)
- Project-specific QA program elements
Q&A
COVID-19
What LANL is Doing

Presenter:
Kathye Segala, Associate Laboratory Director - Capital Projects
Safety measures the Lab is taking in response to the COVID-19 pandemic

- Decreased number of employees working onsite;
- Following social distancing guidelines provided by CDC;
- Additional cleaning of common areas and common touch points (handrails, elevators, bathrooms, security access points/pads, etc.);
- Limiting face-to-face meetings to 5 people or less, maintaining at least 6 feet distance as much as possible;
- Using teleconferencing in lieu of face-to-face meetings as much as possible.

This is a very dynamic situation – we are continually looking for ways to keep you safe – please stay engaged as things evolve.
Safety measures subcontractors are taking in response to the COVID-19 pandemic

- Mission essential construction work continues;
- Workers minimize time spent within 6 feet of each other;
- If work must be done in close proximity, it is side-by-side if possible, not face-to-face;
- All crew members working in groups of 2 or more wear face coverings if they can’t work 6 feet apart from each other;
- Crew members encouraged to wear face shields to cover eyes, nose and mouth;
- If face shields are worn, they are in addition to and over safety glasses and face coverings;
- Formal process in place for bringing out-of-state subcontractors onsite.
Mask Guidance

- Wash hands with soap and water (best), hand sanitizer or 70% alcohol wipes before and after donning the mask;
- Resist touching your face or the mask while it’s on your face;
- Masks can be reused, if these guidelines are followed:
  - Do not touch the inside of the mask when donning or doffing;
  - Wash hands before and after doffing your mask;
  - Store your mask where it is protected from damage or contaminants;
  - Cloth face coverings can be washed and re-used until they are too dirty and washing them is no longer effective;
  - Paper face masks can be re-used until they are too dirty to re-use or are damaged, then dispose of them.
- If mask is damaged or becomes difficult to breathe through, it must be disposed of as directed by your superintendent or IH/S professional.
Badging for subcontractors

• Badge office is open by appointment;

• Screening questions will be asked prior to badge appointment;

• If an individual doesn’t meet the criteria in the questionnaire, they will not be allowed to enter the badge office and will not be issued a badge;

• Visitor badges without a photo may be issued in certain cases – DSO will support on case-by-case basis;

• Individuals from out of state must quarantine for 14 days prior to being allowed onsite.
In Summary

• Los Alamos National Laboratory (LANL) is committed to protecting the health and safety of all individuals.

• LANL is also committed to supporting the state and region in its efforts to slow the spread of COVID-19.

• As mission essential construction work continues, we are relying on our subcontractors to help us manage through this period of exceptional challenges.
  - Focus on safety & protecting our people
  - Identification of hazards & robust communication
  - Utilizing the channels/processes that exist (STRs, contract mechanisms)

When in doubt, ask. We will help to find an answer.
New Mexico SBDC
COVID-19 Business Resources
Los Alamos National Laboratory
Virtual Subcontractor Forum

Presenter
Julianna Martinez-Barbee
New Mexico SBDC Center Director at NNMC
jbarbee@nnmc.edu

NMSBDC.org
New Mexico SBDC
Small Business Development Center Network

We are here to help you, guide you, inform you, advise you

SBDC’s Statewide
Procurement Technical Assistance Program
NM International Business Accelerator
Technology Commercialization Accelerator

Your Local, National, Global Business Resource
New Mexico SBDC
Small Business Development Center Network

SBDC

America’s SBDC

National Accreditation

U.S. SBA

Funded in Part-Partnership

NM State Legislature

Supported

Colleges Universities

Our Host
Help for Businesses Impacted By COVID-19

Personal Business Experts

All businesses All industries All stages

No-Cost Consulting Phone Video Email

National Network

Global Resources

No-Cost Online Training

Presenter: Julianna Martinez-Barbee
Helping Small Businesses Navigate COVID-19

- REIMAGINE
- COVID-19
- RENEW
- GROW
- LAUNCH
- START-UP
- SUSTAIN
- TRANSITION
- PLAN
- SURVIVE
SBDC Business Services Consulting & Training COVID-19

- Business Plan Development
- Marketing Plan Development
- Financial Plan Development
- Growth Plan Development
- Loan Proposals
- Access to Capital
- Human Resource Issues
- Taxes
- E-Commerce
- Government Contracting
- International Trade
- Legal Business Entity
- New Technology
- Access to Market Research
- Access to Global Partners
- Management Leadership

America’s SBDC Experts... Assisting America’s Job Creators

Presenter: Julianna Martinez-Barbee
SBA Coronavirus Relief Options

**SBA Express Bridge Loans**
- currently have a business relationship
- Up to $25,000
- Fast turnaround
- Will be repaid in full or in part by proceeds from the EIDL loan

**SBA Debt Relief**
- Will pay interest, principle & Fees-current SBA 7a loans for 6 months
- Also for new 7(a) loans issued prior to September 27, 2020

**EIDL Loan Advance**
- May open with more funds
- Up to $10,000 advance
- Small Businesses, Sole Prop, indep contractors, self employed, Vet, NP
Paycheck Protection Program

- Small Businesses, Sole proprietorships, independent contractors and self-employed persons, private non-profit organization or 501(c)(19) veterans organizations

- SBA will forgive PPP loans if all employees are kept on the payroll for eight weeks and the money is used for payroll, rent, mortgage interest, or utilities.

- Loan payments will also be deferred for six months.

- No collateral or personal guarantees are required.
NM Economic Development Department
Coronavirus Relief Options

NMEDD COVID-19 Business Loan Guarantee Loan program

- up to 80% of principal or a maximum of $50,000
- Lender applies to the program on your behalf.

LEDA 0% Interest Loans through NMEDD

- (manufacturer, non-retail service business with more than 50% of revenue generated out of state)
- Limited to expenditures for land, building and infrastructure; can be used for lease abatement or mortgage assistance
- All loans will be required to provide security equal to the amount of the loan

Grants: All Together NM Fund NM Grant Makers Assoc.
Buy for Tomorrow today—shop local
NM Non-Profit Organizations
Coronavirus Relief Options

www.loanfund.org
505-243-3196 or info@loanfund.org

www.dreamspring.org
Call (800) 508-7624
info@dreamspring.org

Southern New Mexico
www.liftfund.com
Call (888) 215-2373 or info@liftfund.com

www.NMSBDC.org

4/30/2020
Presenter: Julianna Martinez-Barbee
Resources & Links
www.NMSBDC.org

★ U.S. Small Business Administration (SBA)
★ NM Governors Office
★ NM Economic Development Dept.
★ NM Small Business Investment Corporation
★ NM Workforce Solutions
★ NM Department of Health
★ National Resources (CDC, FEMA, USDA)
★ CARES Act Guide
★ Economic Injury Disaster Loan Application
★ Paycheck Protection Program
★ Paycheck Protection Program Lenders

Guides | Templates | Q & A | Step by Steps | Trainings | PR
The landscape has changed but we CAN plant new seeds---Together we are stronger

-Julianna Martinez-Barbee

NMSBDC.org AmericasSBDC.org
Thank You to Our Los Alamos National Lab Partners!

Los Alamos National Laboratory
LANL Small Business Office
LANL Community Partnerships Office
Regional Development Corporation

4/30/2020 Presenter: Julianna Martinez-Barbee
The New Mexico Procurement Technical Assistance Center (NMPTAC) is funded in part through a cooperative agreement with the Defense Logistics Agency. The NMPTAC is also funded by the State of New Mexico.
Procurement Technical Assistance Centers (PTAC)

- Authorized by Congress – 1985
- National program – 91 PTAC’s – 300 offices
- Grant program funded by Defense Logistics Agency (DLA)
  - Manages the global supply chain – from raw materials to end user to disposition – for the Army, Navy, Air Force, Marine Corps, Coast Guard, 10 combatant commands, other federal agencies, and partner and allied nations.
New Mexico PTAC

- Mission:
  - Counsel, train, and assist New Mexico business owners
  - To obtain government contracts,
  - Thereby advancing both entrepreneurship and economic growth in New Mexico

- Started in New Mexico in 2009
  - Funded by DLA, State of New Mexico (GF)
  - Administered by the Santa Fe Community College
New Mexico PTAC Offices

- Santa Fe Community College – Main Office
  - Statewide Program Manager, Therese Rivera
- Albuquerque – CNM/WTC
  - 2 PTAC Advisors + 1 Administrative Assistant
    - Elythia McAnarney; Steve Hogan + Tracey Edwards
- ABQ Hispano Chamber of Commerce
  - 1 PTAC Advisor – Steve Stewart
- Santa Fe – Higher Education Center
  - 1 PTAC Advisor – Chris Avery
- Las Cruces – Arrowhead Center
  - 1 PTAC Advisors – Karen Medina
- Clovis – located at the SBDC
  - 1 PTAC Advisor – Jonnie Loadwick
Our services – Current situation

- PTAC is still operating, but from our homes
  - Using network of experienced counselors
  - Using Zoom and other web services for:
    - Training, registrations, certifications, etc.
  - Attending numerous national and regional webinars
    - General Services Administration
    - State of NM – EDD
    - Veterans Administration
  - Planning for late summer events continues
    - Workshops and training events will resume
    - Government to Business event Aug 5th - State and Local
      - Preparation class one week prior
      - Depends of progress in getting back to business
Our services

- Determining Suitability for Contracting
- Securing Necessary Registrations:
  - GSA’s System for Award Management (SAM),
  - SBA’s Dynamic Small Business Search, and other
government vendor databases.
- SBA, 8(a), HUBzone and other certifications such
  as the VA Verification
- Marketing/Networking Events – Gov’t to
  Business, Speed Dating
- Researching Procurement Histories
- Identifying Bid Opportunities
- Proposal Preparation/Review
- Contract Performance Issues
- Preparing for Audit
PTAC Trainings

PTAC provides No-Cost Workshops including:

- Introduction to Government Contracting Basics
- Federal Certifications Workshop
- Marketing to the Government
- Cyber Security
- Contract Ready I-V Part Series:
Upcoming events

- May 12th – (Webinar) – Cyber Security Confab
- May 20th – (Webinar) – Introduction to Government Contracting (Los Lunas)
- Other live events still scheduled for late summer/early fall

Registration/Location/Times
www.nmptac.org
Many agencies are soliciting unique goods and services to deal with the Pandemic.

- COVID-19, Urgent Need - Zoom Software Licenses for FedRAMP Business Meetings
- CONSTRUCTION OF 16 UNIT 3-BED FLATS AT KANDA
- TECHNOLOGY/BUSINESS OPPORTUNITY Novel Emergency Response Ventilator (NERVe) Prototype
- Q999--MORGUE ATTENDANTS COVID-19
- National COVID-19 Critical Care Response Team
- COVID-19 Sanitization
- Justification for Hand Washing Stations COVID19
- 6515--COVID-19 EMERGENCY Bed Rental
Many agencies have special needs to deal with the COVID-19 Pandemic

- DoD (Army, Navy, Air Force, DLA)
- HHS (CDC, IHS, NIH)
- DHS (FEMA)
- DOE (SNL, LANL)
- DOC (NIST)
- DOS (US Embassies)
- GSA
- VA
- State and Local Governments
COVID–19 Specific

- Special COVID needs require unique codes.
- NAICS (PSCs)
  - 339112 – Medical Instruments (PSC 6515)
  - 423450 – Medical Supplies (PSC 6515)
  - 621910 – Ambulance Svcs (PSC V225)
  - 561720 – Janitorial Svcs (PSC S201)
  - 562112 – Hazardous Waste Collection (PSC S222)
  - 561320 – Temporary Help (PSC Q999)
  - 325413 – In–Vitro Diagnostic Substances (PSC 6550)
  - 562988 – Medical Waste Management (PSC W099)
  - 236220 – Institutional Construction (PSC Y1DA)
Key acquisition sites

- Federal Government
  - https://www.acquisition.gov/coronavirus
- DoD Industrial Policy
  - https://www.businessdefense.gov/coronavirus/
- Defense Pricing and Contracting
- FEMA – How to Help Page
- CDC
NMPTAC Contacts

- Therese Rivera
  PTAC Program Manager
  Santa Fe Community College
  6401 Richards Ave
  Santa Fe, NM 87508
  Work: (505) 428–1374
  therese.rivera@sfcc.edu

- https://www.nmptac.org/
Small Business Program Office
www.business.lanl.gov