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|--------------------------|---|
| Description of document: | Internal Revenue Service (IRS) Advanced Research Laboratory (ARL) Special Projects Sandbox (SPS) support contract 2018-2019 |
| Requested date: | 30-March-2020 |
| Release date: | 18-November-2020 |
| Posted date: | 07-December-2020 |
| Source of document: | Internal Revenue Service Central Processing Unit Stop 93A Post Office Box 621506 Atlanta, GA 30362 Fax: 877-891-6035 FOIA.gov |

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Department of the Treasury
Internal Revenue Service
Privacy, Governmental Liaison and Disclosure
Centralized Processing Unit
Stop 93A
PO Box 621506
Atlanta, GA 30362

Date:
November 18, 2020
Employee name:
Cheri Rossi
Employee ID number:
1000682860
Telephone number:
408-283-1841
Fax number:
855-205-9335
Case number:
2020-04123

This is a final response to your Freedom of Information Act (FOIA) request dated March 30, 2020, and received in our office on July 16, 2020.

You asked for a copy of the Statement of Work and the first 25 page of the Report produced by the contractor under BPA Call 2032H818F00249 and BPA Call 2032H818F00204 awarded to Eastport Analytics under Parent BPA TIRNO13Z00006.

We searched for and located 11 pages under 2032H818F00249 and 18 pages under 2032H818F00204 as responsive to your request.

Of the 29 pages located in response to your request, we're enclosing 29 pages. We are releasing 17 pages without exemptions and withholding 12 pages in part. Redacted portions of each page are marked by the applicable FOIA exemptions which are described below:

FOIA exemption (b)(4) protects trade secrets and privileged or confidential commercial or financial information obtained from a person.

FOIA exemption (b)(6) exempts from disclosure files that would constitute an unwarranted invasion of personal privacy. We base the determination to withhold on balancing interests between the protection of an individual's right to privacy and the public's right to access government information.

If you would like to discuss our response, you have the right to contact the FOIA Public Liaison, Summer Sutherland, at 801-620-2149.

The FOIA Public Liaison responds to FOIA requests for copies of documents maintained by the IRS. There is no provision in the FOIA to resolve tax, collection, or processing issues. If you need assistance with tax-related issues, you can call the IRS at 800-829-1040.

You also have the right to contact the Office of Government Information Services (OGIS). The Office of Government Information Services, the Federal FOIA Ombudsman's office, offers mediation services to help resolve disputes between FOIA requesters and federal agencies. The contact information for OGIS is:

Office of Government Information Services
National Archives and Records Administration
8601 Adelphi Road--OGIS
College Park, MD 20740-6001
202-741-5770
877-684-6448
ogis@nara.gov
ogis.archives.gov

You have the right to file an administrative appeal within 90 days from the date of this letter. By filing an appeal, you preserve your rights under FOIA and give the agency a chance to review and reconsider your request and the agency's decision. I've enclosed Notice 393, Information on an IRS Determination to Withhold Records Exempt From the Freedom of Information Act - 5 U.S.C. 552, to explain your appeal rights.

Your decision to contact the FOIA public liaison or OGIS for assistance resolving your dispute does not extend the 90-day period in which you can file an appeal.

If you have questions, you can contact the person at the telephone number at the top of this letter.

Sincerely,



David Nimmo
Disclosure Manager
Disclosure Office 13

Enclosures (2):
Responsive documents
Notice 393

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 16

IMPORTANT: Mark all packages and papers with contract and/or order numbers.


| | | | | | |
|---|--|--|---------------------------|--|----------------|
| 1. DATE OF ORDER 6/12/18 | | 2. CONTRACT NO. (If any) GS-35F-0136N | | 6. SHIP TO: | |
| 3. ORDER NO. 2032H8-18-F-00204 | | 4. REQUISITION/REFERENCE NO. 5000038240 | | a. NAME OF CONSIGNEE Internal Revenue Service | |
| 5. ISSUING OFFICE (Address correspondence to) Internal Revenue Service 5000 Ellin Road Lanham, MD 20706 POC: Anthony Reed | | | | b. STREET ADDRESS 77 K Street NE. | |
| | | | | c. CITY Washington | d. STATE DC |
| | | | | e. ZIP CODE 20002 | |
| (b)(6) | | | | 7. TO: | |
| a. NAME OF CONTRACTOR | | | | f. SHIP VIA | |
| b. COMPANY NAME Eastport Analytics Inc. | | | | 8. TYPE OF ORDER | |
| c. STREET ADDRESS 1700 N. Moore Street | | | | <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract. | |
| d. CITY Arlington | | e. STATE VA | f. ZIP CODE 22209-1913 | | |
| 9. ACCOUNTING AND APPROPRIATION DATA (b)(4) | | | | 10. REQUISITIONING OFFICE (b)(6) | |

| | | | | | |
|--|------------------------------|------------------------|--|---|--|
| 11. BUSINESS CLASSIFICATION (Check appropriate box(es)) | | | | 12. F.O.B. POINT | |
| <input checked="" type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB | | | | | |
| 13. PLACE OF | | 14. GOVERNMENT B/L NO. | | 15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) | |
| a. INSPECTION DESTINATION | b. ACCEPTANCE DESTINATION | N/A | | 12/11/2018 | |
| 16. DISCOUNT TERMS | | | | | |

17. SCHEDULE (See reverse for Rejections)

| ITEM NO (a) | SUPPLIES OR SERVICES (b) | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
|----------------|---|-------------------------|-------------|-------------------|---------------|--------------------------|
| 0001 | <p>This task order is being issued in accordance with the Performance Work Statement herein and the contractor's proposal dated May 11, 2018</p> <p>Period of Performance is June 12, 2018 - December 11, 2018</p> <p>International Sandbox Support</p> <p>Note: The contractor will bill monthly. Local travel will not be reimbursed.</p> | 0001 | EA | (b)(4) | (b)(4) | (b)(4) |

| | | | | | | | |
|-------------------------------------|--|--|---------------------------|----------------------|-----------------|-------------------|--------------------------|
| SEE BILLING INSTRUCTIONS ON REVERSE | 18. SHIPPING POINT | | 19. GROSS SHIPPING WEIGHT | | 20. INVOICE NO. | | 17(h) TOT. (Cont. pages) |
| | 21. MAIL INVOICE TO: | | | | | | |
| | a. NAME | | | | | | |
| | b. STREET ADDRESS (or P.O. Box) 1111 Constitution Avenue NW | | | | | | |
| | c. CITY Washington | | d. STATE DC | e. ZIP CODE 20004 | | 17(i) GRAND TOTAL | |

| | |
|---|-------------------------------------|
| 22. UNITED STATES OF AMERICA BY (Signature) | 23. NAME (Typed) |
|  | TITLE: CONTRACTING/ORDERING OFFICER |

SUPPLEMENTAL INVOICING INFORMATION

If desired, this order (or a copy thereof) may be used by the Contractor as the Contractor's invoice, instead of a separate invoice, provided the following statement, (signed and dated) is on (or attached to) the order: "Payment is requested in the amount of \$. No other invoice will be submitted." However, if the Contractor wishes to submit an invoice, the following information must be provided: contract number (if any), order number, item number(s), description of supplies or service, sizes, quantities, unit prices, and extended totals. Prepaid shipping costs will be indicated as a separate item on the invoice. Where shipping costs exceed \$10 (except for parcel post), the billing must be supported by a bill of lading or receipt. When several orders are invoiced to an ordering activity during the same billing period, consolidated periodic billings are encouraged.

RECEIVING REPORT

Quantity in the "Quantity Accepted" column on the face of this order has been: inspected, accepted, received by me and conforms to contract. Items listed below have been rejected for the reasons indicated.

| | | | | | |
|--------------------|---------|--------------|---------------|---|------|
| SHIPMENT NUMBER | PARTIAL | | DATE RECEIVED | SIGNATURE OF AUTHORIZED U.S. GOV'T REP. | DATE |
| | FINAL | | | | |
| TOTAL CONTAINERS | | GROSS WEIGHT | RECEIVED AT | TITLE | |

REPORT OF REJECTIONS

| ITEM NO. | SUPPLIES OR SERVICES | UNIT | QUANTITY REJECTED | REASON FOR REJECTION |
|----------|----------------------|------|----------------------|----------------------|
| | | | | |

TIRNO13Z00006 / 2032H8-18-F-00204 (0027)
Blanket Purchase Agreement Task Order
Performance Work Statement

Submitted By:
Research, Applied Analytics & Statistics (RAAS)

International Sandbox

C.1 Introduction/Overview

(b)(4)

The mission of the Internal Revenue Service (IRS) is to provide taxpayers top-quality services by helping them understand and meet their tax responsibilities and enforce the law with integrity and fairness.

(b)(4)

C.2 Background

(b)(4)

To improve the [REDACTED] it is essential for IRS to maximize its ability to identify non-compliant taxpayers while reducing the inconvenience to many compliant taxpayers.

(b)(4)

[REDACTED] Research, Applied Analytics, & Statistics (RAAS) delivers rapid analytical results for, and operational insights into, some of the most difficult and pressing non-compliance issues facing IRS mission areas. The Large Business & International (LB&I) organization through its role in administering treaties and managing compliance relationships with other countries collects a significant amount of data. Moreover, Treaty and International Individual Compliance program office analysts need to effectively organize the collected data to supply compliance teams across the IRS with useable and actionable international data.

(b)(4)

[REDACTED] When new international data comes in, the (b)(4) [REDACTED] allows the analysts involved to determine how to best make use of the information. Search tools, analytic techniques, and classification systems are often deployed on top of these International datasets. Some examples of these international datasets include [REDACTED] and many others.

C.3 Tasks and Deliverables

Kick Off Meeting

Within 5 business days of the start of the Period of Performance, the Contractor shall conduct a Kick Off Meeting and provide minutes of the meeting.

Deliverable 1.1: Kick Off Meeting Minutes (Microsoft Word 2016)

Treaty Exchange Data with Search & Distribute Capabilities

[Redacted] Proof of concept tools developed (b)(4) [Redacted]
[Redacted] allowing subject matter experts to author complex queries and create meaningful “views” of the (b)(4) data. The contractor shall maintain and enhance the processing of data and allow users to perform searches and other capabilities including, but not limited to:

- (b)(4) [Redacted]
[Redacted] (b)(4) [Redacted]
- (b)(4) [Redacted]
 - (b)(4) [Redacted] Web-based Orientation Development
 - Perform (b)(4) [Redacted] Assessments
 - Develop (b)(4) [Redacted]
- Ad Hoc Analysis and Program Support
 - (b)(4) [Redacted]
 - Individual
 - Business
 - Ad Hoc Data & Analytic Support
 - (b)(4) [Redacted]
 - (b)(4) [Redacted] Web-based Orientation Support
 - (b)(4) [Redacted] assessment and analysis
 - Traditional (b)(4) [Redacted] related support

(b)(4)

➤ Ingest data by (b)(4)
and including data provided outside of (b)(4)

- Automate and further refine the uploading and processing of data to create a useable data source: i.e., formatting, indexing, parsing, etc.
- Create a series of processes to (b)(4) to gain a broad representation of the taxpayer and his/her compliance to appropriate tax obligations.
- Provide further analyses and profiling on international data sources to understand underlying compliance indicators
- Extend user's ability to access, analyze and distribute data for use in compliance analysis by utilizing advanced information visualization techniques on information and understanding.
- Focus on more efficient methods to rapidly exploit voluminous data and make results more action ready for subject matter experts. This may include but not limited to Web Based training for the Program Office, tutorials on use of (b)(4) or other tools and provide a central repository of organized data and reports to help generate project distribution and sharing amongst users
- Support other issues related to ongoing / proposed research projects in the Business Operation Division.
- Conduct overviews of emerging technology for stakeholders in RAAS, LB&I and other IRS organizations.
- Provide a (b)(4) environment to configure and improve existing (b)(4) capabilities, and develop new capabilities needed to support customers making use of the (b)(4) tools.

(b)(4)

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(b)(4)

LB&I Initiated Studies

Other ad-hoc LB&I related studies may uncover potentially abusive trends within the International environment as new issues and challenges are detected. There is a need to cross reference a multitude of data sources within the IRS. The contractor shall provide support including, but not limited to:

- Support projects relating to International Business Compliance and International Individual Compliance units.
- Support ad hoc projects like (b)(4)
- Support projects relating to third party data, i.e., (b)(4) (b)(4) and others brought by International Individual Compliance Unit.
- Support refinement of (b)(4) Data as it relates to how it's reported on CDW. Taxpayer input fields need to be standardized allowing filtering of certain line items/boxes.
- Support LB&I on various tasks relating to taxpayer identification and compliance analysis.
- Identify New Workflows to Load into the (b)(4) campaign deep dive assessments

- Identify other case workflows and campaigns that could benefit from using the (b)(4) Collaborate with various LB&I teams and work with them to understand their processes and explore expanding the (b)(4) to a broader range of campaign workflows
- Adding Supplemental Data to Compliance Models-Develop a technical solution to automate the approved IIC compliance models that will support the loading into the (b)(4) tool.
- The (b)(4) has a current set of reports that are available to provide statistics on the progress, inventory, and status of the various tracking codes loaded into the tool. We will work to develop additional reports that will allow Data Analytics and classification managers to gain more insights into the model performance and workload inventories.
- Campaign Performance Analysis and Measurement- Audit Information Management (b)(4)
- Automate pulling examination results for analysis including (b)(4) (b)(4)
- Provide analysts with the ability to analyze and measure case performance within campaign workflows by (b)(4) throughout the case lifecycle.

(b)(4)

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(b)(4)

- (b)(4) to Identify when Cases are Ready for Classification

Clerks are working with large volumes of digital cases and organization can be a challenge. We will develop and implement a method to easily find and (b)(4) cases within the (b)(4) stage that meet case “ready” requirements so that Clerks can easily move these cases in bulk to the (b)(4) stage.

- Validate Case Package Structures with Examination

As (b)(4) to include the (b)(4) (b)(4) we need to verify that the output format adheres to the expectations of the examination teams. There are various options in which a digital case package could be created and it’s important to generate them in a formal structure to make the complete process more efficient and effective.

- Explore how (b)(4) Can Handle (b)(4) Workflows

(b)(4) Workflows do not follow the typical process of a normal campaign; we will explore alternative options to handle the (b)(4) workflows within the (b)(4). The (b)(4) workflows will typically identify specific case work that may have already been established or loaded in the working inventory of the (b)(4). We will explore options to identify and isolate the cases for (b)(4) work.

Status Meetings and Reports

The Contractor shall produce a monthly status report detailing progress toward the requirements of this Task Order. The Contractor shall present the information within the report to RAAS senior staff and LB&I points of contact each month during the Period of Performance of this Task Order.

Deliverable 2.1: Monthly Status Reports (Microsoft Word or PowerPoint 2016)

C.4 Delivery Schedule

| Deliverable | Format | Deliver To | Schedule |
|----------------------------------|--|---|---|
| 1.1 Kick Off Meeting and Minutes | In-person and telephone meeting using IRS call in number Minutes: Microsoft Word 2016 | COR, Government Technical Manager, Meeting Attendees | Within 5 Business Days of Task Order Award |
| 2.1 Monthly Reports | Microsoft Word or PowerPoint 2016 | COR, Government Technical Manager, RAAS Senior Staff and LB&I Points of Contact | Monthly on day agreed upon between COR and Contractor |

C.5 Place of Performance

Upon issuance of interim or final staff-like access memoranda and completion of required security training, contractors shall be granted staff-like access to IRS space at (b)(4) (b)(4) to perform work. The contractor shall primarily perform work at the contractor's facility using secure IRS equipment.

As directed, the Contractor may occasionally be required to perform work and/or attend meetings at other government buildings in the Washington, DC and Martinsburg, WV metropolitan areas.

C.6 Period of Performance

The Period of Performance shall be from date of award through 6 months from date of award.

C.7 Government Furnished Property (GFP)

IRS shall furnish the following to each Contractor:

- HSPD12 badge
- IRS laptop
- Statistical tools, such as: (b)(4)
- IRS intranet access and email account
- Ad hoc workspace at (b)(4) with desks, chairs, phones, network connections, and standard office equipment

- As determined by mutual agreement between the Government and the Contractor, the Government shall provide information that may be required in the successful performance of any task(s).

At the completion of the Task Order or within 1 working day of COR request (whichever comes first), the Contractor shall return any Government provided equipment, specialized or off-the-shelf software, documents, data and all other materials that were provided by the Government for the Contractor to use to complete the assigned tasks.

C.8 Security Requirements

Contractors shall follow the security requirements identified in the “Security” subsection of the Blanket Purchase Agreement.

The Contractor shall follow the procedures identified in Publication 4812, *Contractor Security Controls*. Publication 4812 is available at <https://www.irs.gov/about-irs/procurement/publication-4812-contractor-security-controls>.

The Contractor shall follow the procedures identified in the Internal Revenue Manual (IRM), including but not limited to IRM 10.8.1, Information Technology (IT) Security - Policy and Guidance. A redacted publicly available version of the IRM is available at <https://www.irs.gov/irm>.

Any contractor personnel assigned to this Task Order shall complete a Non-Disclosure Agreement (NDA).

This Task Order will involve the design, development or operation of prototype/proof-of-concept applications that will process data covered by a Privacy Act system of records.

(b)(4)

(b)(4)

(b)(4)

Privacy Act System of Records Number: All work order activities involving the use of SBU information shall be completed under the routine use clause of SORN Treasury/IRS 42.021 entitled Compliance Programs & Projects Files.

C.9 Payment Schedule

The Contractor shall propose an invoicing and payment schedule consisting of equal monthly payments throughout this Task Order’s Period of Performance. The contractor shall invoice partial months on a prorated basis.

The contractor shall submit invoices for this Task Order via the Invoice Processing Platform (IPP) no later than the third calendar day of each month.

C.10 Points of Contact

(b)(6)

IR1052.239-9008 Section 508 Information, Documentation and Support (SEP 2006)

In accordance with 36 CFR 1194, Subpart D, the electronic information technology (EIT) products and product support services furnished in performance of this contract shall be documented to indicate the current conformance level with Section 508 of the Rehabilitation Act of 1973, per the 1998 Amendments, and the Architectural and Transportation Barriers Compliance Board's Electronic and Information Technology Accessibility Standards. At no time during the performance of the award shall the level of conformance go below the level of conformance in place at the time of award. At no additional cost, the contractor shall provide information, documentation, and support relative to the supplies and services as described in Section J, Attachment [Fill in]. The contractor shall maintain this detailed listing of compliant products for the full contract term, including forms of extensions, and shall ensure that it is current within five calendar days after award and within three calendar days of changes in products being utilized as follows:

- (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.
- (b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.

- (c) Support services for products shall accommodate the communication needs of end-users with disabilities.

(End of clause)

IR1052.239-9009 Section 508 Conformance (SEP 2006)

Each electronic and information technology (EIT) product and/or product related service delivered under the terms of this contract, at a minimum, shall conform to the applicable accessibility standards at 36 CFR 1194 at the level of conformance specified in Section J, Attachment [FILL IN].

The following technical standards have been determined to be applicable to this contract:

 x 1194.21, Software applications and operating systems.

 x (a) x (b) x (c) x (d) x (e) x (f) x (g) x (h) x (i) x (j) x (k)
 x (l)

 x 1194.22, Web-based intranet and internet information and applications.

 x (a) x (b) x (c) x (d) x (e) x (f) x (g) x (h) x (i) x (j) x (k)
 x (l) x (m) x (n) x (o) x (p)

 1194.23, Telecommunications products.

 (a) (b) (c) (d) (e) (f) (g) (h) (i)
 (j) (k) (k:1) (k:2) (k:3) (k:4)

 1194.24, Video and multimedia products.

 (a) (b) x (c) x (d) x (e)

1194.41 (a-c) Information, Documentation, and Support (covered by IRSAP 1052.239-9008)

 x x (a) x (b) x (c)

The standards do not require the installation of specific accessibility-related software or the attachment of an assistive technology device, but merely require that the EIT be compatible with such software and devices so that it can be made accessible if so required by the agency in the future.

The following functional performance criteria (36 CFR 1194.31) apply to this contract.

 X (a) At least one mode of operations and information retrieval that does not require user vision shall be provided, or support for assistive technology used by people who are blind or visually impaired shall be provided.

 X (b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for assistive technology used by people who are visually impaired shall be provided.

 X (c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for assistive technology used by people who are deaf or hard of hearing shall be provided.

 X (d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.

 X (e) At least one mode of operation and information retrieval that does not require speech shall be provided, or support for assistive technology used by people with disabilities shall be provided.

X (f) At least one mode of operation and information retrieval that does not require fine motor or simultaneous actions and that is operable with limited reach and strength shall be provided.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1 10

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

| | | | |
|--|--|--|----------------|
| 1. DATE OF ORDER 7/13/2018 | 2. CONTRACT NO. (If any) TIRNO-13-Z-00006 | 6. SHIP TO: | |
| 3. ORDER NO. 2032H8-18-F-00249 | 4. REQUISITION/REFERENCE NO. 5000032898 | a. NAME OF CONSIGNEE Internal Revenue Service | |
| 5. ISSUING OFFICE (Address correspondence to) Internal Revenue Service 5000 Ellin Rd. Lanham, MD 20706 POC: Anthony Reed (b)(6) | | b. STREET ADDRESS 77 K Street NE | |
| | | c. CITY Washington | d. STATE DC |
| | | e. ZIP CODE 20002 | |

| | | | |
|--|----------------|--|--|
| 7. TO: | | f. SHIP VIA Michael Jung | |
| a. NAME OF CONTRACTOR EASTPORT ANALYTICS, INC. | | 8. TYPE OF ORDER | |
| b. COMPANY NAME | | <input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY -- Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract. | |
| c. STREET ADDRESS 1700 N. MOORE STREET | | REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated. | |
| d. CITY ARLINGTON | e. STATE VA | f. ZIP CODE 22209-1913 | |
| 9. ACCOUNTING AND APPROPRIATION DATA See Attached Schedule(s) | | 10. REQUISITIONING OFFICE (b)(6) | |

| | | | | | |
|---|---------------------------|------------------------|---|--------------------|--|
| 11. BUSINESS CLASSIFICATION (Check appropriate box(es)) | | | | 12. F.O.B. POINT | |
| <input type="checkbox"/> a. X SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> b. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB | | | | | |
| 13. PLACE OF | | 14. GOVERNMENT B/L NO. | 15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) | 16. DISCOUNT TERMS | |
| a. INSPECTION DESTINATION | b. ACCEPTANCE DESTINATION | N/A | 01/12/2019 | | |

17. SCHEDULE (See reverse for Rejections)

| ITEM NO (a) | SUPPLIES OR SERVICES (b) | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
|----------------|--|-------------------------|-------------|-------------------|---------------|--------------------------|
| 4001 | <p>This task order is being issued in accordance with the Performance Work Statement herein and the contractor's revised proposal dated July 9, 2018.</p> <p>Period of Performance is July 13, 2018 - January 12, 2019.</p> <p>Advanced ARL Sandbox support as outlined in the PWS herein.</p> <p>Note: The contractor will bill monthly: Local travel will not be reimbursed.</p> | 0001 | EA | (b)(4) | (b)(4) | (b)(4) |

| | | | | | |
|-------------------------------------|---|---------------------------|-----------------|--|-----------------------------|
| SEE BILLING INSTRUCTIONS ON REVERSE | 18. SHIPPING POINT | 19. GROSS SHIPPING WEIGHT | 20. INVOICE NO. | | 17(h) TOT. (Cont. pages) |
| | 21. MAIL INVOICE TO: | | | | |
| | a. NAME Invoices must be submitted via www.IPP.gov | | | | |
| | b. STREET ADDRESS (or P.O. Box) | | | | (b)(4) |
| | c. CITY | d. STATE | e. ZIP CODE | | |

| | | | |
|---|--------|---|-------------------------------------|
| 22. UNITED STATES OF AMERICA BY (Signature) | (b)(6) | Digitally signed by (b)(6) Date: 2018.07.13 10:33:58 -04'00' | 23. NAME (Typed) Mathew Nelker |
| | | | TITLE: CONTRACTING/ORDERING OFFICER |

SUPPLEMENTAL INVOICING INFORMATION

If desired, this order (or a copy thereof) may be used by the Contractor as the Contractor's invoice, instead of a separate invoice, provided the following statement, (signed and dated) is on (or attached to) the order: "Payment is requested in the amount of \$. No other invoice will be submitted." However, if the Contractor wishes to submit an invoice, the following information must be provided: contract number (if any), order number, item number(s), description of supplies or service, sizes, quantities, unit prices, and extended totals. Prepaid shipping costs will be indicated as a separate item on the invoice. Where shipping costs exceed \$10 (except for parcel post), the billing must be supported by a bill of lading or receipt. When several orders are invoiced to an ordering activity during the same billing period, consolidated periodic billings are encouraged.

RECEIVING REPORT

Quantity in the "Quantity Accepted" column on the face of this order has been: inspected, accepted, received by me and conforms to contract. Items listed below have been rejected for the reasons indicated.

| | | | | | |
|--------------------|---------|--------------|---------------|---|------|
| SHIPMENT NUMBER | PARTIAL | | DATE RECEIVED | SIGNATURE OF AUTHORIZED U.S. GOV'T REP. | DATE |
| | FINAL | | | | |
| TOTAL CONTAINERS | | GROSS WEIGHT | RECEIVED AT | TITLE | |

REPORT OF REJECTIONS

| ITEM NO. | SUPPLIES OR SERVICES | UNIT | QUANTITY REJECTED | REASON FOR REJECTION |
|----------|----------------------|------|----------------------|----------------------|
| | | | | |

Blanket Purchase Agreement
Performance Work Statement

Submitted By:
Research, Applied Analytics & Statistics

Advanced Research Lab (ARL) Special Projects Sandbox (SPS)

C.1 Introduction/Overview

The IRS Mission is to provide America's taxpayer top quality service by helping them understand and meet their tax responsibilities and enforce the law with integrity and fairness to all.

To achieve the Mission, the IRS has key strategic goals pertaining to this requirement:

- Empower and enable all taxpayers to meet their tax obligations
- Protect the integrity of the tax system, by encouraging compliance through administering and enforcing the tax code
- Collaborate with external partners proactively to improve tax administration
- Advance data access, usability, and analytics to inform decision making and improve operational outcomes
- Drive increased agility, efficiency, effectiveness, and security in IRS operations

To attain these goals, the IRS created the following strategic objectives:

- Simplify the process of filing, correction, and payment for all taxpayers and their representatives
- Identify and plan for compliance risks proactively
- Reduce the time between filing and compliance issue resolution
- Match potential compliance issues to the most appropriate solution informed by behavioral insights
- Investigate criminal violations of the tax code to enforce accountability and maximize deterrence
- Expand partnerships with foreign governments and international organizations to address global tax compliance concerns
- Update data collection and retrieval capabilities and processes to provide faster authorized access to information
- Improve analytics tools and workforce data competencies across the IRS
- Emphasize the use of data analytics, in conjunction with qualitative information, to select high-priority work
- Safeguard taxpayer data and protect the IRS against internal and external threats, with an emphasis on cyber defense

The Office of Research, Applied Analytics & Statistics (RAAS) Mission is to lead a data driven culture through innovative and strategic research, analytics, statistics, and technology services to support effective and efficient tax administration in partnership with internal and external stakeholders.

The IRS' Enterprise Research Plan presents the most significant near-term research initiatives in the IRS. It identifies ongoing and planned projects, programs, and infrastructure advances from throughout the IRS research community.

To support the IRS strategic goals and objectives, RAAS' Mission, and the Enterprise Research Plan, RAAS created and maintains the Advanced Research Lab (ARL), a sandbox environment with a broad suite of analytic assets (servers, software, and tools) that assist IRS in identifying noncompliance.

IRS seeks contractor support for subset of the ARL known as the "ARL Special Projects Sandbox (ARL SPS)".

C.2 Background

RAAS created the ARL to support IRS with analytic tools, capabilities, and people that deliver insights into the toughest and most complex compliance challenges. The ARL is a secure virtual and physical environment that promotes the comingling and analysis of ad hoc, third party, and internal data sources. The ARL facilitates collaborative research across multiple IRS compliance divisions and promotes rapid, comprehensive, and repeatable analytical results. The ARL supports analysts, agents, examiners, and auditors to research and investigate difficult and pressing issues facing IRS Business Operating Division mission areas (b)(4)

Work in the ARL Special Projects Sandbox (ARL SPS) has produced the following capabilities:

- **Taxpayer Identification** - One powerful tool developed in the ARL SPS offers Taxpayer Identification Number (TIN) resolution. Many of the ARL SPS engagements with various BODs start out as a need to identify taxpayer TINs, which are usually required to perform comprehensive compliance analysis. The TIN resolution tool quickly and effectively identifies individual TINs (b)(4)
Advanced algorithms compare related records to help identify taxpayer TINs by searching through hundreds of millions of records. This process uses accuracy thresholds which can be adjusted to allow comparisons for matches that are less than 100% exact, incomplete, or contain typos. The search algorithms developed within the ARL SPS are constantly being refined and enhanced as new data sets are added. The process continues to improve, producing significant increases in taxpayer resolution.
- **Processing Unstructured Data** - The ARL SPS has contributed to the development of a series of processes and tools aimed at exploiting massive volumes of disparate, unformatted, semi-structured, and unstructured data. Several ongoing initiatives utilize this capability. As a result, the insights uncovered provide analysts and agents with a more complete understanding of a given taxpayer population as well as the ability to identify specific cases where noncompliance is suspected. This effort has successfully tied together internal IRS data sources with large unstructured external third-party data to make comparisons between many different data sources. Further, this effort extensively works with unstructured datasets, transforming them into usable resources for analysts, agents, and

managers and has demonstrated immense value and reduction in labor hours by providing agents and analysts with an organized method to explore massive amounts of unstructured data.

- **Incorporating Third-Party Data** - An in-depth analyses and profiling on international data sources to understand underlying compliance indicators for unique international populations. One analytic technique employed automatically matches international data with specified IRS or third-party databases to identify compliance indicators and accurately estimate potential revenue owed by individuals within international populations. Using past years' audit results, this capability has been able to improve the understanding of international non-compliance and selection techniques which in turn uncover more efficient methods to exploit international data.
- **Task Automation** - Tools that specialize in automating manual tasks. Whether it is taxpayer identification lookup, workload prioritization, dataset retrieval, data cleansing, reporting, analysis, or other time-consuming tasks, these tools help users focus on producing impactful results.
- **Analytic Tools** - The ARL SPS environment provides a means to test analytic tools and techniques that can be used to support various types of research, econometric modeling, forecasting, and compliance studies based on the analysis of Internal Revenue Service. The ARL SPS houses an "Intelligence Repository" that collects, stores, and maintains records, files, and data necessary to help build a 360-degree view of a given taxpayer. These indexes currently contain over 500 million records relevant to various tax populations and continue to grow as additional datasets are imported into the intelligence repository. This helps to improve analysis and examination of taxpayer behavior to rapidly detect existing, new, and emerging cases of non-compliance. A few examples of the type of analyses performed in the environment include identifying suspect companies by comparing similar patterns of known behaviors of interest; finding suspect relationships between individuals and businesses; analyzing trends and patterns within unique taxpayer populations; the use of tax shelters by businesses; identifying businesses with unusually low effective tax rates; and comparing transactions over time from one year to the next.

C.3 Scope

The IRS requires the contractor to perform the roles of systems administration, database administration, and network administration on ARL Special Projects Sandbox assets as required to maintain existing functionality.

C.4 Tasks and Deliverables

Task 1: Initial Kick Off Meeting

The Contractor shall conduct a Kick Off Meeting within 5 business days of contract award.

Deliverable 1.1: Kick Off Meeting Minutes (Microsoft Word 2016)

Task 2: ARL Special Projects Sandbox Data Support & Analysis

The contractor shall conduct any data extraction and analysis as required to maintain all existing capabilities already in place within the ARL SPS. This includes but is not limited to analysis for all existing functionality linked to (b)(4) and data extraction work.

Deliverable 2.1: ARL SPS Data Support & Analysis Monthly Status Report (Microsoft Word or PowerPoint 2016)

Task 3: ARL Special Projects Sandbox Administration

The ARL Special Projects Sandbox includes assets as described in the following: servers (running a range of operating systems like Windows Server, Linux, etc.), software (both Open Source – like Stanford NLP – and COTS – like Microsoft SQL Server), storage (SAN and DAS), and network (firewalls, switches, etc.).

The Contractor shall perform the functions of systems administration, database administration, and network administration on the assets in the ARL SPS. The Contractor shall install, upgrade, and maintain hardware and software used in the ARL SPS. The Contractor shall provide security controls on developed prototype tools, IRS data, user access, and policy checkers. The Contractor shall support modernization of the ARL SPS infrastructure as new servers become available. The Contractor shall back up files onto the ARL SPS shared server where all contractor work shall be loaded. The Contractor shall document processes and procedures and load them to the ARL Information Portal.

The Contractor shall produce a monthly status report in Microsoft Word or PowerPoint 2016 format detailing the administration and maintenance work completed in the previous month and anticipated work in the upcoming months. The Contractor shall present the information within the report to RAAS senior staff each month during the Period of Performance of this Task Order.

Deliverable 3.1: ARL SPS Sandbox Administration Monthly Status Report (Microsoft Word or PowerPoint 2016)

Deliverable 3.2: ARL SPS Maintenance Monthly Status Meetings (Microsoft Word or PowerPoint 2016)

Deliverable 3.3: ARL SPS Processes and Procedures (Microsoft Word 2016)

Task 4: Transition to Support

The Contractor support process shall include, but not be limited, to the following:

Examples:

- Knowledge transfer of technical skills and lessons learned to IRS staff upon completion of deliverables and work products.
- Operations and maintenance processes and procedures.

- Transfer of complete documentation for all delivered functionality. Deliverables shall be in softcopy and hardcopy format and shall be the sole property of the federal Government. The format of deliverables will be provided in a format which will allow the Project Office to modify and update when/if necessary.

- Knowledge transfer of configurable data including user names and passwords and application settings

Deliverable 4.1: Complete Knowledge Transfer Documentation.

C.5 Delivery Schedule

| Deliverable | Format | Deliver To | Schedule |
|--|---|--|---|
| 1.1 Kick Off Meeting Minutes | Microsoft Word 2016 | COR, Government Technical Manager, Meeting Attendees | Within 1 Business Day of Kick Off Meeting |
| 2.1 ARL SPS Data Support & Analysis Monthly Status Report | Microsoft Word or PowerPoint 2016 | COR, Government Technical Manager, RAAS Senior Staff | Monthly on day agreed upon between COR and Contractor |
| 3.1 ARL SPS Sandbox Administration Monthly Status Report | Microsoft Word or PowerPoint 2016 | COR, Government Technical Manager, RAAS Senior Staff | Monthly on day agreed upon between COR and Contractor |
| 3.2 ARL SPS Maintenance Monthly Status Meetings | - | - | Monthly on day agreed upon between COR and Contractor |
| 3.3 ARL SPS Processes and Procedures | Microsoft Word 2016 | ARL Information Portal | As Needed |
| 4.1 Complete Knowledge Transfer Documentation. | Microsoft Word 2016 (programs/scripts can be maintained in their native file format) | COR, Government Technical Manager, ARL Information Portal | No later than 5 days prior to the end of Period of Performance |

| Deliverable | Format | Deliver To | Schedule |
|-------------|--------|------------|----------|
|-------------|--------|------------|----------|

C.6 Place of Performance

The contractor shall primarily perform work at the contractor's facility using secure IRS equipment.

Upon issuance of interim or final staff-like access memoranda and completion of required security training, contractors shall be granted staff-like access to IRS space at 77 K St NE, Washington, DC to perform work.

At least 50% of work shall be completed at the government's site. The remainder of work can be completed at the contractor's site providing it is within reasonable access to the government site (contractor personnel can travel to government site for meetings within two hours' notice).

As directed, the Contractor may occasionally be required to perform work and/or attend meetings at other government buildings in the Washington, DC and Martinsburg, WV metropolitan areas.

C.7 Period of Performance

The Period of Performance shall be: 7/13/2018 through 1/12/2019.

C.8 Government Furnished Property (GFP)

IRS shall furnish the following to each Contractor:

- HSPD12 badge
- IRS laptop
- Statistical tools such as SAS, Python, and/or R
- IRS intranet access and email account
- Ad hoc workspace at 77 K St NE, Washington, DC with desks, chairs, phones, voicemail, network connections, and standard office equipment
- As determined by agreement between the Government and the Contractor, the Government shall provide information that may be required in the successful performance of any task(s).

At the completion of the Task Order or within 1 working day of COR request (whichever comes first), the Contractor shall return any Government provided equipment, specialized or off-the-shelf software, documents, data and all other materials that were provided by the Government for the Contractor to use to complete the assigned tasks.

C.9 Security Requirements

The Contractor shall follow the security requirements identified in the "Security" subsection of the Blanket Purchase Agreement.

The Contractor shall follow the procedures identified in Publication 4812, *Contractor Security Controls*. Publication 4812 is available at <https://www.irs.gov/about-irs/procurement/publication-4812-contractor-security-controls>.

The Contractor shall follow the procedures in the Internal Revenue Manual (IRM), including but not limited to the Sections in IRM 10.8, Information Technology (IT) Security. A redacted publicly available version of the IRM is available at <https://www.irs.gov/irm>. Upon being granted staff-like access, Contractor personnel may review unredacted IRM sections on a need-to-know basis at <http://irm.web.irs.gov>.

All work must be completed on IRS equipment unless express written permission is given by RAAS Executive leadership.

Contractor personnel shall complete a Non-Disclosure Agreement (NDA).

This Task Order will involve the design, development or operation of prototype/proof-of-concept applications that will process data covered by a Privacy Act system of records.

SBU taxpayer data expected to be used in the performance of this Task Order includes, but is not limited to:

(b)
(4)

(b)(4)

Privacy Act System of Records Number: All work order activities involving the use of SBU information shall be completed under the routine use clause of SORN Treasury/IRS 42.021 entitled Compliance Programs & Projects Files.

C.10 Payment Schedule

The Contractor shall propose an invoicing and payment schedule consisting of equal monthly invoices, occurring at the end of each month. The contractor shall prorate any partial month invoices.

C.11 Government Technical Manager (GTM)

The GTM reviews the progress of the contractor's efforts and provides technical guidance to the Contractor's Project Manager for this Task Order.

The GTM's technical guidance shall not effect a contractual change in the Task Order. Such changes must be executed by the Contracting Officer as a Modification to the Task Order.

Government Technical Manager (GTM)

(b)(6)

C.12 Points of Contact

Primary Contracting Officer's Representative (COR)

(b)(6)

Backup Contracting Officer's Representative (COR)

(b)(6)

Contract Specialist

(b)(6)

Contracting Officer

(b)(6)

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TO28 ARL Special Projects Sandbox Executive Briefing Report

| | | |
|------------------------------|-------------------------|---------------------------|
| TO28 ARL SPS | TIRNO-13-Z-00006 | Eastport Analytics |
| Reporting Period | From: 07/13/2018 | To: 1/15/2019 |
| COR Name & Phone | | |
| Task Manager Name | | |
| Eastport Contact Name | | |

(b)(6)

1. TO28 Executive Level Accomplishments (July 2018 to January 2019)

Deliverables

- **Deliverable 1.1 Kick-Off Meeting Minutes**
 - TO28 Kick-Off meeting conducted 18 July 2018
 - Kick-Off meeting minutes distributed in Microsoft Word format on July 19, 2018
- **Deliverable 2.1 ARL SPS Data Support & Analysis Monthly Status Report**
 - Submitted every month from July 2018 to January 2019
- **Deliverable 3.1 ARL SPS Sandbox Administration Monthly Status Report**
 - Submitted every month from July 2018 to January 2019
- **Deliverable 3.2 ARL SPS Maintenance Monthly Status Meetings**
 - Facilitated monthly meeting at Monthly EA Briefing from July 2018 to January 2019
- **Deliverable 3.3 ARL SPS Processes and Procedures**
 - All ARL SPS Processes and Procedure documents submitted to [redacted] and [redacted] on December 6, 2018
 - Topics included:
 - Deliverable 3.3 ARL SPS Processes and Procedures
 - Deliverable 4.1 ARL SPS Knowledge Transfer
 - CDW Query Manager
 - [redacted] data ingest
 - [redacted] data ingest
 - User administration to the ARL
 - ARL Server Configuration
 - [redacted] Index Update
 - ARL SPS applications list with server location
- **Deliverable 4.1 Complete Transfer Documentation**
 - Completed in-person walkthrough of documents with RAAS on December 19, 2018
 - Approval submitted by [redacted] on December 19, 2018

(b)(6)

2. Key Accomplishments

- Held numerous planning discussions on new server upgrade. The understanding is the ARL SPS environment is to receive 4 new servers.
 - Eastport is awaiting access to the new servers until migration can initiate
 - Once migration completes, Eastport will have a timeline before powering down legacy servers
- Completed bi-annual [redacted] data ingest refresh in the ARL environment on October 24

eastportanalytics

- (b)(4)
(b)(6)
- Provided ongoing system support to Rahul Tikekar to self-execute the Business application against [REDACTED] effort is yet to be completed
 - A ticket is open for [REDACTED] to resolve connection issues [REDACTED] before this effort can continue
 - Developed project plan for advanced analytics improvement activities
 - Performed a range of support activities for user administration across the ARL environment including disabling access to expired accounts, adding new users and reactivating disabled accounts (b)(6)
 - Held multiple discussions with special agent, [REDACTED] at Criminal Investigations with the Eastport solutions team to better understand challenge of the number of files she must meticulously review and identify entity relationships
 - Opportunity named **IRS CI International Text Analytics**
 - On December 2018 CI management cancelled opportunity due to data privacy constraints
 - Provided minor assessment and planning efforts for streamline special project initiative

NOVEMBER 2018 STATUS REPORT – TO 27

Summary- TO27 International Sandbox

We started the last analysis and assessment tasks for TO27 in November including the Streamlined Filing Backlog population Assessment, the [redacted] Easy Search Assessment, [redacted] Campaign Develop and Analysis Support, as well as the analysis of [redacted] selection rates for industry specific EINs, providing CD&A with a number of recommendations for improving their [redacted] compliance models moving forward. We will be wrapping up all initiatives and conducting project close out activities in preparation for the 12/11/2018 Task Order expiration date

High Level Summary of Activities

Activities Completed in November

- Started assessment of [redacted] Data in CDW to determine what is required to develop a new Easy Search Data Object (b)(4)
- Conducted regular working sessions with Data Analytics Team (b)(4)
- Started Campaign Performance Analysis w/ case data worked through [redacted] to exam outcomes (EOAD & AIMS) (b)(4)
- Performed updates to the [redacted] web-based Training based on [redacted] Program requests (b)(4)
- Complete analysis on [redacted] for Model Improvements- Review classification results for specific model EINs
- Provided IIC Data Analytics with Campaign support for [redacted] by conducting a crosswalk of data sets. [redacted] (b)(4)
- Conducted data gathering and population development for Streamlined Filing Procedures Certification Backlog initiative
- Completed [redacted] Development Sprints 7 & 8

Project Overview

