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Welcome, Lu Anne Cottrill | Procurement | Budgeting | Accounts Receivable | Accounts Payable

Solicitation Response(SR) | **Dept:** 0203 | **ID:** ESR05132000000006646 | **Ver.:** 1 | **Function:** New | **Phase:** Final | ⬇ | **Modified by** batch , 05/13/2020

Header 📎 3

List View

| General Information | Contact | Default Values | Discount | Document Information |

Procurement Folder: 686609

Procurement Type: Central Master Agreement

Vendor ID: VS0000010082 ⬆

Legal Name: MSys Inc

Alias/DBA:

Total Bid: $744,640.00

Response Date: 05/13/2020

Response Time: 11:18

SO Doc Code: CRFQ

SO Dept: 0203

SO Doc ID: CPR2000000004

Published Date: 5/7/20

Close Date: 5/13/20

Close Time: 13:30

Status: Closed

Solicitation Description: Addendum No.1 Professional Application Developers for COMPAS

Total of Header Attachments: 3

Total of All Attachments: 3

Proc Folder : 686609

Solicitation Description : Addendum No.1 Professional Application Developers for COMPAS

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-05-13 13:30:00	SR 0203 ESR05132000000006646	1

VENDOR
VS0000010082
MSys Inc

Solicitation Number: CRFQ 0203 CPR2000000004

Total Bid : $744,640.00 **Response Date:** 2020-05-13 **Response Time:** 11:18:27

Comments:

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey

(304) 558-0094
melissa.k.pettrey@wv.gov

Signature on File	FEIN #	DATE

All offers subject to all terms and conditions contained in this solicitation

FORM ID : WV-PRC-SR-001

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Temporary information technology software developers				$744,640.00

Comm Code	Manufacturer	Specification	Model #	
80111608				

Extended Description :	Temporary information technology software developers

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Temporary information technology software developers				$744,640.00

Proc Folder: 686609

Doc Description: Professional Application Developers for COMPASS

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No		Version
2020-04-29	2020-05-13 13:30:00	CRFQ 0203 CPR2000000004		1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON   WV   25305
US

VENDOR

Vendor Name, Address and Telephone Number:

MSys, Inc.
1025 Connecticut Ave, NW Suite 1000, Washington, DC 20036
Phone: (202) 629-0353 x 701
Corporate Phone Number 919-234-7581
Fax: 510-280-7352

FOR INFORMATION CONTACT THE BUYER

Melissa Pettrey
(304) 558-0094
melissa.k.pettrey@wv.gov

Signature X _(signature)_   FEIN # 56-1862003   DATE May 13, 2020

All offers subject to all terms and conditions contained in this solicitation

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the Consolidated Public Retirement Board (CPRB) to establish a contract for two (2) Professional Application Developers for the COMPASS System. These contractors will provide application development services to maintain, enhance, and support the ongoing operations of the COMPASS system per the specifications, bid requirements and terms and conditions as attached hereto.

INVOICE TO	SHIP TO
CONSOLIDATED PUBLIC RETIREMENT 4101 MACCORKLE AVE SE CHARLESTON WV 25304 US	CONSOLIDATED PUBLIC RETIREMENT 4101 MACCORKLE AVE SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Temporary information technology software developers				

Comm Code	Manufacturer	Specification	Model #
80111608			

Extended Description :

Temporary information technology software developers

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

☑ A pre-bid meeting will not be held prior to bid opening

☐ A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: 05/05/2020 @ 3:00 P.M.

Submit Questions to: Melissa Pettrey, Senior Buyer
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: melissa.k.pettrey@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: Professional Application Developers for COMPASS
BUYER: Melissa Pettrey, Senior Buyer
SOLICITATION NO.: CRFQ CPR2000000004
BID OPENING DATE: 05/13/2020
BID OPENING TIME: 1:30 P.M.
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus _____N/A_____convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)
☐ Technical
☐ Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: 05/13/2020 @1:30 P.M.

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the

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equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

☐ This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the $125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:
http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or

minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance."

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b."

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least $1 Million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or **"Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or **"Proposal"** means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or **"Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☑ **Term Contract**

Initial Contract Term: **Initial Contract Term:** This Contract becomes effective on
_____UPON AWARD_____ and extends for a period of _____ONE (1)_____ year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____THREE (3)_____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____
successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

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4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☑ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under $100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

☐

☐

☐

☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

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8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

☑ **Commercial General Liability Insurance** in at least an amount of: ____$1,000,000.00____ per occurrence.

☐ **Automobile Liability Insurance** in at least an amount of: _____per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

☐

☐

☐

☐

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ _____ for _____

☐ Liquidated Damages Contained in the Specifications

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

> **SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/default.html.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

> **SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"), provided that both the Other Government Entity and the Vendor agree. Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

39. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

40. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☑ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

41. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Revised 01/09/2020

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

    a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.

    b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

    c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars ($2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

    d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars ($50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a

"substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

44. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least $1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

45. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Raj Thiyagarajan, President
(Name, Title)

(Printed Name and Title)
1025 Connecticut Ave, NW Suite 1000, Washington, DC 20036
(Address)
_(202) 629-0353 x 701 / 510-280-7352_
(Phone Number) / (Fax Number)
bw@msysinc.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

MSys, Inc.
(Company)

(Authorized Signature) (Representative Name, Title)

Raj Thiyagarajan, President
(Printed Name and Title of Authorized Representative)

May 13, 2020
(Date)

_(202) 629-0353 x 701 / 510-280-7352_
(Phone Number) (Fax Number)

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the Consolidated Public Retirement Board (CPRB) to establish a contract for two (2) Professional Application Developers for the COMPASS System. These contractors will provide application development services to maintain, enhance, and support the ongoing operations of the COMPASS system.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

   2.1 "Business Hours" means Monday – Friday 8:00 AM to 5:00 PM EST excluding weekends and Federal and State holidays, which are as follows:

   - New Year's Day (January 1)
   - Martin Luther King Day (Third Monday in January)
   - President's Day (Third Monday in February)
   - Memorial Day (Last Monday in May)
   - West Virginia Day (June 20)
   - Independence Day (July 4)
   - Labor Day (First Monday in September)
   - Columbus Day (Second Monday in October)
   - Veterans Day (November 11)
   - Thanksgiving (Fourth Thursday in November)
   - Day After Thanksgiving (Fourth Friday in November)
   - Christmas Day (December 25)

   2.2 "Contract Services" means Application Developer contractors to provide application development services to maintain, enhance and support the ongoing operations of the COMPASS system as more fully described in these specifications.

   2.3 "Contractor" means the Vendor's candidates for this Professional Application Developers solicitation.

   2.4 "Pricing Page" means the pages, contained in wvOASIS or attached hereto as Exhibit A, upon which Vendor should list its proposed price for the Contract Services.

   2.5 "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

3. CURRENT ENVIRONMENT:

3.1. In 2017 the Consolidated Public Retirement Board implemented COMPASS to modernize and replace the legacy application for its membership management and pension administration system. COMPASS was built utilizing the .NET 4.5 Framework with VB.NET as the main language. The underlying data is stored in a Microsoft SQL Server 2012 instance.

4. MANDATORY QUALIFICATIONS:
Vendor, or Vendor's staff if requirements are inherently limited to individuals rather than corporate entities, shall have the following minimum qualifications:

4.1. The Vendor must provide documentation to validate the following requirements (see Exhibit B).

4.1.1. The Vendor must provide two Application Developer Contractors with prior experience in the following applied knowledge and skillsets:
- **4.1.1.1.** Microsoft Visual Studio 2013
- **4.1.1.2.** VB.NET
- **4.1.1.3.** XML
- **4.1.1.4.** ASP.NET
- **4.1.1.5.** CSS
- **4.1.1.6.** HTML
- **4.1.1.7.** JavaScript
- **4.1.1.8.** SQL Server 2012
- **4.1.1.9.** SQL Server Reporting Services (SSRS)

4.1.2. The Vendor must provide two Application Developer Contractors each with a minimum of two (2) years of paid experience working on application VB.NET development projects. The Application Developer Contractors must provide details of experience in participating in the following:

- Debugging Code and coding for existing systems within Microsoft Visual Studio 2013.
- Documenting in code an explanation of the code changes made throughout the development process
- Working on a team with business analysts to define new features that the contractor must then code and integrate with existing systems
- Working on a team with developers to upgrade and configure existing Code

- Software testing, including system integration and regression testing, to ensure application changes continue to meet the business needs.

4.1.3. The Vendor must provide Application Developer Contractors with a Bachelor of Science degree from an accredited college or university in computer science or related field including.

4.1.3.1. If the Vendor is providing Application Developer Contractors with a Bachelor of Science degree in Computer Science, then they should submit a copy of their diploma with their bid. However, this document will be required prior to contract award.

4.1.3.2. If the Vendor is providing Application Developer Contractors with a Bachelor of Science degree in a related field, then they should provide transcripts highlighting the applicable courses. However, this document will be required prior to contract award.

5. MANDATORY REQUIREMENTS:

5.1 Mandatory Contract Services Requirements and Deliverables: Contract Services must meet or exceed the mandatory requirements listed below.

5.1.1 **Contract Services #1 – Professional Application Developers:** The Vendor must provide Application Development contractors to modify/enhance COMPASS as needed to meet the ongoing operational needs of the State of WV Consolidated Public Retirement Board. The Contractors will be responsible for the following:

5.1.1.1 Making required code changes to modify/enhance COMPASS to meet the ongoing operational needs of the agency.

5.1.1.2 Utilizing Visual Studio to track code change requests, source code versioning, and document changes to source code as well as related design documents. These code changes can include changes to the Database utilizing SQL Server 2012.

5.1.1.3 Assisting other team members in troubleshooting application related issues.

5.1.1.4 Working with the IT team to complete all assigned code change requests within the monthly deployment time frames. This means all new code has been unit tested by the contractor and results validated with a business user prior to deployment.

5.1.1.5 Working with the Business Team to complete issue triage. This means actively responding to assigned Code change requests, identifying specific occurrences of issues, reviewing documented samples of an issue and actively seeking out a code fix if applicable.

5.1.2 **Deliverables:** The Contractors will provide deliverables as proof of ongoing work:

5.1.2.1 The Contractors will work within Visual Studio to check-in their code changes, document the results of the change in code and sample test IDs used to validate the updates made by the contractor to be migrated from integration testing.

5.1.2.2 The Contractors will email the CPRB Chief Technology Officer or his designee an itemized progress update on their assigned and outstanding code change requests. This email communication will inform management on the status of each issue, the expected turnaround time for each issue assigned to the contractor and challenges they are facing in addressing code change.

5.1.2.3 Contractors must be able to provide user documentation of any steps taken to resolve issues along with any code changes if applicable. If code changes are applicable; detailed annotations of the code changes referencing their change request IDs must be made in source code prior to deployment.

5.1.3 Vendor must include in their bid the cost of optional Annual renewals for years 2, 3, and 4. These optional Annual renewals will be initiated on Agency request authorized under the authority of the Purchasing division.

5.1.4 Application Developers will be interviewed by agency's lead developer post award to review the technical expertise outlined in 5.1.1

5.1.5 **Health Insurance Portability and Accountability Act:** In addition to what is covered by the Confidentiality in the General Terms and Conditions included with this solicitation, Vendor and any candidate they provide may be required to sign the HIPAA/Business Associate Addendum with an Appendix 1, which indicates the specific Protected Health Information (PHI), specifically written for the project for which CPRB is requesting the candidate, prior to issuance of any delivery order. A copy of the form (without the specific PHI in Appendix 1) is available on the website referenced in the Confidentiality term. The HIPAA/Business Associate Addendum is required prior to award of the Contract.

5.1.6 **Independent Contractor Status:** The purpose of this contract is to obtain temporary services that are provided by individuals or entities as independent contractors and not as employees of the State of West Virginia. The distinction between an independent contractor and an employee is complex and can require an analysis of 20 or more factors relating to the circumstances of each contract. The Internal Revenue Service and the U.S. Department of Labor have provided guidance on this issue at:

5.1.6.1 Internal Revenue Service (IRS): http://www.irs.gov/pub/irs-pdf/p15a.pdf

5.1.6.2 Internal Revenue Service (IRS): http://www.irs.gov/Businesses/Small-Businesses-&-Self-Employed/Independent-Contractor-Self-Employed-or-Employee

5.1.6.3 Department of Labor (DOL): http://www.dol.gov/elaws/esa/flsa/docs/contractors.asp

Prior to utilizing the services available under this contract, the requestor must ensure that factors relating to the broad categories of behavioral control, financial control, and the type of relationship between the state and the temporary worker will not cause the independent contractor relationship to be construed as an employee/employer relationship. Items that must be considered include but are not limited to, the degree of control exercised by the State over the temporary worker relating to performance of the job and the degree to which the temporary worker is integrated into the State's system. The Purchasing Division recommends that the requestor review the IRS and DOL publications found at the links above and obtain further assurance from their respective internal legal counsel to maintain the independent contractor status of individuals and entities hired under this contract.

6. CONTRACT AWARD:

6.1 Contract Award: The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

CONTRACT WILL BE EVALUATED ON ALL LINES BUT ONLY AWARDED ON FIRST YEAR.

Renewal options for years 2, 3, and 4 will be initiated by the Agency, agreed to by the Vendor and processed by the West Virginia Purchasing Division as Change Orders for subsequent years.

6.2 Pricing Page: Vendor should complete the Pricing Page and pricing section on wvOASIS by providing an hourly rate as the unit cost. Vendor should complete the Pricing Page in full without altering the number of rows and columns. Vendor should type or electronically enter the Unit Cost for each line item in the Pricing Page through wvOASIS, if available, or as an electronic document. Failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

7. PERFORMANCE: The Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency. If this Contract is designated as an open-end contract, Vendor shall perform in accordance with the release orders that may be issued against this Contract.

8. PAYMENT: Agency shall pay an hourly rate, as shown on the Pricing Pages, for all Contract Services performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

9. **TRAVEL:** Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on Vendor's bid, but such costs will not be paid by the Agency separately.

10. **FACILITIES ACCESS:** Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. If access cards and/or keys are required:

   10.1. Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.

   10.2. Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.

   10.3. Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

   10.4. Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

   10.5. Vendor shall inform all staff of Agency's security protocol and procedures.

11. **VENDOR DEFAULT:**

   11.1. The following shall be considered a vendor default under this Contract.

      11.1.1. Failure to perform Contract Services in accordance with the requirements contained herein.

      11.1.2. Failure to comply with other specifications and requirements contained herein.

      11.1.3. Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

      11.1.4. Failure to remedy deficient performance upon request.

   11.2. The following remedies shall be available to Agency upon default.

      11.2.1. Immediate cancellation of the Contract.

      11.2.2. Immediate cancellation of one or more release orders issued under this Contract.
      11.2.3. Any other remedies available in law or equity.

12. MISCELLANEOUS:

12.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Raj Thiyagarajan, President

Telephone Number: (202) 629-0353 x 701

Fax Number: 510-280-7352

Email Address: bw@msysinc.com

EXHIBIT A - Pricing Page

Contract Item	Description	Unit of Measure	Estimated Quantity	Unit Cost	Extended Cost
5.1.1.1	Contract Services #1 – Professional Application Developers	Hourly	2080	$88.00	$ 183,040.00 -
5.1.1.1	Optional Renewal Year 2 for Contract Services #1 – Professional Application Developers	Hourly	2080	$89.00	$ 185,120.00 -
5.1.1.1	Optional Renewal Year 3 for Contract Services #1 – Professional Application Developers	Hourly	2080	$90.00	$ 187,200.00 -
5.1.1.1	Optional Renewal Year 4 for Contract Services #1 – Professional Application Developers	Hourly	2080	$91.00	189,280.00 $ -
			Total Cost		$ 744,640.00 -

Documentation of Work Experience

As per section 4: mandatory qualifications; the vendor must provide documentation to validate the following requirements. Exhibit B – Required Documentation Verification Form must be completed in its entirety and should be submitted with vendor's bid response, and must be submitted prior to award.

Skillsets

4.1.1   The Vendor must provide a Senior Applications Developer contractor with prior experience in the following applied knowledge and skillsets.
- Microsoft Visual Studio 2013
- VB.NET
- XML
- ASP.NET
- CSS
- HTML
- JavaScript
- SQL Server 2012
- SQL Server Reporting Services (SSRS)

Project and Work Experience

4.1.2   The Vendor must provide a Senior Applications Developer Contractor with a minimum of two (2) years of paid experience working on projects in each of the following applications:
- Debugging Code and coding for existing systems within Microsoft Visual Studio 2013.
- Documenting **in** code an explanation of the code changes made throughout the development process
- Working on a team with business analysts to define new features that the contractor must then code and integrate with existing systems
- Working on a team with developers to upgrade and configure existing Code
- Software testing, including system integration and regression testing, to ensure application changes continue to meet the business needs

Concurrent experience is acceptable and must be documented on the applicable Required Documentation Verification Forms (Exhibit B).

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EXHIBIT B – Required Documentation Verification Form

The Applications Developer Contractor must provide project information, their role, the utilized skillsets from section 4.1.1 and experience as described in section 4.1.2.
Please complete your information. Do not handwrite the information below.

Project1:	
Duration:	
Role performed on Project:	
Explanation of work performed using Skillsets in 4.1.1	
Project 2:	
Duration:	
Role performed on Project:	
Explanation of work performed using Skillsets in 4.1.1	
Project 3:	
Duration:	
Role performed on Project:	
Explanation of work performed using Skillsets in 4.1.1	
Project 4:	
Duration:	
Role performed on Project:	
Explanation of work performed using Skillsets in 4.1.1	

Note: If more room is needed then attach remaining information on a separate sheet.

OT18002

EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 - Debugging Code for existing systems within Microsoft Visual Studio 2013. Documenting code changes consistently throughout the development process

Previous Project: _____

Project Start Date: _____ Date Completed: _____

Project Description: _____

_____

_____

_____

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_____

Contractor's Role: _____

_____

Skillsets Utilized: _____

_____

_____

_____

Location: _____

Project URL: _____
<div align="center">(if applicable)</div>

Project Manager / Supervisor: _____

Phone Number: _____

Email Address: _____

OT18002

EXHIBIT B – Required Documentation Verification Form

Note: If more room is needed then attach remaining information on a separate sheet.

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EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 -Working on a team with business analysts to define new features that the contractor must then code and integrate for existing systems

Previous Project:

Project Start Date: Date Completed:

Project Description:

Contractor's Role:

Skillsets Utilized:

Location:

Project URL:

(if applicable)

Project Manager / Supervisor:

Phone Number:

Email Address:

OT18002

EXHIBIT B – Required Documentation Verification Form

EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 -Working on a team with developers to upgrade and configure existing code

Previous Project: _____

Project Start Date: _____ Date Completed: _____

Project Description: _____

_____

_____

_____

_____

_____

_____

Contractor's Role: _____

_____

Skillsets Utilized: _____

_____

_____

_____

_____

Location: _____

Project URL: _____
                          (if applicable)

Project Manager / Supervisor: _____

Phone Number: _____

Email Address: _____

OT18002

EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 -Software testing, including system integration and regression testing, to ensure application changes continue to meet the business needs

Previous Project: _____

Project Start Date: _____ Date Completed: _____

Project Description: _____

_____

_____

_____

_____

_____

_____

Contractor's Role: _____

_____

Skillsets Utilized: _____

_____

_____

_____

_____

Location: _____

Project URL: _____

(if applicable)

Project Manager / Supervisor: _____

Phone Number: _____

Email Address: _____

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EXHIBIT B – Required Documentation Verification Form

Note: If more room is needed then attach remaining information on a separate sheet.

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ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

☒ Addendum No. 1   ☐ Addendum No. 6
☐ Addendum No. 2   ☐ Addendum No. 7
☐ Addendum No. 3   ☐ Addendum No. 8
☐ Addendum No. 4   ☐ Addendum No. 9
☐ Addendum No. 5   ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

MSys, Inc.
_____
Company
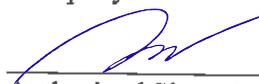
_____
Authorized Signature

May 13, 2020
_____
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: ___MSys, Inc._____

Authorized Signature: _____ Date: _May 13, 2020_____

State of _____

County of _____, to-wit:

Taken, subscribed, and sworn to before me this ___ day of _____, 20___.

My Commission expires _____, 20___.

AFFIX SEAL HERE   NOTARY PUBLIC _____

Rekha Bhanu Chaitanya Dandu

The Applications Developer Contractor must provide project information, their role, the utilized skillsets from section 4.1.1 and experience as described in section 4.1.2.
Please complete your information. Do not handwrite the information below.

Project1:	**CAPSS (Child and Adult Protective Service System) - State of SC (Department of Social Service)**
Duration:	**March 2016 -Till Date**
Role performed on Project:	**Software Developer II**
Explanation of work performed using Skillsets in 4.1.1	- Responsible for Designing, developing and maintain the custom applications. - Designed Win Forms and web Forms, Console Applications using **VB.NET, C#, ASP.NET, BOOTSTRAP, HTML, CSS, TELERICK CONTROLS** and implemented **client side scripting** using **JavaScript, JQuery**. - Extensively used the Grid view, Data Tables, List views and user Controls to display the data - Used the N-Tire Architecture to develop the Applications UI, BA Layers. - Experience in developing enterprise level Web & Windows applications using Microsoft Visual Studio 2013. - Effectively used **Cookies**, **Session and Query Sting** for users to validate and the connectivity with the database and User role management. - Used **ADO.NET** to connect to data base and to perform DML operations. - Implemented the request and response xml for retrieving the data from the SQL Server - Created JavaScript and jQuery classes functions to validating the data and respond with the alert box. - Used Bootstrap classes and the Panels to avoid the post back and page flickering. - Escalation point for application troubleshooting in case of failures or errors reported by the alert system and responsible for conducting root cause of defects found by client. - Create Complex Stored Procedures, Functions, Views and triggers using TSQL in the **SQL Server2005/2008 R2**. - Created the Batch Process to email the summary process to the provider. - Debugging the application code for the production support and adding the functionality for the existing application. - Created the SSRS reports to the user to view the person, case, Provider data - Worked with team to identify the technical approach to be used and the deliverables to be furnished at the completion of project - Involve in QA procedures, for testing the target data against source data. - Bug fixing based on the priority levels and did production support - Provide project technical status reports.
Project 2:	**ETTCS POR Management (Ethernet to the Cell Site Plan of Record) - AT&T**
Duration:	**Dec 2013-Feb 2016**
Role performed on Project:	**Senior Software Developer**

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Explanation of work performed using Skillsets in 4.1.1	• Responsible for developing custom applications for use in the reporting on and management of a large network program • Develop and maintain an Enterprise application to provide executive reporting of infrastructure projects across North America. • Designed Win Forms and web Forms, Console Applications using **VB.NET, C#, ASP.NET, BOOTSTRAP, SSRS, HTML, CSS, TELERICK CONTROLS** and implemented **client side scripting** using **JavaScript, JQuery**. • Analysis, Design, and Development of the project, including requirements gathering from the users • Develop Web UI elements according to **Model-View-Controller (MVC)** which was based on the usage optimality and the code logic division. • Experience in developing enterprise level Web & Windows applications using Microsoft Visual Studio 2013. • Effectively used **Session** for users to validate and the connectivity with the database and User role management. • Used **ADO.NET** to connect to data base and to perform DML operations. • Implement **Ajax controls, Custom Controls** and **web controls** functionalities in the UI web forms using Ajax Tool Kit. • Create **Grid views for** edit/delete and to display data and **user control** extensively. • Develop and implement various Web Forms, User Controls and Server Controls • Create web part controls, Work flows to include in the Share Point applications for searching the documents up on the user role. • Escalation point for application troubleshooting in case of failures or errors reported by the alert system and responsible for conducting root cause of defects found by client. • Involve in **ETL** architecture and design of data integration from different sources like **ORACLE, XML, Flat files, SQL Server.** • Create Complex Stored Procedures and Functions and transactions using Views in the **SQL Server2005/2008**. • Involve in QA procedures, for testing the target data against source data. • Bug fixing based on the priority levels and did production support • Provide project technical status reports.
Project 3:	**Return Mail/NCOA - Synovus Financial Corp**
Duration:	**April2013-Dec2013**
Role performed on Project:	**Senior .NET Developer**
Explanation of work performed using Skillsets in 4.1.1	• Rewrote the application from windows **VB.Net** intranet application to internet **C#** web application. • Responsible for gathering the requirements, analyzing, designing and developing the project. • Effectively used session management to validate the credentials and role to grant or deny access to the applications. • Created the Data access layer to maintain all the connection to the backend server, Business layer to maintain all the business logic and UI in to interact in **.Net 4.5**. • Implemented the request and response xml for retrieving the data from the SQL Server. • Provide mentorship to a team of CSS Managers, Assistant Managers, Analysts

	• Experience in developing enterprise level Web & Windows applications using Microsoft Visual Studio 2013.
	• Implemented **Ajax controls** and **web controls** functionality in the UI web forms using Ajax Tool Kit.
	• Created the user controls to reuse in multiple applications and input the data and return the values using delegates.
	    • Used **ADO.NET** extensively for DML operations and C# for programming and MVC pattern for designing the web applications.
	    • Developed the Application and making enhancement for the project.
	    • Developed and implemented various Web Forms and User Controls and Server Controls Using ASP.NET.
	    • Created Complex Stored Procedures and Functions and transactions and using Views in the **SQL Server2005, 2008**.
	    • Created the batch process that run daily to archive the data from the main table depending up on the time period.
	    • Created class library to make web service connect ware calls to get, modify and update data in FIS.
	    • Worked on ETL SSIS and created packages to import the data from oracle to sql server.
	    • Created automatic generation of multiple letters in ms word using html for multiple customers to print and send.
	    • Created reports in SSRS for the user to check the Customer updated information and the process Status.
	    • Used server controls to populate the data and to do DML operations.
	    • Extensively worked on bug fixing, deploying and worked on development and production issues of the project.
	    • Created JavaScript functions to validating the data and respond with the alert box.
	    • Used **Ajax** Controls & techniques while designing the pages to present data dynamically to interact.
	    • Responsible of documenting the Project and updating in TFS.
	    • Used **Team Foundation Server** for the source control of the Project.
	    • Responsible for unit and integration testing of developed forms and objects using **N Unit** testing framework.
	    • Performed QA **testing** the system.
	    • Worked in agile development environment and participated in meetings and discussions with department heads, project managers, architects and users

Project 4:	**ARRA Reporting (American Recovery and Reinvestment Act),** **SN Invoice (School Nutrition Invoice)** **State Of Georgia**
Duration:	**Jun 2012-April 2013**
Role performed on Project:	**Senior .NET Developer**
Explanation of work performed using Skillsets in 4.1.1	• Involved in Analysis, Design, and Development stages of the project, including requirements gathering from the users. • Experience in developing enterprise level Web & Windows applications using Microsoft Visual Studio 2013. • Rewrote the application from windows **VB.Net** intranet application to internet **C#** web application. • Development n-tier architecture and created Data Access and business and application layer using **C#.Net** and **Asp. Net**.

	• Developed Web UI elements according to **Model-View-Controller (MVC)** which was based on the usage optimality and the code logic division.
	• Designed and developed the Web Pages and worked on the Admin, Grants, Search, Audit, School, Invoice Transfer and District Transfer and various modules of the Project.
	• Effectively used **Session** for users to validate and the connectivity with the database and User role management.
	• Implemented **Ajax controls** and **web controls** functionality in the UI web forms using Ajax Tool Kit.
	• Created and used **Grid views for** edit/delete and to display data and **user control** extensively
	• Created the SSRS reports to the user to view the person, case, Provider data.
	• Provide mentorship to a team of CSS Managers, Assistant Managers, Analysts
	• Developed and implemented various Web Forms and User Controls and Server Controls Using ASP.NET.
	    • Used **ADO.NET/Linq** extensively for data retrieving, querying, storing and manipulating.
	    • Developed the Application and making enhancement for the project.
	    • Created Complex Stored Procedures and Functions and transactions and using Views in the **SQL Server2005, 2008**.
	    • Developed system services SOA application platform for use by all web application utilizing WCF services and used SOAP, HTML, XML and WSDL.
	    • Worked on the Project Migration issues when migrated to the **.NET 4.0** versions.
	    • Extensively worked on bug fixing based on the priority levels and dynamic creation of Excel Reports.
	    • Extensively used JavaScript /JQuery for alert box, prompt box, and Validations.
	    • Used **infragistic/Ajax** Controls & techniques while designing the pages to present data dynamically and to allow interaction.
	    • Used **Team Foundation Server** for the source control of the Project.
	    • Performed QA **testing** the system.
	    • Worked on test driven development environment using NUnit testing tool.
	    • Worked in agile development environment and participated in meetings and discussions with department heads, project managers, architects and users

Project 5:	**MEA (Merchant Enrolment Advantage) and MPOS - Global Payments**
Duration:	**Dec 2011-May 2012**
Role performed on Project:	**Senior .NET Developer**
Explanation of work performed using Skillsets in 4.1.1	• Development Applications for the enhancements of current project using **C#.** • Wrote queries to fetching and insert data using **SQL Server.** • Wrote DLLS to maintain the **Business logic** and **SQL Connections**. • Developed presentation layer using **ASP.Net**. • **Data Grids** were used to insert/edit/Delete and display data returned from database.

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	• Developed **Data Objects** which exposes attributes and data values in the form of .NET
	• Re-Wrote **stored procedures**, functions and complex quires using **MS SQL Server 2005**.
	• Developed XSLT and XSD for making transformations and Validations from xml file to Specified format.
	• Used the **WCF service** Interfaces to which mediates between the **Services** and **MEA.**
	• Designed and modeled database**.**
	• Participated in **SCRUM** meetings.
	• Performed Unit testing, Integration testing and validation of data and logged the Test Results.
Project 6:	**PNC Catch and CDU - PNC Bank**
Duration:	**July 2011-Dec 2011**
Role performed on Project:	**Silverlight Developer**
Explanation of work performed using Skillsets in 4.1.1	• Designed and developed **User interface** using Silverlight using **C#** .
	• Wrote DML operations to select, update and insert data using **SQL Server** .
	• Wrote **Data Handlers** to maintain the **Business logic** and **SQL Connections**.
	• Developed presentation layer using **Xaml** and extensively used custom combo boxes, List boxes and converters to bind the data using XAML.
	• **Data Grids and List Box's** were used extensively to display data returned from Data Handler.
	• Developed **Data Objects** which exposes attributes and data values in the form of .NET
	• Re-Wrote **stored procedures**, functions and complex quires using **MS SQL Server 2008**.
	• Designed Plug-ins using Console applications for the to import the data
	• Used **Silverlight and Xaml for validations.** Used the **WCF service** Interfaces to which mediates between the **User interface** and **Data Handlers.**
	• Participated in **SCRUM.**
	• Performed QA **testing** the system.
Project 7:	**CCS, GCSCB, ACSCB - Wedgwood Pharmacy**
Duration:	**Apr 2011-July 2011**
Role performed on Project:	**Senior .Net Developer**
Explanation of work performed using Skillsets in 4.1.1	• Designed and developed **User interface and Dashboard Applications** using **ASP.NET.**
	• Used **ADO.NET** to connect to data base and to perform DML operations.
	• Wrote queries to generate reports for analysis of data using **SQL Server Reporting Services**.
	• Worked upon **ETL** using **SSIS (**To import data from Sybase to SQL server and oracle to SQL Server**)** .

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	- Developed presentation layer using various **Server-Controls, HTML Controls**, **and JavaScript**. - **Grid Views** were used extensively to display data returned from SQL Server on Dash Boards. - Developed **Data Objects** which exposes attributes and data values in the form of .NET Data Table and Data Row. - Re-Wrote **stored procedures**, functions, Cursors and complex quires using **MS SQL Server 2008**. - Designed Console applications and Task Scheduled to run for Specific intervals as scheduled. - Build a Task Schedulers using System Tools and Created Sql Jobs . - Used **ASP.NET validation controls** to validate the server controls data insertion. - Worked on **service Interfaces in WCF.** - **Creating client-side proxy classes for use with WCF.** - Participated in **SCRUM.** - Performed unit testing and QA testing the system.
Project 8:	**Clinical Supply Solutions - O&M**
Duration:	**May 2010– Mar2011**
Role performed on Project:	**Senior .Net Developer**
Explanation of work performed using Skillsets in 4.1.1	- Designed and developed **User Interface** using **ASP.NET.** - Designed Web Forms using **HTML, CSS** and implemented **client side scripting** using **JavaScript**. - Worked on **Service oriented architecture.** - Used **ADO.Net** for database connectivity, storage and retrieval on **SQL Server 2000**. - Develop **WCF Services** to allow communication between **Presentation layer and Service layer**. - Developed core functionality with the **.NET Framework (VB.Net, ASP.NET.** - Worked upon conversion of **DTS packages** into **SSIS.** - Communicating with **Windows Communication Foundation** service via the **endpoints.** - Defining **Data Contracts and Service Contracts in WCF.** - Working on creating service **Interfaces and** created end points **in WCF.** - Hosting the service in IIS and creating **client-side proxy classes** to interact with **WCF** service. - Create data objects (tables, views), **stored procedures** and **functions** to store and retrieve the data from database. - Responsible for coding, developing the ADT**, Billing Export, Item Master, Order Export, PO Update.** - Used **TFS (Team Foundation Server)** for version controlling. - Other responsibilities of the work that was being performed **SRS Documentation**, Coding**, Unit Testing.**
Project 9:	**Knowledge Management Solutions (BHEL R&D) - BHEL**
Duration:	**July 2009– May2010**
Role performed	**Senior .Net Developer**

on Project:	
Explanation of work performed using Skillsets in 4.1.1	- Involved in Requirements gathering, Designing & Client Communication - Used ADO.NET to connect to data base and to perform DML operations - Developed the graphical user interfaces using **ASP.Net.** - Developed the home page which gives list of all files with the status. - Writing project status reports and updates - Documenting batch processes
Project 10:	**Cantonment Administration & Development - Institute for Electronic Governance**
Duration:	**Oct2006 – Jun2009**
Role performed on Project:	**Web Developer**
Explanation of work performed using Skillsets in 4.1.1	- Developed the **ASP** pages using **VBScript** (Server) and **JavaScript** (client side). - Documented the technical specs and designed the application based on business requirements. - Designed the database, developed tables in **SQL Server 2000.** - Actively involved in testing of the application. - Implemented server-side business logic using C#. - Programming in **ASP.Net** and **C#.** - Writing project status reports and updates Documenting batch processes
Project 11:	**Document Management System - Indtech Info Solutions (P) Ltd**
Duration:	**Mar 2006 – Sep 2006**
Role performed on Project:	**Software Developer**
Explanation of work performed using Skillsets in 4.1.1	- Developed the graphical user interfaces using **ASP.Net.** - Developed the home page which gives list of all files with the status. - Developed the Categories module, which consists of Creation of New Category, Deleting Category, Modifying Category, and Displaying Categories.
Project 12:	**Enterprise Management System (EMS) - Indtech Info Solutions (P) Ltd**
Duration:	**Mar 2005 – Sep 2006**
Role performed on Project:	**Software developer**
Explanation of work performed using Skillsets in 4.1.1	- Involved in development and testing. - Developed using **ASP. Net, ADO.Net, C#.Net, JavaScript** and **SQL Server2000**.

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Section 4.1.2 - Debugging Code for existing systems within Microsoft Visual Studio 2013. Documenting code changes consistently throughout the development process

Previous Project: CAPSS Projects

Project Start Date: March 2016   Date Completed: Till Date

Project Description:

Child and Adult Protective Service System is a system builds to maintain the Services of the DSS (Department of Social Service) .Involved in providing production support, debugging existing legacy code using Visual Studio 2013; corrected bugs/problems, performed code reviews and moved to production; provided phone/chat support to end users on applications.

Contractor's Role: Senior .Net Developer

Skill sets Utilized: C#, ASP.Net 4.0/ 4.5, VB.Net, Excel, SharePoint, Visual Studio.Net 2012/2015,

TFS, SQL Server 2008 R2, N-Tire, SOAP, WCF 3.5, HTML5, JavaScript, JQuery, XML,

Reporting Services (SSRS), IIS V7.0, Web Services.

 Location: Columbia, SC

Project URL:

                              (if applicable)

Project Manager / Supervisor:
Salley Paulette

Phone Number: 510 870 0426
Email Address: paulette.salley@dss.sc.gov

Note: If more room is needed then attach remaining information on a separate sheet.

Section 4.1.2 -Working on a team with business analysts to define new features that the contractor must then code and integrate for existing systems

Previous Project: CAPSS (Adoptions)

Project Start Date: March 2016   Date Completed: Till Date

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Worked with business analysis to capture requirements and worked to develop technical documentation. Participated in JAD sessions, interviews; defined new features, implemented, tested and migrated to production.
Contractor's Role: Senior .Net Developer

Skill sets Utilized: C#, ASP.Net 4.0/ 4.5, VB.Net, Excel, SharePoint, Visual Studio.Net 2012/2015, TFS, SQL Server 2008 R2, N-Tire, SOAP, WCF 3.5, HTML5, JavaScript, JQuery, XML, Reporting Services (SSRS), IIS V7.0, Web Services.
Location: Columbia, SC

Project URL:

(if applicable)

Project Manager / Supervisor:
Paulette Sally
Phone Number: 510 870 0426
Email Address: Paulette.salley@dss.sc.gov

Section 4.1.2 - Working on a team with developers to upgrade and configure existing code

Previous Project: DJJ(Department of judicial justice)

Project Start Date: March 2016   Date Completed: Till Date

Worked with project manager and team members to upgrade legacy code to latest .net technologies. Configured IIS and deployed applications.
Contractor's Role: Senior .Net developer

Skill sets Utilized: C#, ASP.Net 4.0/ 4.5, VB.Net, Excel, SharePoint, Visual Studio.Net 2012/2015, TFS, SQL Server 2008 R2, N-Tire, SOAP, WCF 3.5, HTML5, JavaScript, JQuery, XML, Reporting Services (SSRS), IIS V7.0, Web Services.
Location: Columbia, SC

Project URL:

(if applicable)

Project Manager / Supervisor:
Salley Paullete
Phone Number: 510 870 0426
Email Address: Paulette.salley@dss.sc.gov

OT18002

EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 - Software testing, including system integration and regression testing, to ensure application changes continue to meet the business needs

Previous Project: CAPSS Projects

Project Start Date: March 2016   Date Completed: Till Date

Project Description:

Child and Adult Protective Service System is a system builds to maintain the Services of the DSS (Department of Social Service) . worked closely with QA manager, business analysts, QA team to participate in UAT, validate the system meets business needs; worked with QA team on documenting bugs and worked with development team to fix bugs and retest.

Skill sets Utilized: C#, ASP.Net 4.0/ 4.5, VB.Net, Excel, SharePoint, Visual Studio.Net 2012/2015, TFS, SQL Server 2008 R2, N-Tire, SOAP, WCF 3.5, HTML5, JavaScript, JQuery, XML,   Reporting Services (SSRS), IIS V7.0, Web Services.

Location: Columbia, SC

Project URL:

(if applicable)

Project Manager / Supervisor:
Salley Paulette
Phone Number: 510 870 0426
Email Address: paulette.salley@dss.sc.gov

Note: If more room is needed then attach remaining information on a separate sheet.

OT18002

The Applications Developer Contractor must provide project information, their role, the utilized skillsets from section 4.1.1 and experience as described in section 4.1.2.
Please complete your information. Do not handwrite the information below.

Project1:	**Halliburton Drill Bits and Services - Project: ADesc/Wizdom/Ops**
Duration:	**Nov 2018 – Present**
Role performed on Project:	**Software Developer/Full Stack Developer**
Explanation of work performed using Skillsets in 4.1.1	• Used NPM for installing required node modules and other published Angular NPM modules. • Create proof of concepts based on discussions and input from business users using Agular CLI, Angular7, Bootstrap, Typescript, c#.Net. • Developed both Reactive and Template-Driven Forms. • Create SQL queries and stored procedures to perform CRUD operations of Data. • Used angular provided life cycle hooks, module and services to make the application lighter and fast. • Used Kendo angular components extensively to build the input controls, Grids and File uploads • Develop directives, services, to call the Restful WEBAPI services, pipes to transform the data. • Performed Unit Testing and involved in Debugging & Supporting the application. • Use Bootstrap classes for styling HTML pages and write custom CSS3 classes that are specific to Halliburton. • Use data frameworks to create models and manage data to improve the efficiency of web applications. • Implement LINQ for querying, sorting, filtering complex objects. • Use Action Filter to authorize users and use token authentication. **Environment:** VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, MVC5, WebApi2, oData2, Kendo Angular , Angular 5/6/7/8, JSON, SSRS, JavaScript, vb.NET, Bootstrap 3/4, T-SQL, JSON, IIS, ReSharper, Jasmine, typescript
Project 2:	**TransCore - Project: Maryland Department of Transport Authority (MDTA) -**
Duration:	**July 2018 – Nov 2018**
Role performed on Project:	**Full Stack Developer**
Explanation of work performed using Skillsets in 4.1.1	• Used NPM for installing required node modules and other published Angular NPM modules. • Developed single page applications using Angular 2, Typescript, HTML5, CSS3, and Bootstrap. • Followed the N-Tier architecture for the application development with DAL, BLL, and UI. • Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 5. • Good knowledge on using Angular APIs like @angular/http [For making HTTP requests], @angular/common [common core things including form validation], @angular/router [Routing for our entire app]. • Implemented HTTP requests using Rxjs Observable library to handle multiple values over time.

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	• Extensively worked with making calls to WEB APIs to fetch the data from the back end as JSON response and parse it on the UI for DOM/CSS Manipulation. • Experience in creating loosely coupled classes, angular services and client business logic using Dependency Injection • Designed dynamic client-side JavaScript codes to build web forms and simulate process for a web application, page navigation using Angular 5. • Worked on unit testing for the Angular application using karma. **Environment:** Angular 5, SQL server 2012, IIS 7, SSRS, HTML, CSS3, Web API, JSON, Web API, Karma.
Project 3:	**Halliburton Drill Bits and Services - Project: ADesc**
Duration:	**March 2018 – July 2018**
Role performed on Project:	**Software Developer/Full Stack Developer**
Explanation of work performed using Skillsets in 4.1.1	• Used NPM for installing required node modules and other published Angular NPM modules. • Create proof of concepts based on discussions and input from business users using Angular CLI, Angular5, Bootstrap, Typescript, c#.Net • Create SQL queries and stored procedures to perform CRUD operations of Data. • Develop components with both template driven and reactive forms to make the pages responsive. • Develop directives, services, to call the Restful WEBAPI services, pipes to transform the data. • Involved in unit testing with N-Unit, preparing System Test Cases, Documentation, Debugging and bug fixing. • Use Bootstrap classes for styling HTML pages and write custom CSS3 classes that are specific to Halliburton. • Use data frameworks to create models and manage data to improve the efficiency of web applications. • Implement LINQ for querying, sorting, filtering complex objects. • Use Action Filter to authorize users and use token authentication. **Environment:** VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, vb.NET, MVC5, WebApi2, Razor, Angular 4, JSON, JavaScript, Bootstrap, T-SQL, JSON, IIS, ReSharper, Jasmine
Project 4:	**TEXAS EDUCATION AGENCY, Austin, TX - Project: eGrants**
Duration:	**May 2016 – Feb. 2018**
Role performed on Project:	**Programmer Analyst/Senior .Net Developer**
Explanation of work performed using Skillsets in 4.1.1	• The eGrants application is a comprehensive web portal which provides online grant management system for discretionary and formula grants via online submission, tracking, review, and processing of K through 12 and adult education grant applications. • Develops the Application using Agile methodology (two-week sprints) and daily status meeting. • Involved in complete Life Cycle including Analysis, Design, Development, and Testing. • Develops front-end using Angular2 Components, JavaScript in ES6 on MVC architecture. • Builds reusable Angular components and front-end libraries for future use. • Constructs Ajax driven JavaScript functions consuming JSON content. • Develops unit tests and conducted peer code reviews with the team.

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	• Strong proficiency in JavaScript, including DOM manipulation and the JavaScript object model. • Implements Dependency Injection using Windsor container, Repository Pattern, Unit of Work and mocking framework for Unit test of entire application. • Follows complete test-driven development (TDD) for execution of this project. • Uses Crystal Reports to create reports based on SQL Server database. • Involved in debugging and fixing the bug production issues. • Participates in writing Stored Procedures for performing optimization and other database operations such as complex SQL queries, views and triggers, etc. • The Application is a Section 508 Compliance. • Developed JS unit Test cases using jasmine. • Production issue analysis and resolution. **Environment:** VS '15'17, ASP.NET 4.5, c#, SQL Server (2012), MVC5, XML, Razor, Angular 2, vb.NET, JSON, JavaScript, Bootstrap, T-SQL, JSON, Design Pattern, SSRS, SVN, IIS, Crystal Reports, ReSharper, Jasmine
Project5:	**PUBLIX SUPER MARKETS, INC. Lakeland, FL - Project: Customer Order Management (COM) Online Easy Ordering**
Duration:	**June 2015 – April 2016**
Role performed on Project:	**Programmer Analyst/Lead**
Explanation of work performed using Skillsets in 4.1.1	• The Customer Order Management (COM) solution supported the pre-ordering of items from publix.com. • Developed the Application using Agile methodology (one-week sprint) and daily status meeting. • Involved actively in preparing high and low level documentation (TDD). • Used Bootstrap classes for styling. • Solely responsible in developing a SOAP-based WEB API which was used when the customer added a product to an order. • Implemented design patterns such as Singleton and IoC/DI accordingly. • Developed a Windows service to work as a state engine. • Wrote stored procedures in SQL '12 that deals with API and windows service to perform CRUD operations. • Developed SOA components using Restful and Messaging structure. • Wrote some complex LINQ queries for data retrievals. • Used JavaScript to implement the WEB API and consume the results. • Involved in Troubleshooting and Debugging of the application within the stipulated time. • Used XML to send the print documents to store if the printing is happening via MSMQ and Axway. • Wrote NUnit Test Cases to implement the services, APIs. • Maintained the version of the project with latest version in TFS. **Environment:** VS'13, ASP.NET 4.5, c#, SQL Server (2012), WEB API 2.0, HTML5, Windows Service, JavaScript, Bootstrap, T-SQL, JSON, XML, Design Pattern, TFS, IIS
Project 6:	**EXPERIAN, Irvine, CA - Project: Credit Alert Services**
Duration:	**March 2015 – May 2015**
Role performed on Project:	**Programmer Analyst**

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Explanation of work performed using Skillsets in 4.1.1	• ECS Credit alert services gave real time credit alerts to the member when there was any activity on their account. • Developed the Application using Agile Development methodology (two-week sprints). • Involved actively in preparing high and low level documentation. • Designed and developed WCF Service, Data, Fault and Message Contracts which constantly looks for the messages from Bureau regarding any customer and integrating this with other services that couldn't send real time alerts to the customers. • Configured Bindings. • Used Telerik Controls like rad ajax manager and rad windows and other Telerik ui controls to build async UI. • Developed web services to integrate other systems using ESB (Enterprise Service Bus). • Involved in working on database scripts, Store Procedures, View, Indexes, and Functions in SQL server 2012. • Used AJAX Toolkit controls like Script Manager, Update Panel within some web pages for partial rendering of the page. • Generated Reports using SSRS and accessed through the web pages. • Used JavaScript validations with ASP.NET controls. • Utilized Source/Version control Tools using GIT, validate the code changes, apply the Labeling, Push/Pull/Commit, etc. • Involved in application release and responsible for defect free migration in different environments. **Environment:** VS2013, .NET Framework 4.0, c#, SQL Server, WCF, JavaScript, Telerik Controls, T-SQL, jQuery, JSON, AJAX, HTML, CSS3, SSRS, Design Pattern, GIT, IIS, Rally
Project 7:	**HEWLETT-PACKARD, Austin, TX - Project: HP Financial Services Leasing and Financing**
Duration:	**Feb. 2012 – Feb. 2015**
Role performed on Project:	**Senior .Net Developer**
Explanation of work performed using Skillsets in 4.1.1	• HP Financial Services made it easy and economical for clients to deploy world-class technology in ways that met their business needs and helped manage the risk of dealing with older or surplus IT equipment. • Created a technical design document with the requirements in the functional document. • Developed Web pages in ASP.NET using c#, .NET 4.0, and to access data from Oracle DB. • Created WCF services for data exchange. Implemented Fault Contract and Data contract. • Worked with JSON to pass the JavaScript objects from server to web application. • Used jQuery cycle plugin for image slide shows on the webpage. • Involved in total restructuring of Data Access Layer to stored procedures and packages in PL-SQL and implementing new stored procedures in Oracle to accommodate the changes. • Provided upload functionality in c# to allow system to accept the Tab Delimited & Excel Files. • Involved in security design for the LOB application and write code for user authentication and to secure the web services. • Performed Unit testing of the application and subsequently handled the debugging issues.

	• Supported production system and provide quick solutions to users to the critical issues. • Maintained a previous application in Core Java. • Used SVN for integration, generating database deployment scripts, and version control. **Environment:** VS2010, ASP.NET 3.5, c#, vb.NET, Oracle 11g, WCF, SSRS, JavaScript, XML, PL-SQL, jQuery, JSON LINQ, SVN, IIS
Project 8:	**EZ CORP, Austin, TX - Project: Online Lending (EZ Money Center)**
Duration:	**July 2011 – Jan. 2012**
Role performed on Project:	**Programmer**
Explanation of work performed using Skillsets in 4.1.1	• Online Lending application was a customer facing e-commerce web application used to applying, paying the loans, and getting change cards from EZ CORP. • Actively participated in conversion of user requirement into the detailed design document. • Developed Data access layer to access data from SQL server, business logic layer (Middle tier) and the User Interface (Front end) using .Net 4.0, C#. • Applied Themes, CSS, and HTML5.0 for a consistent look and feel for Page design. • Extensively worked with website administration Tool and Config file to create Roles, Profiles, Login Controls, Custom Authentication and Authorization for Site Security and user data storing. • Used a webservice to store files in a repository, using a file storage service and hosted the service using multiple end points. • Developed all the pages as Custom User Controls to render them in Sitecore for the content management and developed Search Control, Grid Control, and Navigation Control using ASP.NET. • Used http session state module to maintain the data from one page to another. • Handled the security in global.asax, generating a new ticket every time which makes hard to get into the application and got the latest data from the database. • Used LINQ to SQL for all data retrievals. • Handled the inter-browser compatibility (IE7to IE9, Firefox, and Safari). • Used Server side Asynchronous JavaScript, JQuery and XML (AJAX) techniques to improve performance. • Created team project in SVN for effective collaboration. • Involved in writing Unit Test Cases and Unit Testing using Nunit. **Environment:** Visual Studio 2010 IDE, .NET 3.0, C#.NET, SQL Server 2008, Web services, JavaScript, jQuery, Sitecore, LINQ, AJAX, HTML, XML, Design Pattern, SVN, IIS
Project9:	**CANON FINANCIAL SERVICES, MT Laurel, NJ - Project: CFSwebportal**
Duration:	**Jan 2011 – June 2011**
Role performed on Project:	**.Net Developer**
Explanation of work performed using Skillsets in 4.1.1	• Mainly involved in coding the business logic for the entire system based on the requirements in C# and used Abstract Factory & Singleton patterns for writing the business logic based on requirement by using .Net Framework 4.0, C#, Visual Studio 2010.

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	• Implemented the MVC3 (Model View Controller) design pattern to build the application.
	• Consumed WCF Data Services using oData Services (REST Services) to post payment information to the customers. SOAP Headers were used for security.
	• Extensively worked with ASP.NET Web Site Administration Tool and Web Config file to create Roles, Profiles, Login Controls, Membership, Identification, Custom Authentication and Authorization for Site Security and user data storing.
	• Generated Reports using SQL Server Reporting Services (SSRS) and accessed through the web pages.
	• Used Microsoft Visio to build use cases diagrams, state sequence diagrams, class diagrams and activity diagrams (UML) useful for application design.
	• Used SVN for continuous integration, generating database deployment scripts and version control.
	Environment: VS2010, .NET 3.0, vb.NET, SQL Server 2008, Entity Framework (ORM), OData Services, NHibernate, JavaScript AJAX, HTML, Data Protocol/REST Services, SVN, IIS
Project 10:	**Alcatel-Lucent, Longview, TX - Project: 9500 MPR**
Duration:	**Nov. 2009 – Dec. 2010**
Role performed on Project:	**Test Engineer**
Explanation of work performed using Skillsets in 4.1.1	• The 9500 MPR solution enables the smooth transformation of backhaul networks from TDM to IP and provides efficient transport of multimedia traffic, while still supporting legacy TDM. 9500 MPR networks will efficiently manage rapid growth in multimedia traffic because packets are handled natively and transmission is adapted to the propagation conditions and quality required by different types of services.
	• Produce and read testing programs to assess and change product performances and consistency for the MPRs.
	• Supervised engineering activities on the assigned program and enforced system test plans complaint with testing standards and also established test plan and specs with design team and resolved issues related to reference design boards.
	• C# Automation using VSTS and Selenium along with Nunit
	• Developing Test plan of the application as per technical specifications.
Project 11:	**Vijay Electricals, Hyderabad, India**
Duration:	**May. 2006 – June 2007**
Role performed on Project:	**Junior Electrical and Test Engineer**
Explanation of work performed using Skillsets in 4.1.1	• Setup, configure, and perform no-load (Factory Acceptance Test (FAT)). Coordinate with production and issue FAT reports as required.
	• Perform Quality Control (QC) and Assurance tests of DC motors, AC motors and Generators manufactured or repaired, and the motor blower assemblies manufactured at the facility.
	• Manage an inventory of testing devices and calibration certificates.
	• Answer and follow-up customers and vendors requests and questions related to Electrical Engineering.

Note: If more room is needed then attach remaining information on a separate sheet.

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Section 4.1.2 - **Debugging Code for existing systems within Microsoft Visual Studio 2013. Documenting code changes consistently throughout the development process**

Projects: Halliburton Drill Bits and Services (Project: ADesc/Wizdom/Ops)
TransCore - Project: Maryland Department of Transport Authority (MDTA)
TEXAS EDUCATION AGENCY, Austin, TX
PUBLIX SUPER MARKETS, INC. Lakeland, FL and other projects

Project Start and end Date: March 2012 & Current

Project Description:

Involved in providing production support, debugging existing legacy code using Visual Studio 2013; corrected bugs/problems, performed code reviews and moved to production; provided phone/chat support to end users on applications

Contractor's Role: Software Developer/Full Stack Developer

Skill sets Utilized: VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, MVC5, WebApi2, oData2, Kendo Angular , Angular 5/6/7/8, JSON, SSRS, JavaScript, vb.NET, Bootstrap 3/4, T-SQL, JSON, IIS, ReSharper, Jasmine, typescript

Location: Conroe, TX

Project URL:

(if applicable)
Project Manager / Supervisor: Michael Pierce - Project Manager
Phone Number: 214-738-4359
Email Address: Michael.pierce@halliburton.com
Note: If more room is needed then attach remaining information on a separate sheet.

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Section 4.1.2 -Working on a team with business analysts to define new features that the contractor must then code and integrate for existing systems

Projects: Halliburton Drill Bits and Services (Project: ADesc/Wizdom/Ops)
TransCore - Project: Maryland Department of Transport Authority (MDTA)
TEXAS EDUCATION AGENCY, Austin, TX
PUBLIX SUPER MARKETS, INC. Lakeland, FL and other projects

Project Start and end Date: March 2012 & Current

Worked with business analysis to capture requirements and worked to develop technical documentation. Participated in JAD sessions, interviews; defined new features, implemented, tested and migrated to production.

Skill sets Utilized: VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, MVC5, WebApi2, oData2, Kendo Angular , Angular 5/6/7/8, JSON, SSRS, JavaScript, vb.NET, Bootstrap 3/4, T-SQL, JSON, IIS, ReSharper, Jasmine, typescript

Location: Conroe, TX

Project URL:

(if applicable)
Project Manager / Supervisor: Michael Pierce - Project Manager
Phone Number: 214-738-4359
Email Address: Michael.pierce@halliburton.com

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Section 4.1.2 -Working on a team with developers to upgrade and configure existing code

Projects: Halliburton Drill Bits and Services (Project: ADesc/Wizdom/Ops)
TransCore - Project: Maryland Department of Transport Authority (MDTA)
TEXAS EDUCATION AGENCY, Austin, TX
PUBLIX SUPER MARKETS, INC. Lakeland, FL and other projects

Project Start and end Date: March 2012 & Current

Worked with project manager and team members to upgrade legacy code to latest .net technologies. Configured IIS and deployed applications.

Contractor's Role: Software Developer/Full Stack Developer

Skill sets Utilized: VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, MVC5, WebApi2, oData2, Kendo Angular , Angular 5/6/7/8, JSON, SSRS, JavaScript, vb.NET, Bootstrap 3/4, T-SQL, JSON, IIS, ReSharper, Jasmine, typescript

Location: Conroe, TX

Project URL:

(if applicable)
Project Manager / Supervisor: Michael Pierce - Project Manager
Phone Number: 214-738-4359
Email Address: Michael.pierce@halliburton.com

EXHIBIT B – Required Documentation Verification Form

Section 4.1.2 -Software testing, including system integration and regression testing, to ensure application changes continue to meet the business needs

Projects: Halliburton Drill Bits and Services (Project: ADesc/Wizdom/Ops)
TransCore - Project: Maryland Department of Transport Authority (MDTA)
TEXAS EDUCATION AGENCY, Austin, TX
PUBLIX SUPER MARKETS, INC. Lakeland, FL and other projects

Project Start and end Date: March 2012 & Current

. worked closely with QA manager, business analysts, QA team to participate in UAT, validate the system meets business needs; worked with QA team on documenting bugs and worked with development team to fix bugs and retest.

Contractor's Role: Software Developer/Full Stack Developer

Skill sets Utilized: VS 17, VS Code, ASP.NET 4.5, c#, SQL Server (2016), XML, MVC5, WebApi2, oData2, Kendo Angular , Angular 5/6/7/8, JSON, SSRS, JavaScript, vb.NET, Bootstrap 3/4, T-SQL, JSON, IIS, ReSharper, Jasmine, typescript

Location: Conroe, TX

Project URL:

(if applicable)
Project Manager / Supervisor: Michael Pierce - Project Manager
~~Phone Number: 214-738-4359~~
~~Email Address: Michael.pierce@halliburton.com~~
Note: If more room is needed then attach remaining information on a separate sheet.