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STATE OF NEW HAMPSHIRE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH SERVICES

Lori A. Shibanette
Commissioner

Lisa M. Morris
Director

29 HAZEN DRIVE, CONCORD, NH 03301
603-271-4501 1-800-852-3345 Ext. 4501
Fax: 603-271-4827 TDD Access: 1-800-735-2964
www.dhhs.nh.gov

April 28, 2021

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Health and Human Services, Division of Public Health Services, to enter into a **Sole Source** amendment to an existing contract with Abacus Service Corporation (VC#223048), Southfield, MI, to provide information technology expertise for the Automated Hospital Emergency Department Data (AHEDD) system, by increasing the price limitation by \$71,847 from \$327,937 to \$399,784 with no change to the contract completion date of August 31, 2022, effective upon Governor and Council approval. 100% Federal Funds.

The original contract was approved by Governor and Council on November 14, 2018, item #17, amended with Governor and Council approval on May 20, 2020, (Item #11), and most recently amended with Governor and Council approval on January 22, 2021, item #27.

Funds are available in the following accounts for State Fiscal Year 2021, and are anticipated to be available in State Fiscal Year 2022, upon the availability and continued appropriation of funds in the future operating budget, with the authority to adjust budget line items within the price limitation and encumbrances between state fiscal years through the Budget Office, if needed and justified.

05-95-90-902510-50940000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH SERVICES, BUREAU OF INFECTIOUS DISEASE CONTROL, SYNDROMIC SURVEILLANCE CAP

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2019	102-500731	Contracts for Program Services	90027300	\$110,565	\$0	\$110,565
2020	102-500731	Contracts for Program Services	90027300	\$90,624	\$0	\$90,624
			Subtotal	\$201,189	\$0	\$201,189

05-95-90-902010-50400000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SVS, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF POPULATION HEALTH AND COMMUNITY SERVICES, OPIOID SURVEILLANCE.

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2020	102-500731	Contracts for Program Services	90050401	\$10,000	\$0	\$10,000
2021	102-500731	Contracts for Program Services	90050401	\$43,374	\$38,032	\$81,406
2022	102-500731	Contracts for Program Services	90050401	\$43,374	\$33,815	\$77,189
			Subtotal	\$96,748	\$71,847	\$168,595

05-95-90-902510-7039-HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF INFECTIOUS DISEASE CONTROL, PUBLIC HEALTH CRISIS RESPONSE

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2020	102-500731	Contracts for Program Services	90703902	\$25,000	\$0	\$25,000
2021	102-500731	Contracts for Program Services	90703902	\$5,000	\$0	\$5,000
			Subtotal	\$30,000	\$0	\$30,000
			Total	\$327,937	\$71,847	\$399,784

EXPLANATION

This request is **Sole Source** because the contract was originally approved as sole source and MOP 150 requires any subsequent amendments to be labelled as sole source. Federal regulations require the Department to specify each vendor's name during the application process, prior to the grant award being issued.

The purpose of this request is to obtain information technology expertise for the Department's Automated Hospital Emergency Department Data (AHEDD) system. This support will resolve current data quality and system upgrade issues, and improve situational awareness and representativeness reporting for COVID-19 pandemic. Maintaining the AHEDD system helps New Hampshire meet local and National Syndromic Surveillance System (NSSP) objectives, broaden data representativeness, improve data quality, and enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally, and nationally. Additionally, AHEDD feeds the Electronic Business Intelligence (EBI) database, used for querying AHEDD COVID-19 and other health risk condition Tableau dashboards.

The Contractor will provide ongoing IT support to maintain and develop the AHEDD system. There is a continuous need to maintain and develop the system as federal guidance changes and hospital systems are upgraded. This support work will provide the Department with medical situational awareness, early-event detection, and the ability to analyze and perform reportable disease and cluster investigations for early intervention.

The Department will monitor contracted services by:

- Ensuring the system is meeting expectations by completing comprehensive testing of enhancements.
- Ensuring issues are tracked and resolved quickly to meet expectations and timelines.
- Tracking change requests, business requirement documents, and work plans with code review
- Developing, reviewing, and tracking of change requests, business requirement documents, and work plans with code review to ensure vendor enhancements meet expected results without rework.

Should the Governor and Council not authorize this request, the Department would have a delayed response in obtaining COVID-19 and other surveillance data from hospitals, which would significantly impact the Department's ability to analyze and perform reportable disease and cluster investigations for early intervention.

Area served: Statewide

Source of Funds: CFDA # 93.136, FAIN # NU17CE924984.

In the event that the Federal Funds become no longer available, General Funds will not be requested to support this program.

Respectfully submitted,


Lori A. Shibinette
Commissioner

FOX



STATE OF NEW HAMPSHIRE
DEPARTMENT OF INFORMATION TECHNOLOGY
27 Hazen Dr., Concord, NH 03301
Fax: 603-271-1516 TDD Access: 1-800-735-2964
www.nh.gov/doit

Denis Goulet
Commissioner

May 4, 2021

Lori A. Shibinette, Commissioner
Department of Health and Human Services
State of New Hampshire
129 Pleasant Street
Concord, NH 03301

Dear Commissioner Shibinette:

This letter represents formal notification that the Department of Information Technology (DoIT) has approved your agency's request to enter into a **Sole Source** contract amendment with Abacus Service Corporation (VC#223048), Southfield, MI as described below and referenced as DoIT No. 2017-026C.

The purpose of this agreement is for Abacus Service Corporation to provide the continued maintenance and support of the Automated Hospital Emergency Department Data (AHEDD) system. Maintaining the AHEDD system will help New Hampshire meet local and National Syndromic Surveillance System (NSSP) objectives, broaden data representativeness, improve data quality, and enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally, and nationally.

The funding amount for this amendment is \$71,847, increasing the current contract from \$327,937 to \$399,784 with no change to the contract completion date of August 31, 2022. This amendment shall become effective upon Governor and Executive Council approval through August 31, 2022.

A copy of this letter should accompany the Department of Health and Human Services' submission to the Governor and Executive Council for approval.

Sincerely,

Denis Goulet

DG/kaf
DoIT #2017-026C
RID: N/A
cc: Michael Williams, IT Manager, DoIT

**State of New Hampshire
Department of Health and Human Services
Amendment #3**

This Amendment to the Automated Hospital Emergency Department Data (AHEDD) System Support contract is by and between the State of New Hampshire, Department of Health and Human Services ("State" or "Department") and Abacus Service Corporation ("the Contractor").

WHEREAS, pursuant to an agreement (the "Contract") approved by the Governor and Executive Council on November 14, 2018 (Item #17), as amended on May 20, 2020, (Item #11), and as amended on January 22, 2021 (Item #27), the Contractor agreed to perform certain services based upon the terms and conditions specified in the Contract as amended and in consideration of certain sums specified; and

WHEREAS, pursuant to Contract Agreement - Part 1 Form P-37, General Provisions, Paragraph 18, and Contract Agreement – Part 2, Section 2, Subsection 2.2, the Contract may be amended upon written agreement of the parties and approval from the Governor and Executive Council; and

WHEREAS, the parties agree to extend the term of the agreement, increase the price limitation, or modify the scope of services to support continued delivery of these services; and

NOW THEREFORE, in consideration of the foregoing and the mutual covenants and conditions contained in the Contract and set forth herein, the parties hereto agree to amend as follows:

1. Contract Agreement - Part 1 Form P-37, General Provisions, Block 1.8, Price Limitation, to read: \$399,784.
2. Modify Contract Agreement - Part 3, Exhibit A, Contract Deliverables, Table 2., Deliverables, Milestones, and Activities Schedule, to read:

2. DELIVERABLES, MILESTONES, AND ACTIVITIES SCHEDULE

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	DELIVERY DATE
F-1.a Conduct Project Kickoff	Non-Software	Effective Date (Start Date)
F-1.b Status Meetings	Email or Conference	Weekly
F-1.c Delivery of Work Plan	Written	Effective Date + 5 Days
F-1.d Invoice for Work Plan	Non-Software	Effective Date + 5 Days
F-1.e Delivery of A01 to A04 transaction mapping to the AHEDD database and processing (requirement dropped due to redundancy) – Reference requirement B-5	Software	Effective Date + 25 Days
F-1.f Invoice of A01 to A04 transaction mapping to the AHEDD database and processing (requirement dropped due to redundancy)	Non-Software	Effective Date + 25 Days
F-1.g Delivery of the completion of the offloading of historic data on AHEDD - Reference requirement B-6 (requirement dropped due to creation of Tableau DB and reporting)	Software	Effective Date + 45 Days

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F-1.h Invoice of the completion of the offloading of historic data on AHEDD (requirement dropped due to creation of Tableau DB and reporting)	Non-Software	Effective Date + 45 Days
F-1.i. Delivery of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7 (On Hold due to decrease in grant funding)	Software	Effective Date + 65 Days
F-1.j Invoice of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 65 Days
F-1.k Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB – Reference the requirement B-8	Software	Effective Date + 90 Days
F-1.l Invoice for the completion of the addition of MU Stage 3 fields and HL7 fields to the AHEDD DB	Non-Software	Effective Date + 90 Days
F-1.m Delivery of the completion of the EP database infrastructure to store EP and Urgent Care (UC) encounters – Reference the requirement B-9 (On Hold due to decrease in grant funding)	Software	Effective Date + 120 Days
F-1.n Invoice for the completion of the EP and Urgent Care (UC) database infrastructure to store EP encounters (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 120 Days
F-1.o Delivery of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Software	Effective Date + 140 Days
F-1.p Invoice of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 140 Days
F-1.i.a Delivery of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Software	Must be complete by 90 days after Project End Date (11/30/2020)

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F-1.i.b Invoice of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.c 2018 SCOPE B – Delivery of the completion of System Support Acceptance Testing	Software	Effective Date + 170 Days
F-1.i.d 2018 SCOPE B – Invoice of the completion of System Support Acceptance Testing Invoice	Non-Software, Written	Effective Date + 170 Days
F-1.i.e Associated documentation	Written	Effective Date + 170 Days
F-1.i.f Knowledge transfer training	Non-Software, Written	Effective Date + 180 Days
F-1.i.g Production implementation	Software	Effective Date + 180 Days
F-1.i.h Invoice for Holdback	Non-Software	Effective Date + 210 Days
F-1.i.i Delivery of completed AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020)
F-1.i.j Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Non-Software	Must be completed by Project End Date (03/31/2020)
F-1.i.k Delivery of additional work completed through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix) (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (03/31/2020)
F-1.i.l Invoice for additional work through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix) (On Hold due to decrease in grant funding)	Non-Software	Must be complete by Project End Date (03/31/2020)

F-1.i.m Delivery of Cognos report extraction for inclusion in another reporting tool, such as Tableau (change in scope due to decrease in grant funding)	Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.n Invoice for extraction of Cognos reports for inclusion in another reporting tool, such as Tableau (change in scope due to decrease in grant funding)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.o Delivery of ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.p Invoice for ESSENCE data feed from AHEDD	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.j.a Delivery of EP database infrastructure to store EP encounters completion	Software	Must be complete by 6/30/2021
F-1.j.b Invoice for EP database infrastructure to store EP encounters completion	Non-Software	Must be complete by 6/30/2021
F-1.j.c Delivery of UC database infrastructure to store Urgent Care (UC) encounters completion	Software	Must be complete by 6/30/2021
F-1.j.d Invoice for UC database infrastructure to store Urgent Care (UC) encounters completion	Non-Software	Must be complete by 6/30/2021
F-1.j.e Delivery of Migrated COGNOS Reports	Software	Must be complete by 6/30/2021

F-1.j.f Invoice for Delivery of Migrated COGNOS Reports	Non-Software	Must be complete by 6/30/2021
F-1.j.g Delivery of Conversion of MS Access Batch Job Report to Apex	Software	Must be complete by 8/31/2021
F-1.j.h Invoice for Conversion of MS Access Batch Job Report to Apex	Non-Software	Must be complete by 8/31/2021
F-1.j.i Delivery of Log Monitoring Development Continuation	Software	Must be complete by 8/31/2021
F-1.j.j Invoice for Log Monitoring Development Continuation	Non-Software	Must be complete by 8/31/2021
F-1.j.k Delivery of AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Software	Must be complete by 8/31/2021
F-1.j.l Invoice for AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Non-Software	Must be complete by 8/31/2021
F-1.j.m Delivery of the updating of AHEDD code table ICD10 codes	Software	Must be complete by 8/31/2021
F-1.j.n Invoice for the updating of AHEDD code table ICD10 codes	Non-Software	Must be complete by 8/31/2021

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F-1.j.o Delivery of AHEDD Sys Support Maintenance	Software	Must be complete by 8/31/2021
F-1.j.p Invoice for AHEDD Sys Support Maintenance	Non-Software	Must be complete by 8/31/2021
F-1.k.a Delivery of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2021
F-1.k.b Invoice for AHEDD Expert Developer IT Support	Non-Software	Must be complete by 8/31/2021
F-1.k.c Delivery of Hold Back	Software	Must be complete by 11/30/2021
F-1.k.d Invoice for Hold Back	Non-Software	Must be complete by 11/30/2021
F-1.k.e Delivery of AHEDD EP reporting	Software	Must be complete by 12/31/2021
F-1.k.f Invoice for completion of AHEDD EP reporting	Non-Software	Must be complete by 12/31/2021
F-1.k.g Delivery of AHEDD UC reporting	Software	Must be complete by 12/31/2021
F-1.k.h Invoice for completion of AHEDD UC reporting	Non-Software	Must be complete by 12/31/2021
F-1.k.i Delivery of AHEDD Log Monitoring Development	Software	Must be complete by 8/31/2022

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F-1.k.j Invoice for AHEDD Log Monitoring Development	Non-Software	Must be complete by 8/31/2022
F-1.k.k Delivery of AHEDD COVID-19 MU field reporting	Software	Must be complete by 8/31/2022
F-1.k.l Invoice for AHEDD COVID-19 MU field reporting	Non-Software	Must be complete by 8/31/2022
F-1.k.m Delivery of other AHEDD system support maintenance (includes improvement of AHEDD log debugging displays, unapplied encounter field updates in History table)	Software	Must be complete by 8/31/2022
F-1.k.n Invoice for other AHEDD system support maintenance	Non-Software	Must be complete by 8/31/2022
F-1.k.o Delivery of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2022
F-1.k.p Invoice for AHEDD Expert Developer IT Support	Non-Software	Must be complete by 8/31/2022
F-1.l.a Delivery of the AHEDD Alert History replication removal	Software	Must be complete by 6/30/2022
F-1.l.b Invoice for the AHEAD Alert History replication removal	Non-Software	Must be complete by 6/30/2022
F-1.l.c Delivery of Restoration of AHEDD User Alerts from PRD to DEV and UAT	Software	Must be complete by 8/31/2022

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F-1.I.d Invoice for AHEDD User Alerts from PRD to DEV and UAT	Non-Software	Must be complete by 8/31/2022
F-1.I.e Delivery of Recoding of Apex Adhoc & MS Access Report	Software	Must be complete by 8/31/2021
F-1.I.f Invoice for Recoding of Apex Adhoc & MS Access Report	Non-Software	Must be complete by 8/31/2021
F-1.I.g Delivery of Hold Back	Software	Must be complete by 11/30/2022
F-1.I.h Invoice for Hold Back	Non-Software	Must be complete by 11/30/2022

2. Modify Part 3, Exhibit B, Price and Payment Schedule, Section 1, Payment Schedule, to read:

1. PAYMENT SCHEDULE

1.2 Firm Fixed Price

This is a Firm Fixed Price (FFP) Contract totaling \$399,784 for the period between the Effective Date through August 31, 2022. ASC shall be responsible for performing its obligations in accordance with the Contract. This Contract will allow ASC to invoice the State for the following activities, Deliverables, or milestones at fixed pricing/rates appearing in the price and payment tables below:

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	PROPOSED SCHEDULE	PRICE
F-1.a Conduct Project Kickoff Meeting (reference G-2)	Non-Software	Must be completed 10 days after initial project start date	\$0
F-1.b Status Meetings	Email or Phone	Weekly	\$0
F-1.c Delivery of Work Plan (reference G-4)	Written	Must be completed within 10 days after initial project start date	\$0
F-1.d Invoice for Work Plan	Non-Software	Must be submitted on or about 10 days after initial project start date (paid \$12,725)	\$12,725

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<p>F-1.e Delivery of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) – Reference requirement B-5</p>	<p>Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$</p>
<p>F-1.f Invoice of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions, requirement was dropped due to redundancy)</p>	<p>Non-Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$12,730</p>
<p>F-1.g Delivery of the completion of the offloading of historic data on AHEDD Reference requirement B-6 (requirement dropped due to creation of Tableau DB and reporting)</p>	<p>Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$0</p>
<p>F-1.h Invoice of the completion of the offloading of historic data on AHEDD (requirement dropped due to creation of Tableau DB and reporting)</p>	<p>Non-Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$23,834</p>
<p>F-1.i Delivery of the automation of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7 (On Hold due to decrease in grant funding)</p>	<p>Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$0</p>
<p>F-1.j Invoice of the completion of the automation of misspelled patient town names to related political town/county /Public Health Region (On Hold due to decrease in grant funding)</p>	<p>Non-Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$12,730</p>
<p>F-1.k Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB – Reference the requirement B-8</p>	<p>Software</p>	<p>Must be completed by Project End Date (08/31/2019)</p>	<p>\$0</p>
<p>F-1.l Invoice of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB</p>	<p>Non-Software</p>	<p>Must be completed by Project End Date (08/31/2019, allocated \$27,834, spent 90% for work done \$25,051) Paid additional \$2,783 in SFY 2020 to complete vendor estimate, which brings total spent to \$27,834</p>	<p>\$27,834</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto;"> <p style="text-align: center;">os AS</p> </div>

F-1.m Delivery of the completion of the EP and UC database infrastructure to store EP and UC encounters – Reference the requirement B-9 (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.n Invoice of the completion of the EP and UC database infrastructure to store EP and UC encounters (On Hold due to decrease in grant funding)	Non-Software	Must be completed by Project End Date (08/31/2019, allocated \$12,730, but paid 50% for work done \$6,365)	\$12,730
F-1.o Delivery of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.p Invoice of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos reporting (On Hold due to decrease in grant funding)	Non-Software	Must be completed by Project End Date (08/31/2019, allocated \$31,692 + additional \$2,783, but paid 10% for work done \$3,169)	\$34,475
F-1.i.a Delivery of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Software	Must be complete by 90 days after Project End Date (11/30/2020)	\$0
F-1.i.b Invoice of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Non-Software	Must be complete by 90 days after Project End Date but extended to 11/30/2020, allocated \$48,961 in SFY 2019, but paid 50% for work done \$24,481) Limited scope and paid additional \$5,519 in SFY 2020 to complete new scope of work, which brings total spent to	\$30,000
F-1.i.c 2018 Scope B – Delivery of the completion of AHEDD System Support Acceptance Testing	Software	Must be completed on or about 30 days prior to end of Project End Date (08/31/2019)	\$0

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F-1.i.d 2018 Scope B – Invoice of the completion of AHEDD System Support Acceptance Testing Invoice (not completed due to decrease in grant funding)	Non-Software, Written	Must be completed on or about 30 days prior to end of Project End Date (Allocated \$27,834 but paid 10% for work done \$2,783)	\$27,834
F-1.i.e Associated documentation	Written	Must be completed 8 days prior to end of Project End Date	\$0
F-1.i.f Knowledge Transfer Training	Non-Software, Written	Must be completed on or before end of Project End Date	\$0
F-1.i.g Production Implementation	Software	Must be completed on or before end of Project End Date	\$0
F-1.i.h Invoice for Holdback (not completed due to decrease in grant funding)	Non-Software	Submitted upon successful completion of "Warranty Period" (90 days after Project End Date, allocated \$20,119, not	\$20,119
F-1.i.i Delivery of the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (08/31/2020)	\$0
F-1.i.j Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Non-Software	Must be completed by Project End Date (08/31/2020) Using unspent funds from log monitoring, for needed surveillance system improvements impacting data quality and system performance allocated and paid \$10,156 for SFY 2020	\$10,156

F-1.i.k Delivery of additional completed work through the end of March (IC10 Code Table update, which includes an automated code fix and additional miss-spelled original town names mapped to political town) (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (03/31/2020)	\$0
F-1.i.l Invoice for additional work through the end of March (IC10 Code Table update, which includes an automated code fix and additional miss-spelled original town names mapped to political town) (On Hold due to decrease in grant funding)	Non-Software	Must be complete by Project End Date (03/31/2020) Using unspent funds from log monitoring, to improve surveillance detection needs allocated \$6,022 in SFY 2020	\$6,022
F-1.i.m Delivery of additional task development through end of contract (Extraction of Cognos reports for migration to Tableau, change in scope due to decrease in grant funding)	Software	Must be complete by 90 days after Project End Date (11/30/2020)	\$0
F-1.i.n Invoice for additional task development through end of contract (Extraction of Cognos reports for migration to Tableau, change in scope due to decrease in grant funding)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020) Grant funding from ELC grant used to migrate Cognos reports to Tableau (these are to expire on 12/2020 allocated \$6,000 for SFY 2020)	\$6,000
F-1.i.o Delivery of ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020)	\$0
F-1.i.p Invoice for ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020, allocated \$4,000 for SFY 2020)	\$4,000
F-1.j.a Delivery of EP database infrastructure to store EP encounters completion	Software	Must be complete by 6/30/2021	\$0

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F-1.j.b Invoice for EP database infrastructure to store EP encounters completion	Non-Software	Must be complete by 6/30/2021	\$5,000
F-1.j.c Delivery of UC database infrastructure to store Urgent Care (UC) encounters completion	Software	Must be complete by 6/30/2021	\$0
F-1.j.d Invoice for UC database infrastructure to store Urgent Care (UC) encounters completion	Non-Software	Must be complete by 6/30/2021	\$5,000
F-1.j.e Delivery of Migrated COGNOS Reports	Software	Must be complete by 6/30/2021	\$0
F-1.j.f Invoice for Delivery of Migrated COGNOS Reports	Non-Software	Must be complete by 6/30/2021	\$20,068
F-1.j.g Delivery of Conversion of MS Access Batch Job Report to Apex	Software	Must be complete by 8/31/2021	\$0
F-1.j.h Invoice for Conversion of MS Access Batch Job Report to Apex	Non-Software	Must be complete by 8/31/2021	\$1,000
F-1.j.i Delivery of Log Monitoring Development Continuation	Software	Must be complete by 8/31/2021	\$0
F-1.j.j Invoice for Log Monitoring Development Continuation	Non-Software	Must be complete by 8/31/2021	\$5,000
F-1.j.k Delivery of AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Software	Must be complete by 8/31/2021	\$0
F-1.j.l Invoice for AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Non-Software	Must be complete by 8/31/2021	\$4,000
F-1.j.m Delivery of the updating of AHEDD code table ICD10 codes	Software	Must be complete by 8/31/2021	\$0
F-1.j.n Invoice for the updating of AHEDD code table ICD10 codes	Non-Software	Must be complete by 8/31/2021	\$3,000
F-1.j.o Delivery of AHEDD Sys Support Maintenance (includes handling AHEDD logging efficiency and inclusion of new log monitoring rules)	Software	Must be complete by 8/31/2021	\$0
F-1.j.p Invoice for AHEDD Sys Support Maintenance	Non-Software	Must be complete by 8/31/2021	\$13,233

F-1.k.a Delivery of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2021	\$0
F-1.k.b Invoice of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2021	\$16,964
F-1.k.c Delivery of Hold Back	Software	Must be complete by 11/30/2021	\$0
F-1.k.d Invoice for Hold Back	Non-Software	Must be complete by 11/30/2021	\$8,141
F-1.k.e Delivery of AHEDD EP reporting	Software	Must be complete by 12/31/2022	\$0
F-1.k.f Invoice for completion of AHEDD EP reporting	Non-Software	Must be complete by 12/31/2022	\$5,000
F-1.k.g Delivery of AHEDD UC reporting	Software	Must be complete by 12/31/2021	\$0
F-1.k.h Invoice for completion of AHEDD UC reporting	Non-Software	Must be complete by 12/31/2022	\$5,000
F-1.k.i Delivery of AHEDD Log Monitoring (Development)	Software	Must be complete by 8/31/2022	\$0
F-1.k.j Invoice for AHEDD Log Monitoring Development	Non-Software	Must be complete by 8/31/2022	\$5,000
F-1.k.k Delivery of AHEDD COVID-19 MU field reporting	Software	Must be complete by 8/31/2022	\$0
F-1.k.l Invoice for AHEDD COVID-19 MU field reporting	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.m Delivery of other AHEDD system support maintenance (includes improvement of AHEDD log debugging displays, unapplied encounter field updates in History table)	Software	Must be complete by 8/31/2022	\$0
F-1.k.n Invoice for other AHEDD system support maintenance	Non-Software	Must be complete by 8/31/2022	\$4,655

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F-1.k.o Delivery of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2022	\$0
F-1.k.p Invoice of AHEDD Expert Developer IT Support	Software	Must be complete by 8/31/2022	\$33,815
F-1.l.a Delivery of the AHEDD Alert History replication removal	Software	Must be complete by 6/30/2022	\$0
F-1.l.b Invoice for the AHEAD Alert History replication removal	Non-Software	Must be complete by 6/30/2022	\$5,000
F-1.l.c Delivery of Restoration of AHEDD User Alerts from PRD to DEV and UAT	Software	Must be complete by 5/31/2022	\$0
F-1.l.d Invoice for Restoration of AHEDD User Alerts from PRD to DEV and UAT	Non-Software	Must be complete by 8/31/2022	\$5,000
F-1.l.e Delivery of Recoding of Apex Adhoc & MS Access Report	Software	Must be complete by 8/31/2022	\$0
F-1.l.f Invoice for Recoding of Apex Adhoc & MS Access Report	Non-Software	Must be complete by 8/31/2022	\$2,000
F-1.l.g Delivery of Hold Back	Software	Must be complete by 11/30/2022	\$0
F-1.l.h Invoice for Hold Back	Non-Software	Must be complete by 11/30/2022	\$7,719
Subtotal			\$399,784
TOTAL			\$399,784

1.3 Proposed Vendor Staff, Resource Hours and Rates Worksheet

The Proposed Vendor Staff Position, Resource Hours and Rates Worksheet shall indicate the individuals that will be assigned to the Project, their hours and applicable rates. Names are required for individuals designated for key roles; titles shall be used for others. Information is listed by phase.

Table 1.3 : 2019 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementati on	Project Close out	Hourl y Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	504	272	120.80	\$36	\$32,285
Senior Developer #1	Pradeep Shukla	354.70	746.11	122.31	\$32	\$39,140
Senior Developer #2	Praveen Kumar	354.70	746.11	122.31	\$32	\$39,140
TOTALS						\$110,565

Table 1.3 : 2020 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementati on	Project Close out	Hourl y Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	567.05	328.96	134.90	\$37	\$38,144
Senior Developer #1	Pradeep Shukla	748	434	178	\$34	\$46,240
Senior Developer #2	Praveen Kumar	748	434	178	\$34	\$46,240
TOTALS						\$130,624

Table 1.3a : 2021 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementati on	Project Close out	Hourl y Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	340.07	201	84.45	\$38	\$23,770
Senior Developer #1	Pradeep Shukla	232.13	488.30	80.05	\$36	\$28,818
Senior Developer #2	Praveen Kumar	232.13	488.30	80.05	\$36	\$28,818
TOTALS						\$81,406

Table 1.3a : 2022 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours-X Rate
Project Manager	Ram Prasad Tulluri	317.89	184.30	75.73	\$39	\$22,539
Senior Developer #1	Pradeep Shukla	208.53	438.63	71.91	\$38	\$27,325
Senior Developer #2	Praveen Kumar	208.53	438.63	71.91	\$38	\$27,325
TOTALS						\$77,189

Table 1.3 : Proposed Vendor Staff, Resource Hours and Rates Worksheet

ALL YEAR TOTALS						\$399,784
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All terms and conditions of the Contract and prior amendments not modified by this Amendment remain in full force and effect. This Amendment shall be effective upon the date of Governor and Executive Council approval.

IN WITNESS WHEREOF, the parties have set their hands as of the date written below,

State of New Hampshire
Department of Health and Human Services

4/30/2021

Date

DocuSigned by:
Lisa M. Morris

0938DBFB8CA54A0...
Name: Lisa M. Morris

Title: Director, Division of Public Health Svcs.

Abacus Service Corporation

4/30/2021

Date

DocuSigned by:
April Szlaga

31C584DA3CCB44F...
Name: April Szlaga

Title: vice president

The preceding Amendment, having been reviewed by this office, is approved as to form, substance, and execution.

OFFICE OF THE ATTORNEY GENERAL

4/30/2021

Date

DocuSigned by:



D5C89202E32C4AE

Name: Catherine Pinos

Title: Attorney

I hereby certify that the foregoing Amendment was approved by the Governor and Executive Council of the State of New Hampshire at the Meeting on: _____ (date of meeting)

OFFICE OF THE SECRETARY OF STATE

Date

Name:

Title:

State of New Hampshire

Department of State

CERTIFICATE

I, William M. Gardner, Secretary of State of the State of New Hampshire, do hereby certify that ABACUS SERVICE CORPORATION is a Michigan Profit Corporation registered to do business in New Hampshire as ABACUS STAFFING on October 28, 2011. I further certify that all fees and documents required by the Secretary of State's office have been received and is in good standing as far as this office is concerned.

Business ID: 661190

Certificate Number: 0005359646



IN TESTIMONY WHEREOF,
I hereto set my hand and cause to be affixed
the Seal of the State of New Hampshire,
this 29th day of April A.D. 2021.

A handwritten signature in black ink, appearing to read "William M. Gardner".

William M. Gardner
Secretary of State

Corporate Resolution

I, Sreeram Akunuri, hereby certify that I am duly elected Clerk/Secretary of
(Name)

Abacus Service Corporation. I hereby certify the following is a true copy of a vote taken at
(Name of Corporation or LLC)

a meeting of the Board of Directors/shareholders, duly called and held on April 30, 20 21
at which a quorum of the Directors/shareholders were present and voting.

VOTED: That April Szlaga, Vice President (may list more than one person) is
(Name and Title)

duly authorized to enter into contracts or agreements on behalf of

Abacus Service Corporation

force and effect as of the date of the contract to which this certificate is attached. I further
certify that it is understood that the State of New Hampshire will rely on this certificate as
evidence that the person(s) listed above currently occupy the position(s) indicated and that
they have full authority to bind the corporation. To the extent that there are any limits on the
authority of any listed individual to bind the corporation in contracts with the State of New
Hampshire, all such limitations are expressly stated herein.

DATED: 04/30/2021

ATTEST: A. Sreeram Sreeram Akunuri
(Name and Title) COO/Secretary

NOTARY PUBLIC/JUSTICE OF THE PEACE

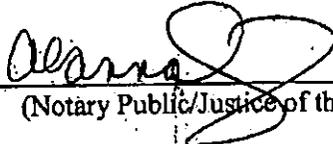
On the 30 day of April, 2021,

There appeared before me, the state and county foresaid a person who satisfactorily identified himself as

Sreeram Akunuri

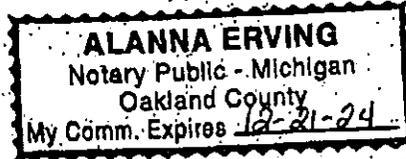
And acknowledge that he executed this document indicated above.

In witness thereof, I hereunto set my hand and official seal.


(Notary Public/Justice of the Peace)

My commission expires:

12-21-24
(Date)





ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Farmington Insurance Agency, LLC.		NAMED INSURED Abacus Service Corporation Acorn Services Corporation, Trajectus Corporation 25925 Telegraph Rd, Ste 206 Southfield, MI 48033	
POLICY NUMBER SEE PAGE 1		EFFECTIVE DATE: SEE PAGE 1	
CARRIER SEE PAGE 1	NAIC CODE SEE P 1		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

COVERAGES CONTINUED:

PROFESSIONAL E&O AND CYBER LIABILITY - INCLUDES:

Third Party Liability Including Errors & Omissions, Network & Information Cyber Security Liability & Communications & Media Liability.

EMPLOYMENT PRACTICES LIABILITY COVERAGE:

Carrier - Scottsdale Indemnity Company NAIC Code 15580

Effective 10-17-20 to 10-17-21

Policy #EKI3351300

Limits \$1,000,000 Occurrence/Aggregate

\$25,000 Retention

27 mac



STATE OF NEW HAMPSHIRE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH SERVICES

Lori A. Sbibinette
Commissioner

Lisa M. Morris
Director

29 HAZEN DRIVE, CONCORD, NH 03301
603-271-4501 1-800-852-3345 Ext. 4501
Fax: 603-271-4827 TDD Access: 1-800-735-2964
www.dhhs.nh.gov

November 16, 2020

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Health and Human Services, Division of Public Health Services, to enter into a **Sole Source** contract amendment with Abacus Service Corporation (VC#223048), Southfield, MI for information technology support for the Automated Hospital Emergency Department Data (AHEDD) system, by increasing the price limitation by \$86,748 from \$241,189 to \$327,937 and by extending the completion date from August 31, 2021 to August 31, 2022 effective upon Governor and Council approval. 100% Federal Funds.

The original contract was approved by Governor and Council on November 14, 2018, item #17 and most recently amended with Governor and Council approval on May 20, 2020, item #11.

Funds are available in the following accounts for State Fiscal Year 2021, and are anticipated to be available in State Fiscal Year 2022, upon the availability and continued appropriation of funds in the future operating budget, with the authority to adjust budget line items within the price limitation and encumbrances between state fiscal years through the Budget Office, if needed and justified.

05-95-90-902510-50940000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH SERVICES, BUREAU OF INFECTIOUS DISEASE CONTROL, SYNDROMIC SURVEILLANCE CAP

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2019	102-500731	Contracts for Program Services	90027300	\$110,565	\$0	\$110,565
2020	102-500731	Contracts for Program Services	90027300	\$90,624	\$0	\$90,624
			<i>Subtotal</i>	\$201,189	\$0	\$201,189

05-95-90-902010-50400000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SVS, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF POPULATION HEALTH AND COMMUNITY SERVICES, OPIOID SURVEILLANCE.

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
Page 2 of 3

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2020	102-500731	Contracts for Program Services	90050401	\$10,000	\$0	\$10,000
2021	102-500731	Contracts for Program Services	90050401	\$0	\$43,374	\$43,374
2022	102-500731	Contracts for Program Services	90050401	\$0	\$43,374	\$43,374
			Subtotal	\$10,000	\$86,748	\$96,748

05-95-90-902510-7039-HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF INFECTIOUS DISEASE CONTROL, PUBLIC HEALTH CRISIS RESPONSE

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2020	102-500731	Contracts for Program Services	90703902	\$25,000	\$0	\$25,000
2021	102-500731	Contracts for Program Services	90703902	\$5,000	\$0	\$5,000
			Subtotal	\$30,000	\$0	\$30,000
			Total	\$241,189	\$86,748	\$327,937

EXPLANATION

This request is **Sole Source** because federal regulations require the Department to specify each vendor's name during the annual, federal Continuum of Care Program renewal application process, prior to the grant award being issued. In addition, this request is sole source, as there are no renewals left on this contract, the Department is extending this contract to ensure there is consistent syndromic infectious disease reporting during the COVID-19 pandemic.

The purpose of this request is for continued maintenance and development of the Department's Automated Hospital Emergency Department Data (AHEDD) System. Maintaining the AHEDD system will help New Hampshire meet local and National Syndromic Surveillance System (NSSP) objectives, broaden data representativeness, improve data quality, and enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally, and nationally.

The Contractor will provide ongoing IT support to maintain and develop the Automated Hospital Emergency Department Data System. There is a continuous need to maintain and develop the system as federal guidance changes, and hospital systems are upgraded, which

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
Page 3 of 3

require these system changes. This support work will provide the Department with medical situational awareness, early-event detection, and the ability to analyze and perform reportable disease and cluster investigations for early intervention.

The Department will monitor contracted services using the following performance measures:

- Ensuring the system is meeting expectations by completing comprehensive testing of enhancements.
- Ensuring issues are tracked and resolved quickly to meet expectations and timeliness.
- Tracking change requests, business requirement documents, and work plans with code review
- Developing, reviewing, and tracking of change requests, business requirement documents, and work plans with code review to ensure vendor enhancements meet expected results without rework).

Should the Governor and Council not authorize this request, the Department would have a delayed response in mitigating the impact of disease outbreaks or health threats. During the COVID-19 pandemic this would significantly impact the Department's response.

Area served: Statewide

Source of Funds: CFDA # 93.136, FAIN # NU17CE924984.

In the event that the Federal Funds become no longer available, General Funds will not be requested to support this program.

Respectfully submitted,

DocuSigned by:
Ann H. N. Landry
24B4B37ED8E6488...

Lori A. Shabinette
Commissioner



STATE OF NEW HAMPSHIRE
DEPARTMENT OF INFORMATION TECHNOLOGY
27 Hazen Dr., Concord, NH 03301
Fax: 603-271-1516 TDD Access: 1-800-735-2964
www.nh.gov/doit

Denis Goulet
Commissioner

December 9, 2020

Lori A. Shibinette, Commissioner
Department of Health and Human Services
State of New Hampshire
129 Pleasant Street
Concord, NH 03301

Dear Commissioner Shibinette:

This letter represents formal notification that the Department of Information Technology (DoIT) has approved your agency's request to enter into a Sole Source contract amendment with Abacus Service Corporation (VC#223048), Southfield, MI as described below and referenced as DoIT No. 2017-026B.

The purpose of this agreement is for Abacus Service Corporation to provide the continued maintenance and support of the Automated Hospital Emergency Department Data (AHEDD) system. Maintaining the AHEDD system will help New Hampshire meet local and National Syndromic Surveillance System (NSSP) objectives, broaden data representativeness, improve data quality, and enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally, and nationally.

The funding amount for this amendment is \$86,748, increasing the current contract from \$241,189 to \$327,937 and by extending the completion date to August 31, 2022 from the original completion date of August 31, 2021. This amendment shall become effective upon Governor and Executive Council approval through August 31, 2022.

A copy of this letter should accompany the Department of Health and Human Services' submission to the Governor and Executive Council for approval.

Sincerely,

Denis Goulet

DG/kaf
DoIT #2017-026B
RID: N/A
cc: Michael Williams, IT Manager, DoIT



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

**State of New Hampshire
Department of Health and Human Services
Amendment #2 to the Automated Hospital Emergency Department Data (AHEDD) System
Support Contract**

This 2nd Amendment to the Automated Hospital Emergency Department Data (AHEDD) System Support contract (hereinafter referred to as "Amendment #2") is by and between the State of New Hampshire, Department of Health and Human Services (hereinafter referred to as the "State" or "Department") and Abacus Service Corporation, (hereinafter referred to as "the Contractor"), a corporation with a place of business at 25925 Telegraph Rd., Suite 206 Southfield, MI 48033.

WHEREAS, pursuant to an agreement (the "Contract") approved by the Governor and Executive Council on November 14, 2018, (Item #17), as amended on May 20, 2020, (Item #11), the Contractor agreed to perform certain services based upon the terms and conditions specified in the Contract as amended and in consideration of certain sums specified; and

WHEREAS, pursuant to Contract Agreement - Part 1 Form P-37, General Provisions, Paragraph 18, and Contract Agreement – Part 2, Section 2, Subsection 2.2, the Contract may be amended upon written agreement of the parties and approval from the Governor and Executive Council; and

WHEREAS, the parties agree to extend the term of the agreement, increase the price limitation, or modify the scope of services to support continued delivery of these services; and

NOW THEREFORE, in consideration of the foregoing and the mutual covenants and conditions contained in the Contract and set forth herein, the parties hereto agree to amend as follows:

1. Contract Agreement - Part 1 Form P-37 General Provisions, Block 1.7, Completion Date, to read:
August 31, 2022.
2. Contract Agreement - Part 1 Form P-37, General Provisions, Block 1.8, Price Limitation, to read:
\$327,937.
3. Modify Contract Agreement - Part 3, Exhibit A, Contract Deliverables, Table 2., Deliverables, Milestones, and Activities Schedule to read:

2. DELIVERABLES, MILESTONES, AND ACTIVITIES SCHEDULE

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	DELIVERY DATE
F-1.a Conduct Project Kickoff	Non-Software	Effective Date (Start Date)
F-1.b Status Meetings	Email or Conference	Weekly
F-1.c Delivery of Work Plan	Written	Effective Date + 5 Days
F-1.d Invoice for Work Plan	Non-Software	Effective Date + 5 Days
F-1.e Delivery of A01 to A04 transaction mapping to the AHEDD database and processing (requirement dropped due to redundancy) – Reference requirement B-5	Software	Effective Date + 25 Days



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.f Invoice of A01 to A04 transaction mapping to the AHEDD database and processing (requirement dropped due to redundancy)	Non-Software	Effective Date + 25 Days
F-1.g Delivery of the completion of the offloading of historic data on AHEDD - Reference requirement B-6 (requirement dropped due to creation of Tableau DB and reporting)	Software	Effective Date + 45 Days
F-1.h Invoice of the completion of the offloading of historic data on AHEDD (requirement dropped due to creation of Tableau DB and reporting)	Non-Software	Effective Date + 45 Days
F-1.i. Delivery of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7 (On Hold due to decrease in grant funding)	Software	Effective Date + 65 Days
F-1.j Invoice of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 65 Days
F-1.k Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB – Reference the requirement B-8	Software	Effective Date + 90 Days
F-1.l Invoice for the completion of the addition of MU Stage 3 fields and HL7 fields to the AHEDD DB	Non-Software	Effective Date + 90 Days
F-1.m Delivery of the completion of the EP database infrastructure to store EP and Urgent Care (UC) encounters – Reference the requirement B-9 (On Hold due to decrease in grant funding)	Software	Effective Date + 120 Days
F-1.n Invoice for the completion of the EP and Urgent Care (UC) database infrastructure to store EP encounters (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 120 Days
F-1.o Delivery of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Software	Effective Date + 140 Days

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**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.p Invoice of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Non-Software	Effective Date + 140 Days
F-1.i.a Delivery of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.b Invoice of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.c 2018 SCOPE B – Delivery of the completion of System Support Acceptance Testing	Software	Effective Date + 170 Days
F-1.i.d 2018 SCOPE B – Invoice of the completion of System Support Acceptance Testing Invoice	Non-Software, Written	Effective Date + 170 Days
F-1.i.e Associated documentation	Written	Effective Date + 170 Days
F-1.i.f Knowledge transfer training	Non-Software, Written	Effective Date + 180 Days
F-1.i.g Production implementation	Software	Effective Date + 180 Days
F-1.i.h Invoice for Holdback	Non-Software	Effective Date + 210 Days
F-1.i.i Delivery of completed AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020)
F-1.i.j Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Non-Software	Must be completed by Project End Date (03/31/2020)
F-1.i.k Delivery of additional work completed through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix) (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (03/31/2020)

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**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.i.l Invoice for additional work through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix) (On Hold due to decrease in grant funding)	Non-Software	Must be complete by Project End Date (03/31/2020)
F-1.i.m Delivery of Cognos report extraction for inclusion in another reporting tool, such as Tableau (change in scope due to decrease in grant funding)	Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.n Invoice for extraction of Cognos reports for inclusion in another reporting tool, such as Tableau (change in scope due to decrease in grant funding)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.o Delivery of ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.i.p Invoice for ESSENCE data feed from AHEDD	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020)
F-1.j.a Delivery of EP database infrastructure to store EP encounters completion	Software	Must be complete by 3/31/2021
F-1.j.b Invoice for EP database infrastructure to store EP encounters completion	Non-Software	Must be complete by 3/31/2021
F-1.j.c Delivery of UC database infrastructure to store Urgent Care (UC) encounters completion	Software	Must be complete by 3/31/2021
F-1.j.d Invoice for UC database infrastructure to store Urgent Care (UC) encounters completion	Non-Software	Must be complete by 3/31/2021
F-1.j.e Delivery of the AHEDD Alert History replication removal (refer to BRD 2018)	Software	Must be complete by 6/31/2021
F-1.j.f Invoice for the AHEAD Alert History replication removal	Non-Software	Must be complete by 6/31/2021
F-1.j.g Restoration of AHEDD User Alerts from PRD to DEV and UAT	Software	Must be complete by 8/31/2021
F-1.j.h Invoice for Restoration of AHEDD User Alerts from PRD to DEV and UAT	Non-Software	Must be complete by 8/31/2021
F-1.j.i Delivery of AHEDD Triage Notes, Concatenation of Multiple Chief Complaints, Race, and Ethnicity field reporting	Software	Must be complete by 8/31/2021



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.j.j Invoice for AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Non-Software	Must be complete by 8/31/2021
F-1.j.k Delivery of the updating of AHEDD code table ICD10 codes	Software	Must be complete by 8/31/2021
F-1.j.l Invoice for the updating of AHEDD code table ICD10 codes	Non-Software	Must be complete by 8/31/2021
F-1.j.m Delivery of Recoding of Apex Adhoc & MS Access Report	Software	Must be complete by 8/31/2021
F-1.j.n Invoice for Recoding of Apex Adhoc & MS Access Report	Non-Software	Must be complete by 8/31/2021
F-1.j.o Delivery of AHEDD Sys Support Maintenance (includes handling AHEDD logging efficiency and inclusion of new log monitoring rules)	Software	Must be complete by 8/31/2021
F-1.j.p Invoice for AHEDD Sys Support Maintenance	Non-Software	Must be complete by 8/31/2021
F-1.k.a Delivery of Hold Back	Software	Must be complete by 11/30/2021
F-1.k.b Invoice for Hold Back	Non-Software	Must be complete by 11/30/2021
F-1.k.c Delivery of AHEDD EP reporting	Software	Must be complete by 3/31/2022
F-1.k.d Invoice for completion of AHEDD EP reporting	Non-Software	Must be complete by 3/31/2022
F-1.k.e Delivery of AHEDD UC reporting	Software	Must be complete by 3/31/2022
F-1.k.f Invoice for completion of AHEDD UC reporting	Non-Software	Must be complete by 3/31/2022
F-1.k.g Delivery of AHEDD log debugging displays (improve efficiency and decrease log space)	Software	Must be complete by 6/31/2022
F-1.k.h Invoice for AHEDD log debugging displays	Non-Software	Must be complete by 6/31/2022



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.k.i Delivery of AHEDD COVID-19 MU field reporting	Software	Must be complete by 8/31/2022
F-1.k.j Invoice for AHEDD COVID-19 MU field reporting	Non-Software	Must be complete by 8/31/2022
F-1.k.k Delivery of unapplied encounter field updates in History table	Software	Must be complete by 8/31/2022
F-1.k.l Invoice for unapplied encounter field updates in History table	Non-Software	Must be complete by 8/31/2022
F-1.k.m Delivery of other MS Access Reports to Apex conversion (includes surround town, county, and political town reporting)	Software	Must be complete by 8/31/2022
F-1.k.n Invoice for other MS Access Reports to Apex conversion	Non-Software	Must be complete by 8/31/2022
F-1.k.o Delivery of other AHEDD system support maintenance (includes Log Monitoring enhancements)	Software	Must be complete by 8/31/2022
F-1.k.p Invoice for other AHEDD system support maintenance	Non-Software	Must be complete by 8/31/2022
F-1.l.a Delivery of Extracted Cognos Reports to Tableau	Software	Must be complete by 8/31/2022
F-1.l.b Invoice for Extracted Cognos Reports to Tableau	Non-Software	Must be complete by 8/31/2022
F-1.l.c Delivery of Hold Back	Software	Must be complete by 11/30/2022
F-1.l.d Invoice for Hold Back	Non-Software	Must be complete by 11/30/2022

2. Modify Part 3, Exhibit B, Price and Payment Schedule, Section 1, Payment Schedule, to read:

1. PAYMENT SCHEDULE

1.2 Firm Fixed Price

This is a Firm Fixed Price (FFP) Contract totaling \$327,937 for the period between the Effective Date through August 31, 2022. ASC shall be responsible for performing its obligations in accordance with the Contract. This Contract will allow ASC to invoice the State for the following activities, Deliverables, or milestones at fixed pricing/rates appearing in the price and payment tables below:



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVER-ABLE TYPE	PROPOSED SCHEDULE	PRICE
F-1.a Conduct Project Kickoff Meeting (reference G-2)	Non-Software	Must be completed 10 days after initial project start date	\$0
F-1.b Status Meetings	Email or Phone	Weekly	\$0
F-1.c Delivery of Work Plan (reference G-4)	Written	Must be completed within 10 days after initial project start date	\$0
F-1.d Invoice for Work Plan	Non-Software	Must be submitted on or about 10 days after initial project start date (paid \$12,725)	\$12,725
F-1.e Delivery of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) – Reference requirement B-5.	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.f Invoice of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions, requirement was dropped due to redundancy)	Non-Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.g Delivery of the completion of the offloading of historic data on AHEDD Reference requirement B-6 (requirement dropped due to creation of Tableau DB and reporting)	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.h Invoice of the completion of the offloading of historic data on AHEDD (requirement dropped due to creation of Tableau DB and reporting)	Non-Software	Must be completed by Project End Date (08/31/2019)	\$23,834
F-1.i Delivery of the automation of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7 (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (08/31/2019)	\$0



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.j Invoice of the completion of the automation of misspelled patient town names to related political town/county /Public Health Region (On Hold due to decrease in grant funding)	Non-Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.k Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB – Reference the requirement B-8	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.l Invoice of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB	Non-Software	Must be completed by Project End Date (08/31/2019, allocated \$27,834, spent 90% for work done \$25,051) Paid additional \$2,783 in SFY 2020 to complete vendor estimate, which brings total spent to \$27,834	\$27,834
F-1.m Delivery of the completion of the EP and UC database infrastructure to store EP and UC encounters – Reference the requirement B-9 (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.n Invoice of the completion of the EP and UC database infrastructure to store EP and UC encounters (On Hold due to decrease in grant funding)	Non-Software	Must be completed by Project End Date (08/31/2019, allocated \$12,730, but paid 50% for work done \$6,365)	\$12,730
F-1.o Delivery of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10 (On Hold due to decrease in grant funding)	Software	Must be completed by Project End Date (08/31/2019)	\$0
F-1.p Invoice of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos reporting (On Hold due to decrease in grant funding)	Non-Software	Must be completed by Project End Date (08/31/2019, allocated \$31,692 + additional \$2,783, but paid 10% for work done \$3,169)	\$34,475

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**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.i.a Delivery of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Software	Must be complete by 90 days after Project End Date (11/30/2020)	\$0
F-1.i.b Invoice of the completion of AHEDD/Rhapsody log monitoring (extended due to higher priority to replace AHEDD persistence software)	Non-Software	Must be complete by 90 days after Project End Date but extended to 11/30/2020, allocated \$48,961 in SFY 2019, but paid 50% for work done \$24,481 Limited scope and paid additional \$5,519 in SFY 2020 to complete new scope of work, which brings total spent to	\$30,000
F-1.i.c 2018 Scope B – Delivery of the completion of AHEDD System Support Acceptance Testing	Software	Must be completed on or about 30 days prior to end of Project End Date (08/31/2019)	\$0
F-1.i.d 2018 Scope B – Invoice of the completion of AHEDD System Support Acceptance Testing Invoice (not completed due to decrease in grant funding)	Non-Software, Written	Must be completed on or about 30 days prior to end of Project End Date (Allocated \$27,834 but paid 10% for work done)	\$27,834
F-1.i.e Associated documentation	Written	Must be completed 8 days prior to end of Project End Date	\$0
F-1.i.f Knowledge Transfer Training	Non-Software, Written	Must be completed on or before end of Project End Date	\$0
F-1.i.g Production Implementation	Software	Must be completed on or before end of Project End Date	\$0
F-1.i.h Invoice for Holdback (not completed due to decrease in grant funding)	Non-Software	Submitted upon successful completion of "Warranty Period" (90 days after Project End Date, allocated \$20,119, not	\$20,119



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

<p>F-1.i.i Delivery of the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)</p>	<p>Software</p>	<p>Must be completed by Project End Date (08/31/2020)</p>	<p>\$0</p>
<p>F-1.i.j Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)</p>	<p>Non-Software</p>	<p>Must be completed by Project End Date (08/31/2020) Using unspent funds from log monitoring, for needed surveillance system improvements impacting data quality and system performance allocated and paid \$10,156 for SFY 2020</p>	<p>\$10,156</p>
<p>F-1.i.k Delivery of additional completed work through the end of March (IC10 Code Table update, which includes an automated code fix and additional miss-spelled original town names mapped to political town) (On Hold due to decrease in grant funding)</p>	<p>Software</p>	<p>Must be completed by Project End Date (03/31/2020)</p>	<p>\$0</p>
<p>F-1.i.l Invoice for additional work through the end of March (IC10 Code Table update, which includes an automated code fix and additional miss-spelled original town names mapped to political town) (On Hold due to decrease in grant funding)</p>	<p>Non-Software</p>	<p>Must be complete by Project End Date (03/31/2020) Using unspent funds from log monitoring, to improve surveillance detection needs allocated \$6,022 in SFY 2020</p>	<p>\$6,022</p>
<p>F-1.i.m Delivery of additional task development through end of contract (Extraction of Cognos reports for migration to Tableau, change in scope due to decrease in grant funding)</p>	<p>Software</p>	<p>Must be complete by 90 days after Project End Date (11/30/2020)</p>	<p>\$0</p>



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.i.n Invoice for additional task development through end of contract (Extraction of Cognos reports for migration to Tableau, change in scope due to decrease in grant funding)	Non-Software	Must be complete by 90 days after Project End Date (11/30/2020) Grant funding from ELC grant used to migrate Cognos reports to Tableau (these are to expire on 12/2020 allocated \$6,000 for SFY 2020)	\$6,000
F-1.i.o Delivery of ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020)	\$0
F-1.i.p Invoice for ESSENCE data feed from AHEDD	Software	Must be complete by 90 days after Project End Date (11/30/2020, allocated \$4,000 for SFY	\$4,000
F-1.j.a Delivery of EP database infrastructure to store EP encounters completion	Software	Must be complete by 3/31/2021	\$0
F-1.j.b Invoice for EP database infrastructure to store EP encounters completion	Non-Software	Must be complete by 3/31/2021	\$4,000
F-1.j.c Delivery of UC database infrastructure to store Urgent Care (UC) encounters completion	Software	Must be complete by 3/31/2021	\$0
F-1.j.d Invoice for UC database infrastructure to store Urgent Care (UC) encounters completion	Non-Software	Must be complete by 3/31/2021	\$4,000
F-1.j.e Delivery of the AHEDD Alert History replication removal (refer to BRD 2018)	Software	Must be complete by 6/31/2021	\$0
F-1.j.f Invoice for the AHEAD Alert History replication removal	Non-Software	Must be complete by 6/31/2021	\$4,000
F-1.j.g Delivery of Restoration of AHEDD User Alerts from PRD to DEV and UAT	Software	Must be complete by 8/31/2021	\$0
F-1.j.h Invoice for Restoration of AHEDD User Alerts from PRD to DEV and UAT	Non-Software	Must be complete by 8/31/2021	\$4,000

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**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.j.i Delivery of AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Software	Must be complete by 8/31/2021	\$0
F-1.j.j Invoice for AHEDD Triage Notes, Concatenation of multiple Chief Complaints, Race, and Ethnicity field reporting	Non-Software	Must be complete by 8/31/2021	\$4,000
F-1.j.k Delivery of the updating of AHEDD code table ICD10 codes	Software	Must be complete by 8/31/2021	\$0
F-1.j.l Invoice for the updating of AHEDD code table ICD10 codes	Non-Software	Must be complete by 8/31/2021	\$4,000
F-1.j.m Delivery of Recoding of Apex Adhoc & MS Access Report	Software	Must be complete by 8/31/2021	\$0
F-1.j.n Invoice for Recoding of Apex Adhoc & MS Access Report	Non-Software	Must be complete by 8/31/2021	\$4,000
F-1.j.o Delivery of AHEDD Sys Support Maintenance (includes handling AHEDD logging efficiency and inclusion of new log monitoring rules)	Software	Must be complete by 8/31/2021	\$0
F-1.j.p Invoice for AHEDD Sys Support Maintenance	Non-Software	Must be complete by 8/31/2021	\$11,000
F-1.k.a Delivery of Hold Back	Software	Must be complete by 11/30/2021	\$0
F-1.k.b Invoice for Hold Back	Non-Software	Must be complete by 11/30/2021	\$4,374
F-1.k.c Delivery of AHEDD EP reporting	Software	Must be complete by 8/31/2022	\$0
F-1.k.d Invoice for completion of AHEDD EP reporting	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.e Delivery of AHEDD UC reporting	Software	Must be complete by 8/31/2022	\$0
F-1.k.f Invoice for completion of AHEDD UC reporting	Non-Software	Must be complete by 8/31/2022	\$4,000

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**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.k.g Delivery of AHEDD log debugging displays (improve efficiency and decrease log space)	Software	Must be complete by 8/31/2022	\$0
F-1.k.h Invoice for AHEDD log debugging displays	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.i Delivery of AHEDD COVID-19 MU field reporting	Software	Must be complete by 8/31/2022	\$0
F-1.k.j Invoice for AHEDD COVID-19 MU field reporting	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.k Delivery of unapplied encounter field updates in History table	Software	Must be complete by 8/31/2022	\$0
F-1.k.l Invoice for unapplied encounter field updates in History table	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.m Delivery of other MS Access Reports to Apex conversion (includes surround town, county, and political town)	Software	Must be complete by 8/31/2022	\$0
F-1.k.n Invoice for other MS Access Reports to Apex conversion	Non-Software	Must be complete by 8/31/2022	\$4,000
F-1.k.o Delivery of other AHEDD system support maintenance (includes Log Monitoring enhancements)	Software	Must be complete by 8/31/2022	\$0
F-1.k.p Invoice for other AHEDD system support maintenance	Non-Software	Must be complete by 8/31/2022	\$11,000
F-1.l.a Delivery of Extracted Cognos Reports to Tableau	Software	Must be complete by 11/30/2022	\$0
F-1.l.b Invoice for Extracted Cognos Reports to Tableau	Non-Software	Must be complete by 11/30/2022	\$4,000
F-1.l.c Delivery of Hold Back	Software	Must be complete by 11/30/2022	\$0
F-1.l.d Invoice for Hold Back	Non-Software	Must be complete by 11/30/2022	\$4,374
Subtotal			\$327,937
TOTAL			\$327,937



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

1.3 Proposed Vendor Staff, Resource Hours and Rates Worksheet

The Proposed Vendor Staff Position, Resource Hours and Rates Worksheet shall indicate the individuals that will be assigned to the Project, their hours and applicable rates. Names are required for individuals designated for key roles; titles shall be used for others. Information is listed by phase.

Table 1.3 : 2019 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	504	272	120.80	\$36	\$32,285
Senior Developer #1	Pradeep Shukla	354.70	746.11	122.31	\$32	\$39,140
Senior Developer #2	Praveen Kumar	354.70	746.11	122.31	\$32	\$39,140
TOTALS						\$110,565

Table 1.3 : 2020 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	567.05	328.96	134.90	\$37	\$38,144
Senior Developer #1	Pradeep Shukla	748	434	178	\$34	\$46,240
Senior Developer #2	Praveen Kumar	748	434	178	\$34	\$46,240
TOTALS						\$130,624

Table 1.3a : 2021 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	181.21	107.1	45	\$38	\$12,666
Senior Developer #1	Pradeep Shukla	123.68	260.17	42.65	\$36	\$15,354
Senior Developer #2	Praveen Kumar	123.68	260.17	42.65	\$36	\$15,354
TOTALS						\$43,374



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

Table 1.3a : 2022 Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementati on	Project Close out	Hourl y Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	178.64	103.6	42.53	\$39	\$12,666
Senior Developer #1	Pradeep Shukla	117.17	246.47	40.41	\$38	\$15,354
Senior Developer #2	Praveen Kumar	117.17	246.47	40.41	\$38	\$15,354
TOTALS:						\$43,374

Table 1.3 : Proposed Vendor Staff, Resource Hours and Rates Worksheet

ALL YEAR TOTALS						\$327,937
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1.4 Future Vendor Rates Worksheet

The State may request additional Services from the selected Vendor. In the event that additional Service is required, Table 1.4 Future Vendor Rates Worksheet shall provide this information. "SFY" refers to State Fiscal Year. The New Hampshire State Fiscal Year runs from July 1 through June 30 of the following calendar year. Positions not identified in the Table 1.3 shall be included in the Future Vendor Rates Worksheet.

Table 1.4: Future Vendor Rates Worksheet

Position Title	SFY 2019	SFY2020	SFY2021	SFY2022	SFY2023
Project Manager	\$36	\$37	\$38	\$39	\$40
Position #1	\$32	\$34	\$36	\$38	\$40
Position #2	\$32	\$34	\$36	\$38	\$40



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

All terms and conditions of the Contract and prior amendments not inconsistent with this Amendment #2 remain in full force and effect. This amendment shall be effective upon the date of Governor and Executive Council approval.

IN WITNESS WHEREOF, the parties have set their hands as of the date written below,

State of New Hampshire
Department of Health and Human Services

12/8/2020

Date

DocuSigned by:
Eisa M. Morris
Name: Eisa M. Morris
Title: Director, Division of Public Health Svcs.

Abacus Service Corporation

12/8/2020

Date

DocuSigned by:
April Szlaga
Name: APRIL SZLAGA
Title: vice President



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

The preceding Amendment, having been reviewed by this office, is approved as to form, substance, and execution.

OFFICE OF THE ATTORNEY GENERAL

12/11/2020

Date

DocuSigned by:

Name: Catherine Pinos

Title: Attorney

I hereby certify that the foregoing Amendment was approved by the Governor and Executive Council of the State of New Hampshire at the Meeting on: _____ (date of meeting)

OFFICE OF THE SECRETARY OF STATE

Date

Name:
Title:

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STATE OF NEW HAMPSHIRE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH SERVICES

Lori A. Shibley
Commissioner

Lisa M. Morris
Director

29 HAZEN DRIVE, CONCORD, NH 03301
603-271-4501 1-800-852-3345 Ext. 4501
Fax: 603-271-4827 TDD Access: 1-800-735-2964
www.dhhs.nh.gov

April 17, 2020

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Health and Human Services; Division of Public Health Services, to amend an existing contract with Abacus Service Corporation (VC#223048), Southfield, MI for information technology support for the Automated Hospital Emergency Department Data (AHEDD) system, by increasing the price limitation by \$10,000 from \$231,189 to \$241,189 and by extending the completion date from August 31, 2020 to August 31, 2021 effective upon Governor and Council approval. The original contract was approved by Governor and Council on November 14, 2018, item #17. 100% Federal Funds.

Funds are available in the following accounts for State Fiscal Years 2020, with the authority to adjust budget line items within the price limitation and encumbrances between state fiscal years through the Budget Office, if needed and justified.

05-95-90-902510-50940000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH SERVICES, BUREAU OF INFECTIOUS DISEASE CONTROL, SYNDROMIC SURVEILLANCE CAP

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2019	102-500731	Contracts for Program Services	90027300	\$110,565	\$0	\$110,565
2020	102-500731	Contracts for Program Services	90027300	\$90,624	\$0	\$90,624
			Subtotal	\$201,189	\$0	\$201,189

05-95-90-902510-7039-HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF INFECTIOUS DISEASE CONTROL, PUBLIC HEALTH CRISIS RESPONSE

State Fiscal Year	Class / Account	Class Title	Job Number	Current (Modified) Budget	Increased (Decreased) Amount	Revised Budget Amount
2020	102-500731	Contracts for Program Services	90703902	\$25,000	\$0	\$25,000
2021	102-500731	Contracts for Program Services	90703902	\$5,000	\$0	\$5,000
			<i>Subtotal</i>	\$30,000	\$0	\$30,000

05-95-90-902010-50400000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SVS, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF POPULATION HEALTH AND COMMUNITY SERVICES, OPIOID SURVEILLANCE.

State Fiscal Year	Class / Account	Class Title	Job Number	Current Budget	Increased (Decreased) Amount	Revised Budget
2020	102-500731	Contracts for Program Services	90050401	\$0	\$10,000	\$10,000
			<i>Subtotal</i>	\$0	\$10,000	\$10,000
			Total	\$231,189	\$10,000	\$241,189

EXPLANATION

As previously stated, the original contract was approved by Governor and Council on November 14, 2018, Item #17.

The purpose of this request is to improve and sustain syndromic (disease) surveillance coding, analysis, and reporting for the Automated Hospital Emergency Department Data (AHEDD) system for greater efficiency and broader analytical early event detection of public health threats. The enhanced surveillance realized from this contract will help New Hampshire meet local and National Syndromic Surveillance System (NSSP) objectives to broaden data representativeness, improve data quality, and to enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally and nationally.

The vendor will continue to work on the AHEDD system upgrade, which includes maintenance and development functions. Improvements such as processing of HL7 messages, data quality, and developing log monitoring, which will help track and resolve processing issues. Additionally, with increased funds the vendor will work with the Department and the Department of Information Technology to migrate reports.

The Department will monitor contracted services using the following performance measures:

- Ensuring the system is meeting expectations by completing comprehensive testing of enhancements.
- Ensuring issues are tracked and resolved quickly to meet expectations and timeliness.
- Tracking change requests, business requirement documents, and work plans with code review
- Developing, reviewing, and tracking of change requests, business requirement documents, and work plans with code review to ensure vendor enhancements meet expected results without rework).

As referenced in Section 2 of the original contract, the parties have the option to extend the agreement for up to one (1) additional year, contingent upon satisfactory delivery of services, available funding, agreement of the parties and Governor and Council approval. The Department is exercising its option to renew services for one (1) of the one (1) years available.

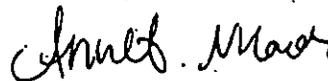
Should the Governor and Council not authorize this request the Department would have a delayed response in mitigating the impact of disease outbreaks or health threats.

Area served: Statewide

Source of Funds: CFDA # 93.136, FAIN # NU17CE924984.

In the event that the Federal Funds become no longer available, General Funds will not be requested to support this program.

Respectfully submitted,



Lori A. Shibinette
Commissioner

For



STATE OF NEW HAMPSHIRE
DEPARTMENT OF INFORMATION TECHNOLOGY

27 Hazen Dr., Concord, NH 03301
Fax: 603-271-1516 TDD Access: 1-800-735-2964
www.nh.gov/doit

Denis Goulet
Commissioner

April 28, 2020

Lori A. Shabinette, Commissioner
Department of Health and Human Services
State of New Hampshire
129 Pleasant Street
Concord, NH 03301

Dear Commissioner Shabinette:

This letter represents formal notification that the Department of Information Technology (DoIT) has approved your agency's request to enter into a contract amendment with Abacus Service Corporation as described below and referenced as DoIT No. 2017-026A.

This is a request to amend an existing contract with Abacus Service Corporation for continued support of the Automated Hospital Emergency Department Data (AHEDD) System. The vendor will continue to work on the AHEDD system upgrade, which includes maintenance and development functions. Improvements include processing of HL7 messages, data quality, and developing log monitoring, which will help track and resolve processing issues. Additionally, with increased funds the vendor will work with the Department and the Department of Information Technology to migrate reports.

The funding for this amendment is \$10,000, increasing the current contract price limitation from \$231,189 to \$241,189 and the completion date is extended from August 31, 2020 to August 31, 2021. This amendment shall become effective upon Governor and Executive Council approval through August 31, 2021.

A copy of this letter should accompany the Department of Health and Human Services' submission to the Governor and Executive Council for approval.

Sincerely,

Denis Goulet

DG/kaf
DoIT #2017-026A

cc: Mike Williams, IT Manager, DoIT

New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support



State of New Hampshire
Department of Health and Human Services
Amendment #1 to the Automated Hospital Emergency Department Data (AHEDD) System
Support Contract

This 1st Amendment to the Automated Hospital Emergency Department Data (AHEDD) System Support contract (hereinafter referred to as "Amendment #1") is by and between the State of New Hampshire, Department of Health and Human Services (hereinafter referred to as the "State" or "Department") and Abacus Service Corporation, (hereinafter referred to as "the Contractor"), a corporation with a place of business at 25925 Telegraph Rd., Suite 206 Southfield, MI 48033.

WHEREAS, pursuant to an agreement (the "Contract") approved by the Governor and Executive Council on November 14, 2018, (Item #17) the Contractor agreed to perform certain services based upon the terms and conditions specified in the Contract and in consideration of certain sums specified; and

WHEREAS, the State and the Contractor have agreed to make changes to the scope of work, payment schedules or terms and conditions of the contract; and

WHEREAS, pursuant to Form P-37, General Provisions, Paragraph 18, the Contract may be amended upon written agreement of the parties and approval from the Governor and Executive Council; and

WHEREAS, the parties agree to extend the term of the agreement, increase the price limitation, and modify the scope of services to support continued delivery of these services; and

WHEREAS, all terms and conditions of the Contract and prior amendments not inconsistent with this Amendment #1 remain in full force and effect; and

NOW THEREFORE, in consideration of the foregoing and the mutual covenants and conditions contained in the Contract and set forth herein, the parties hereto agree to amend as follows:

1. Form P-37 General Provisions, Block 1.7, Completion Date, to read:
August 31, 2021;
2. Form P-37, General Provisions, Block 1.8, Price Limitation, to read:
\$241,189.
3. Modify Part 2, Introduction, to read:

This Contract is by and between the State of New Hampshire, Department of Health & Human Services (DHHS) ("State"), and Abacus Service Corporation (ASC), a Michigan Corporation, ("Abacus Service Corporation" and/or "Contractor"), having its principal place of business at 25925 Telegraph Rd., Suite 206, Southfield, Michigan 48033.

4. Modify Part 2, Section 2, Contractor Term, to read:

2. CONTRACT TERM

- 2.1 The Contract and all obligations of the parties hereunder shall become effective after full execution by the parties and the receipt of required governmental approvals, including, but not limited to, Governor and Executive Council of the State of New Hampshire approval (Effective Date).
- 2.2 The Contract shall begin on the Effective Date and extend through the Completion Date as specified in Form P-37 General Provisions, Block 1.7 Completion Date. The Term may be extended up to one (1) additional year, (Extended Term) at the sole option of the State, subject to the parties' prior written agreement on applicable fees for each extended term, upon Governor and Executive Council approval.



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

- 2.3 ASC shall commence work upon issuance of a Notice to Proceed by the State.
- 2.4 The State does not require ASC to commence work prior to the Effective Date. However, if ASC commences work prior to the Effective Date and a Notice to Proceed, such work shall be performed at the sole risk of ASC. In the event that the Contract does not become effective, the State shall be under no obligation to pay ASC for any costs incurred or Services performed. However, if the Contract becomes effective, all costs incurred prior to the Effective Date shall be paid under the terms of the Contract.
5. Modify Part 3, Exhibit A, Contract Deliverables, Table 2., Deliverables, Milestones, and Activities Schedule to read:

2. DELIVERABLES, MILESTONES, AND ACTIVITIES SCHEDULE

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	DELIVERY DATE
F-1.a Conduct Project Kickoff	Non-Software	Effective Date (Start Date)
F-1.b Status Meetings	Email or Conference	Weekly
F-1.c Delivery of Work Plan	Written	Effective Date + 5 Days
F-1.c.d Invoice for Work Plan	Non-Software	Effective Date + 5 Days
F-1.e Delivery of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) - Reference requirement B-5	Software	Effective Date + 25 Days
F-1.f Invoice of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions)	Software	Effective Date + 25 Days
F-1.g Delivery of the completion of the offloading of historic data on AHEDD - Reference requirement B-6	Software	Effective Date + 45 Days
F-1.h Invoice of the completion of the offloading of historic data on AHEDD	Software	Effective Date + 45 Days
F-1.i. Delivery of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region - Reference the requirement B-7	Software	Effective Date + 65 Days
F-1.i.a Invoice of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region	Software	Effective Date + 65 Days



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.i.b Delivery of the completion of the addition of MU Stage 3 fields and 8-HL7 fields to the AHEDD DB – Reference the requirement B-8	Software	Effective Date + 90 Days
F-1.i.c Invoice for the completion of the addition of MU Stage 3 fields and HL7 fields to the AHEDD DB	Software	Effective Date + 90 Days
F-1.i.d Delivery of the completion of the EP database infrastructure to store EP and Urgent Care (UC) encounters – Reference the requirement B-9	Software	Effective Date + 120 Days
F-1.i.e Invoice for the completion of the EP and Urgent Care (UC) database infrastructure to store EP encounters	Software	Effective Date + 120 Days
F-1.i.f Delivery of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10	Software	Effective Date + 140 Days
F-1.i.g Invoice of the completion of AHEDD Triage Notes reporting, of Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10	Software	Effective Date + 140 Days
F-1.i.h Delivery of the completion of AHEDD/Rhapsody log monitoring	Software	Effective Date + 170 Days
F-1.i.i Invoice of the completion of AHEDD/Rhapsody log monitoring	Software	Effective Date + 170 Days
F-1.i.j 2018 SCOPE B – Delivery of the completion of System Support Acceptance Testing	Software	Effective Date + 170 Days
F-1.i.k 2018 SCOPE B – Invoice of the completion of System Support Acceptance Testing Invoice	Non-Software, Written	Effective Date + 170 Days
F-1.i.l Associated documentation	Written	Effective Date + 170 Days
F-1.i.m Knowledge Transfer training	Non-Software, Written	Effective Date + 180 Days
F-1.i.n Production Implementation	Software	Effective Date + 180 Days
F-1.i.o Invoice for Holdback	Non-Software	Effective Date + 210 Days



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

F-1.j Delivery of completed AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020)
F-1.j.a Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020)
F-1.j.b Delivery of additional work completed through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix)	Software	Must be completed by Project End Date (03/31/2020)
F-1.j.c Invoice for additional work through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix)	Software	Must be complete by Project End Date (03/31/2020)
F-1.j.d Delivery of additional task development through end of contract (Migration of Cognos Superutilizer reports to another reporting tool, such as Tableau)	Software	Must be complete by Project End Date (08/31/2020)
F-1.j.e Invoice for additional task development through end of contract (Migration of Cognos Superutilizer reports to another reporting tool, such as Tableau)	Software	Must be complete by Project End Date (08/31/2020)

2. Modify Part 3, Exhibit B, Price and Payment Schedule, Section 1, Payment Schedule, to read:



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

1. PAYMENT SCHEDULE

1.2 Firm Fixed Price

2021 AS 4/30/20

This is a Firm Fixed Price (FFP) Contract totaling \$241,189 for the period between the Effective Date through August 31, 2020. ASC shall be responsible for performing its obligations in accordance with the Contract. This Contract will allow ASC to invoice the State for the following activities, Deliverables, or milestones at fixed pricing/rates appearing in the price and payment tables below:

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	PROPOSED SCHEDULE	PRICE
F-1.a Conduct Project Kickoff Meeting (reference G-2)	Non-Software	Must be completed 10 days after initial project start date	0
F-1.b Status Meetings	Email or Phone	Weekly	0
F-1.c Delivery of Work Plan (reference G-4)	Written	Must be completed within 10 days after initial project start date	0
F-1.d Invoice for Work Plan	Non-Software	Must be submitted on or about 10 days after initial project start date	\$12,725
F-1.e Delivery of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) - Reference requirement B-6	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.f Invoice of the completion of A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions)	Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.g Delivery of the completion of the offloading of historic data on AHEDD Reference requirement B-6	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.h Invoice of the completion of the offloading of historic data on AHEDD	Software	Must be completed by Project End Date (08/31/2019)	\$23,834



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEAD) System Support**

F-1.1 Delivery of the completion of the automation of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.1.a Invoice of the completion of the automation of misspelled patient town names to related political town/county /Public Health Region	Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.1.b Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEAD DB – Reference the requirement B-8	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.1.c Invoice of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEAD DB	Software	Must be completed by Project End Date (08/31/2019) Paid vendor 80% for work done but paying additional \$2,783 to complete vendor estimate, which brings total spent to \$30,617	\$30,617
F-1.1.d Delivery of the completion of the EP and UC database infrastructure to store EP and UC encounters – Reference the requirement B-9	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.1.e Invoice of the completion of the EP and UC database infrastructure to store EP and UC encounters	Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.1.f Delivery of the completion of AHEAD Triage, Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.1.g Invoice of the completion of AHEAD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos reporting	Software	Must be completed by Project End Date (08/31/2019)	\$31,692



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

F-1.1.h Delivery of the completion of AHEDD/Rhapsody log monitoring	Software	Must be complete by Project End Date (08/31/2019)	0
F-1.1.i Invoice of the completion of AHEDD/Rhapsody log monitoring	Software	Must be complete by Project End Date (08/31/2019) Paid vendor 62% for work done, but after limiting scope am paying additional \$5,519 to complete new scope of work, which brings total spent to \$30,000	\$30,000
F-1.1.j 2018 Scope B – Delivery of the completion of AHEDD System Support Acceptance Testing	Software	Must be completed on or about 30 days prior to end of Project End Date (08/31/2019)	0
F-1.1.k 2018 Scope B – Invoice of the completion of AHEDD System Support Acceptance Testing Invoice	Non-Software, Written	Must be completed on or about 30 days prior to end of Project End Date	\$27,834
F-1.1.l Associated documentation	Written	Must be completed 8 days prior to end of Project End Date	0
F-1.1.m Knowledge Transfer Training	Non-Software, Written	Must be completed on or before end of Project End Date	0
F-1.1.n Production Implementation	Software	Must be completed on or before end of Project End Date	0
F-1.1.o Invoice for Holdback	Non-Software	Must be submitted upon successful completion of "Warranty Period" (on or before 90 days after Project End Date)	\$20,118



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

F-1.j Delivery of the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, ICD10 code formatting fix, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020)	.0
F-1.j.a Invoice for the completion of AHEDD system administration tasks (includes Nack Log Fix, Web Admin DB changes, standardization of relative path coding, ICD10 Code Table update, and replacement of outdated persistence software)	Software	Must be completed by Project End Date (03/31/2020) Using unspent funds from log monitoring, for needed surveillance system improvements impacting data quality and system performance	\$10,156
F-1.j.b Delivery of additional completed work through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix)	Software	Must be completed by Project End Date (03/31/2020)	0
F-1.j.c Invoice for additional work through the end of March (IC10 Code Table update, additional miss-spelled original town names mapped to political town, which includes an automated code fix)	Software	Must be complete by Project End Date (03/31/2020) Using unspent funds from log monitoring, to improve surveillance detection needs	\$8,022
F-1.j.d Delivery of additional task development through end of contract (Migration of Cognos Superutilizer reports to another reporting tool, such as Tableau)	Software	Must be complete by Project End Date (08/31/2020)	0



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support**

F-1.j.e Invoice for additional task development through end of contract (Migration of Cognos Superutilizer reports to another reporting tool, such as Tableau)	Software	Must be complete by Project End Date (08/31/2020) Grant funding from ELC grant used to migrate Cognos reports to Tableau (these are to expire on 12/2020)	\$10,000
Subtotal			\$241,189
TOTAL			\$241,189

1.3 Proposed Vendor Staff, Resource Hours and Rates Worksheet

The Proposed Vendor Staff Position, Resource Hours and Rates Worksheet shall indicate the individuals that will be assigned to the Project, their hours and applicable rates. Names are required for individuals designated for key roles; titles shall be used for others. Information is listed by phase.

Table 1.3 : Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours X Rate
Project Manager	Ram Prasad Tulturi	1076.30	626	254	\$36	\$70,427
Senior Developer #1	Pradeep Shukla	774	1627.15	267	\$32	\$85,381
Senior Developer #2	Praveen Kumar	774	1627.15	287	\$32	\$85,381
TOTALS						\$241,189

1.4 Future Vendor Rates Worksheet

The State may request additional Services from the selected Vendor. In the event that additional Service is required, Table 1.4 Future Vendor Rates Worksheet shall provide this information. "SFY" refers to State Fiscal Year. The New Hampshire State Fiscal Year runs from July 1 through June 30 of the following calendar year. Positions not identified in the Table 1.3 shall be included in the Future Vendor Rates Worksheet.



**New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEAD) System Support**

Table 1.4: Future Vendor Rates Worksheet

Position Title	SFY 2019	SFY2020	SFY2021
Project Manager	\$36	\$37	\$38
Position #1	\$32	\$34	\$36
Position #2	\$32	\$34	\$38

3. Modify Part 3, Exhibit B, Price and Payment Schedule, Section 2, Contract Price, to read:

2. CONTRACT PRICE

2.1 Notwithstanding any provision in the Contract to the contrary, and notwithstanding unexpected circumstances, in no event shall the total of all payments made by the State, Form P-37, General Provisions, Block 1.8, Price Limitation. The payment by the State of the total Contract price shall be the only, and the complete reimbursement to ASC for all fees and expenses, of whatever nature, incurred by ASC in the performance hereof.

2.2 The State will not be responsible for any travel or out of pocket expenses incurred in the performance of the Services performed under this Contract.

4. Modify Part 3, Exhibit H, Requirements, 3rd paragraph after "Attachment 1: Project Requirements is hereby incorporated within; and prior to "Section 1, Assumptions (Add To/Change This As Appropriate)", to read as follows: :

In conjunction with ASC's Project Management methodology, which shall be used to manage the Project's life cycle, the ASC team and the State shall finalize the Work Plan at the onset of the Project. This plan shall identify the tasks, Deliverables, major milestones, task dependencies, and a payment Schedule required to implement the Project. It shall also address intra-task dependencies, resource allocations (both State and ASC team members), refine the Project's scope, and establish the Project's Schedule. The Plan is documented in accordance with ASC's Work Plan and shall utilize Java, Cognos, Oracle Appex software to support the ongoing management of the Project.

5. Modify Part 3, Exhibit H, Requirements, Attachment 1: Project Requirements, Section Technical Requirements, to read as follows:

TECHNICAL REQUIREMENTS	W/O	Y/M/N	VENDOR COMMENTS
The Solution must comply with Open Standards as specified in RSA 21-R:10 and 21-R:13, including but not limited to Open Data Formats	M	Y	



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

The Solution must comply with State and Federal HL7 standards as referenced in links below: Federal Link - https://www.cdc.gov/nssp/documents/guides/syn drsurvmessaggguide2_messagingguide_phn.pdf State Link - https://www.dhhs.nh.gov/dphs/bphsi/documents/sslocalguide.pdf	M	Y	
The Solution must comply with State Information Technology (IT) currently supported web hosting software (includes Tomcat, IIS, and Java versions).	M	Y	
The Solution must comply with State IT standards for Server Deployments. These standards include, but are not limited to: Logging, Directory structures, Drive/storage, Rights, Ports, Security and Shares.	M	Y	
The Solution must comply with State IT latest web browser clients (such as Internet Explorer, etc.), which is important for AHEDD application.	M	Y	



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

This amendment shall be effective upon the date of Governor and Executive Council approval.

IN WITNESS WHEREOF, the parties have set their hands as of the date written below:

State of New Hampshire
Department of Health and Human Services

4/1/2020
Date

Annika Wilcox
Name: Annika Wilcox
Title: Director Assoc. Commissioners

Abacus Service Corporation:

3/23/2020
Date

April Szilagyi
Name: April Szilagyi
Title: Vice President

Acknowledgement of Contractor's signature:

State of Michigan County of Oakland on 3/20/20 before the undersigned officer, personally appeared the person identified directly above, or satisfactorily proven to be the person whose name is signed above, and acknowledged that she executed this document in the capacity indicated above.

Alanna Erving
Signature of Notary Public or Justice of the Peace

Alanna Erving, Notary Manager
Name and Title of Notary or Justice of the Peace

ALANNA ERVING
Notary Public - Michigan
Oakland County
My Comm. Expires 12/31/21

My Commission Expires: 12/31/21



New Hampshire Department of Health and Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support

The preceding Amendment, having been reviewed by this office, is approved as to form, substance, and execution.

OFFICE OF THE ATTORNEY GENERAL

7/17/00
Date

[Signature]
Name:
Title:

I hereby certify that the foregoing Amendment was approved by the Governor and Executive Council of the State of New Hampshire at the Meeting on: _____ (date of meeting)

OFFICE OF THE SECRETARY OF STATE

Date

Name:
Title:

17 mac

OCT 31 '18 AM 11:35 DRS



STATE OF NEW HAMPSHIRE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH SERVICES

Jeffrey A. Meyers
Commissioner

Lisa M. Norris
Director

29 HAZEN DRIVE, CONCORD, NH 03301
603-271-4501 1-800-852-3345 Ext. 4501
Fax: 603-271-4827 TDD Access: 1-800-735-3964
www.dhhs.nh.gov

October 15, 2018

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Health and Human Services (DHHS), Division of Public Health Services (DPHS), to enter into a Firm Fixed Price (FFP) contract with Abacus Service Corporation, 25925 Telegraph Road, Suite 206, Southfield, MI, 48033, (Vendor # 223048) to provide Information Technology support for the Automated Hospital Emergency Department Data (AHEDD) System, in an amount not to exceed \$231,189, effective upon Governor and Executive Council approval through August 31, 2020. Funding is 100% Federal Funds.

Funds for this request provided by the Centers for Disease Control and Prevention (CDC) National Syndromic Surveillance Program (NSSP) grant through August 31, 2020 are available in the following accounts for State Fiscal Year 2019, and anticipated to be available in the following account for State Fiscal Year 2020, upon availability and continued appropriation of funds in the future operating budget, with authority to adjust encumbrances between State Fiscal Years through the Budget Office without further approval from Governor and Executive Council, if needed and justified. Similarly 2019 and 2020 CDC Opioid Crisis funding was approved by CDC but is in the process of approval by the State of NH (reference the "TBD" annotations below).

05-95-90-902510-50940000 HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH SERVICES, BUREAU OF INFECTIOUS DISEASE CONTROL, SYNDROMIC SURVEILLANCE CAP (100% Federal Funds)

State Fiscal Year	Class / Account	Class Title	Job Number	Budget Amount
2019	102-500731	Contracts for Program Services	90027300	\$110,565
2020	102-500731	Contracts for Program Services	90027300	\$90,624
			Total:	\$201,189.00

05-95-90-902510-7039-HEALTH AND SOCIAL SERVICES, DEPT OF HEALTH AND HUMAN SERVICES, HHS: DIVISION OF PUBLIC HEALTH, BUREAU OF INFECTIOUS DISEASE CONTROL, Public Health Crisis Response (100% Federal Funds)

State Fiscal Year	Class / Account	Class Title	Job Number	Budget Amount
2019	102-500731	Contracts for Program Services	TBD	\$25,000
2020	102-500731	Contracts for Program Services	TBD	\$5,000
			Total:	\$30,000.00

EXPLANATION

Approval of this contract will allow the Department to improve and sustain syndromic (disease) surveillance coding, analysis, and reporting for the AHEDD system for greater efficiency and broader analytical early event detection of public health threats. All citizens of NH are impacted as this statewide surveillance system provides early event detection of reportable disease and other health risks, allowing NH Public Health to respond earlier to mitigate the impact of disease outbreak or health threat. The enhanced surveillance realized from this contract will help New Hampshire meet National Syndromic Surveillance System (NSSP) objectives to broaden data representativeness, improve data quality, and to enhance knowledge and the practice of syndromic surveillance for greater situational awareness state-wide, regionally and nationally. This contract will also bring DPHS into compliance with the NSSP Data Use Agreement, improving New Hampshire's ability to share data with NSSP regional and national partners.

This contract was competitively bid. The Department published a Request for Proposals (RFP) for Automated Hospital Emergency Department Data (AHEDD) Services and Enhanced Surveillance Processing (RFP #2017-026) on the Department of Health and Human Services' website November 28, 2017 through December 29, 2017. The Department received two (2) proposals from the same vendor for the two scopes of work, however the enhanced surveillance processing scope of work of the RFP was found to be invalid. The Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) requirement utilizes proprietary software owned by Johns Hopkins University Applied Physics Lab (JHUAPL). The only mechanism for obtaining these services is through a sole source contract with JHUAPL. The remaining proposal was evaluated based upon the criteria published in the RFP by a team of individuals with program specific knowledge and expertise. Abacus Service Corporation was the selected vendor. See attached Summary Score Sheet. As referenced in the Request for Proposals and in Section 2 of Contract 2017-026, this Agreement has the option to extend for one (1) additional year, contingent upon satisfactory delivery of services, available funding, agreement of the parties and approval of the Governor and Council.

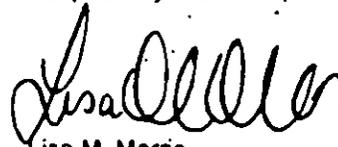
Should the Governor and Executive Council not authorize this request, the Department would be less able to respond to mitigate the impact of disease outbreaks or health threats in an expedient manner. In addition, the Department will have to return \$201,189 in federal money that has been approved for surveillance system enhancements. Overall, these improvements will lead to early event detection of infectious disease case in accordance with RSA 141-C.

Area served: Statewide.

Source of Funds: 100% Federal Funds from the United States Health and Human Services, Division of Public Health Services, Bureau of Infectious Disease Control, Syndromic Surveillance Cap. Code of Federal Domestic Assistance Number (CFDA) 93.283, Federal Award Identification Number (FAIN) 5 NU50OE000065-03-00.

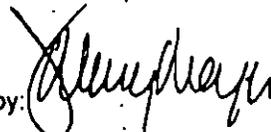
In the event that the Federal Funds become no longer available, General Funds will not be requested to support this program.

Respectfully submitted,



Lisa M. Morris
Director

Approved by:



Jeffrey A. Meyers
Commissioner



New Hampshire Department of Health and Human Services
Office of Business Operations
Contracts & Procurement Unit
Summary Scoring Sheet

Automated Hospital Emergency Department Data
(AHEDD) Support and Enhanced Surveillance
Processing

RFP-2017-026

RFP Name

RFP Number

Reviewer Names

Bidder Name

1. Abacus Service Corporation, Scope B

2. 0

3. 0

Pass/Fail	Maximum Points	Actual Points
	180	183
	180	0
	180	0

1. David Swenson, AHEDD Project Manager, DPHS
2. Kenneth Cuffari, AHEDD Surveillance Coordinator, DPHS
3. Eden Chase-Lucard, Admn II
4. Erin Metcalf, Surveillance Manager, BDC, DPHS



STATE OF NEW HAMPSHIRE
DEPARTMENT OF INFORMATION TECHNOLOGY

27 Hazen Dr., Concord, NH 03301
Fax: 603-271-1516 TDD Access: 1-800-735-2964
www.nh.gov/doi

Denis Goulet
Commissioner

October 30, 2018

Jeffrey A. Meyers, Commissioner
Department of Health and Human Services
State of New Hampshire
129 Pleasant Street
Concord, NH 03301

Dear Commissioner Meyers:

This letter represents formal notification that the Department of Information Technology (DoIT) has approved your agency's request to enter into a contract with Abacus Service Corporation as described below and referenced as DoIT No. 2017-026.

This is a request to enter into a contract with Abacus Service Corporation. This contract will provide support for the Automated Hospital Emergency Department Data (AHEDD) System. The goal for this contract is to improve and sustain syndromic (disease) surveillance coding, analysis, and reporting for the AHEDD system for greater efficiency and broader analytical early event detection of public health threats.

The amount of the contract is not to exceed \$231,189.00, and shall become effective upon the date of Governor and Executive Council approval through August 31, 2020.

A copy of this letter should accompany the Department of Health and Human Services' submission to the Governor and Executive Council for approval.

Sincerely,

Denis Goulet

DG/ka/ck
DoIT #2017-026

cc: Bruce Smith, IT Manager, DoIT

STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support (2017-026)
AGREEMENT- PART 1

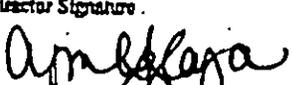
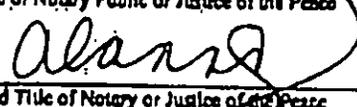
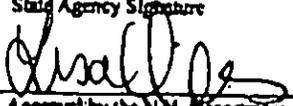
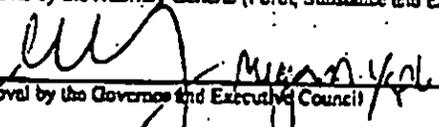
Subject: Automated Hospital Emergency Department Data (AHEDD) System Support (2017-026)

AGREEMENT

The State of New Hampshire and the Contractor hereby mutually agree as follows:

GENERAL PROVISIONS

I. IDENTIFICATION.

1.1 State Agency Name Department of Health and Human Services		1.2 State Agency Address 129 Pleasant Street, Concord, NH 03301-3857	
1.3 Contractor Name Abacus Service Corporation		1.4 Contractor Address 25925 Telegraph Rd., Suite 206 Southfield, MI 48033	
1.5 Contractor Phone Number 248-522-8005	1.6 Account Number: 3745 05-95-90-902510-50940000- 102-508731, 90027300 + 01-13	1.7 Completion Date August 31, 2020	1.8 Price Limitation \$231,189
1.9 Contracting Officer for State Agency Nathan D. White Director, Contracts & Procurements		1.10 State Agency Telephone Number 603-271-9631	
1.11 Contractor Signature 		1.11 Name and Title of Contractor Signatory April Szlaga, Vice President	
1.13 Acknowledgement: State of Michigan, County of Oakland On 10/11/18, before the undersigned officer, personally appeared the person identified in block 1.12, or satisfactorily proven to be the person whose name is signed in block 1.11, and acknowledged that s/he executed this document in the capacity indicated in block 1.12.			
1.13.1 Signature of Notary Public or Justice of the Peace 		ALANNA ERVING Notary Public - Michigan Oakland County My Comm. Expires 12/31/21	
1.13.2 Name and Title of Notary or Justice of the Peace Alanna Erving, Accounting & HR Manager			
1.14 State Agency Signature 		1.15 Name and Title of State Agency Signatory LISA MORRIS, DIRECTOR DPHS	
1.16 Approved by the N.H. Department of Administration, Division of Personnel (if applicable) By: _____ Director, On: _____			
1.17 Approval by the Attorney General (Form, Substance and Execution) By:  On: 10/23/18			
1.18 Approval by the Governor and Executive Council By: _____ On: _____			

2. EMPLOYMENT OF CONTRACTOR/SERVICES TO BE PERFORMED. The State of New Hampshire, acting through the agency identified in block 1.1 ("State"), engages contractor identified in block 1.3 ("Contractor") to perform, and the Contractor shall perform, the work or sale of goods, or both, identified and more particularly described in the attached EXHIBIT A which is incorporated herein by reference ("Services").

3. EFFECTIVE DATE/COMPLETION OF SERVICES.

3.1 Notwithstanding any provision of this Agreement to the contrary, and subject to the approval of the Governor and Executive Council of the State of New Hampshire, this Agreement, and all obligations of the parties hereunder, shall not become effective until the date the Governor and Executive Council approve this Agreement ("Effective Date").

3.2 If the Contractor commences the Services prior to the Effective Date, all Services performed by the Contractor prior to the Effective Date shall be performed at the sole risk of the Contractor, and in the event that this Agreement does not become effective, the State shall have no liability to the Contractor, including without limitation, any obligation to pay the Contractor for any costs incurred or Services performed. Contractor must complete all Services by the Completion Date specified in block 1.7.

4. CONDITIONAL NATURE OF AGREEMENT.

Notwithstanding any provision of this Agreement to the contrary, all obligations of the State hereunder, including, without limitation, the continuance of payments hereunder, are contingent upon the availability and continued appropriation of funds, and in no event shall the State be liable for any payments hereunder in excess of such available appropriated funds. In the event of a reduction or termination of appropriated funds, the State shall have the right to withhold payment until such funds become available, if ever, and shall have the right to terminate this Agreement immediately upon giving the Contractor notice of such termination. The State shall not be required to transfer funds from any other account to the Account identified in block 1.6 in the event funds in that Account are reduced or unavailable.

5. CONTRACT PRICE/PRICE LIMITATION/ PAYMENT.

5.1 The contract price, method of payment, and terms of payment are identified and more particularly described in EXHIBIT B which is incorporated herein by reference.

5.2 The payment by the State of the contract price shall be the only and the complete reimbursement to the Contractor for all expenses, of whatever nature incurred by the Contractor in the performance hereof, and shall be the only and the complete compensation to the Contractor for the Services. The State shall have no liability to the Contractor other than the contract price.

5.3 The State reserves the right to offset from any amounts otherwise payable to the Contractor under this Agreement

those liquidated amounts required or permitted by N.H. RSA 80:7 through RSA 80:7-c or any other provision of law.

5.4 Notwithstanding any provision in this Agreement to the contrary, and notwithstanding unexpected circumstances, in no event shall the total of all payments authorized, or actually made hereunder, exceed the Price Limitation set forth in block 1.8.

6. COMPLIANCE BY CONTRACTOR WITH LAWS AND REGULATIONS/ EQUAL EMPLOYMENT OPPORTUNITY.

6.1 In connection with the performance of the Services, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county or municipal authorities which impose any obligation or duty upon the Contractor, including, but not limited to, civil rights and equal opportunity laws. In addition, the Contractor shall comply with all applicable copyright laws.

6.2 During the term of this Agreement, the Contractor shall not discriminate against employees or applicants for employment because of race, color, religion, creed, age, sex, handicap, sexual orientation, or national origin and will take affirmative action to prevent such discrimination.

6.3 If this Agreement is funded in any part by monies of the United States, the Contractor shall comply with all the provisions of Executive Order No. 11246 ("Equal Employment Opportunity"), as supplemented by the regulations of the United States Department of Labor (41 C.F.R. Part 60), and with any rules, regulations and guidelines as the State of New Hampshire or the United States issue to implement these regulations. The Contractor further agrees to permit the State or United States access to any of the Contractor's books, records and accounts for the purpose of ascertaining compliance with all rules, regulations and orders, and the covenants, terms and conditions of this Agreement.

7. PERSONNEL.

7.1 The Contractor shall at its own expense provide all personnel necessary to perform the Services. The Contractor warrants that all personnel engaged in the Services shall be qualified to perform the Services, and shall be properly licensed and otherwise authorized to do so under all applicable laws.

7.2 Unless otherwise authorized in writing, during the term of this Agreement, and for a period of six (6) months after the Completion Date in block 1.7, the Contractor shall not hire, and shall not permit any subcontractor or other person, firm or corporation with whom it is engaged in a combined effort to perform the Services to hire, any person who is a State employee or official, who is materially involved in the procurement, administration or performance of this Agreement. This provision shall survive termination of this Agreement.

7.3 The Contracting Officer specified in block 1.9, or his or her successor, shall be the State's representative. In the event of any dispute concerning the interpretation of this Agreement, the Contracting Officer's decision shall be final for the State.

8. EVENT OF DEFAULT/REMEDIES.

8.1 Any one or more of the following acts or omissions of the Contractor shall constitute an event of default hereunder ("Event of Default"):

8.1.1 failure to perform the Services satisfactorily or on schedule;

8.1.2 failure to submit any report required hereunder; and/or

8.1.3 failure to perform any other covenant, term or condition of this Agreement.

8.2 Upon the occurrence of any Event of Default, the State may take any one, or more, or all, of the following actions:

8.2.1 give the Contractor a written notice specifying the Event of Default and requiring it to be remedied within, in the absence of a greater or lesser specification of time, thirty (30) days from the date of the notice; and if the Event of Default is not timely remedied, terminate this Agreement, effective two (2) days after giving the Contractor notice of termination;

8.2.2 give the Contractor a written notice specifying the Event of Default and suspending all payments to be made under this Agreement and ordering that the portion of the contract price which would otherwise accrue to the Contractor during the period from the date of such notice until such time as the State determines that the Contractor has cured the Event of Default shall never be paid to the Contractor;

8.2.3 set off against any other obligations the State may owe to the Contractor any damages the State suffers by reason of any Event of Default; and/or

8.2.4 treat the Agreement as breached and pursue any of its remedies at law or in equity, or both.

9. DATA/ACCESS/CONFIDENTIALITY/PRESERVATION.

9.1 As used in this Agreement, the word "data" shall mean all information and things developed or obtained during the performance of, or acquired or developed by reason of, this Agreement, including, but not limited to, all studies, reports, files, formulae, surveys, maps, charts, sound recordings, video recordings, pictorial reproductions, drawings, analyses, graphic representations, computer programs, computer printouts, notes, letters, memoranda, papers, and documents, all whether finished or unfinished.

9.2 All data and any property which has been received from the State or purchased with funds provided for that purpose under this Agreement, shall be the property of the State, and shall be returned to the State upon demand or upon termination of this Agreement for any reason.

9.3 Confidentiality of data shall be governed by N.H. RSA chapter 91-A or other existing law. Disclosure of data requires prior written approval of the State.

10. **TERMINATION.** In the event of an early termination of this Agreement for any reason other than the completion of the Services, the Contractor shall deliver to the Contracting Officer, not later than fifteen (15) days after the date of

termination, a report ("Termination Report") describing in detail all Services performed, and the contract price earned, to and including the date of termination. The form, subject matter, content, and number of copies of the Termination Report shall be identical to those of any Final Report described in the attached EXHIBIT A.

11. **CONTRACTOR'S RELATION TO THE STATE.** In the performance of this Agreement the Contractor is in all respects an independent contractor, and is neither an agent nor an employee of the State. Neither the Contractor nor any of its officers, employees, agents or members shall have authority to bind the State or receive any benefits, workers' compensation or other emoluments provided by the State to its employees.

12. **ASSIGNMENT/DELEGATION/SUBCONTRACTS.** The Contractor shall not assign, or otherwise transfer any interest in this Agreement without the prior written consent of the N.H. Department of Administrative Services. None of the Services shall be subcontracted by the Contractor without the prior written consent of the State.

13. **INDEMNIFICATION.** The Contractor shall defend, indemnify and hold harmless the State, its officers and employees, from and against any and all losses suffered by the State, its officers and employees, and any and all claims, liabilities or penalties asserted against the State, its officers and employees, by or on behalf of any person, on account of, based or resulting from, arising out of (or which may be claimed to arise out of) the acts or omissions of the Contractor. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved to the State. This covenant in paragraph 13 shall survive the termination of this Agreement.

14. INSURANCE.

14.1 The Contractor shall, at its sole expense, obtain and maintain in force, and shall require any subcontractor or assignee to obtain and maintain in force, the following insurance:

14.1.1 comprehensive general liability insurance against all claims of bodily injury, death or property damage, in amounts of not less than \$250,000 per claim and \$2,000,000 per occurrence; and

14.1.2 fire and extended coverage insurance covering all property subject to subparagraph 9.2 herein, in an amount not less than 80% of the whole replacement value of the property.

14.2 The policies described in subparagraph 14.1 herein shall be on policy forms and endorsements approved for use in the State of New Hampshire by the N.H. Department of Insurance, and issued by insurers licensed in the State of New Hampshire.

14.3 The Contractor shall furnish to the Contracting Officer identified in block 1.9, or his or her successor, a certificate(s) of insurance for all insurance required under this Agreement. Contractor shall also furnish to the Contracting Officer

identified in block 1.9, or his or her successor, certificate(s) of insurance for all renewal(s) of insurance required under this Agreement no later than fifteen (15) days prior to the expiration date of each of the insurance policies. The certificate(s) of insurance and any renewals thereof shall be attached and are incorporated herein by reference. Each certificate(s) of insurance shall contain a clause requiring the insurer to endeavor to provide the Contracting Officer identified in block 1.9, or his or her successor, no less than ten (10) days prior written notice of cancellation or modification of the policy.

15. WORKERS' COMPENSATION.

15.1 By signing this agreement, the Contractor agrees, certifies and warrants that the Contractor is in compliance with or exempt from, the requirements of N.H. RSA chapter 281-A ("Workers' Compensation").

15.2 To the extent the Contractor is subject to the requirements of N.H. RSA chapter 281-A, Contractor shall maintain, and require any subcontractor or assignee to secure and maintain, payment of Workers' Compensation in connection with activities which the person proposes to undertake pursuant to this Agreement. Contractor shall furnish the Contracting Officer identified in block 1.9, or his or her successor, proof of Workers' Compensation in the manner described in N.H. RSA chapter 281-A and any applicable renewal(s) thereof, which shall be attached and are incorporated herein by reference. The State shall not be responsible for payment of any Workers' Compensation premiums or for any other claim or benefit for Contractor, or any subcontractor or employee of Contractor, which might arise under applicable State of New Hampshire Workers' Compensation laws in connection with the performance of the Services under this Agreement.

16. WAIVER OF BREACH. No failure by the State to enforce any provisions hereof after any Event of Default shall be deemed a waiver of its rights with regard to that Event of Default, or any subsequent Event of Default. No express failure to enforce any Event of Default shall be deemed a waiver of the right of the State to enforce each and all of the provisions hereof upon any further or other Event of Default on the part of the Contractor.

17. NOTICE. Any notice by a party hereto to the other party shall be deemed to have been duly delivered or given at the time of mailing by certified mail, postage prepaid, in a United States Post Office addressed to the parties at the addresses given in blocks 1.2 and 1.4, herein.

18. AMENDMENT. This Agreement may be amended, waived or discharged only by an instrument in writing signed by the parties hereto and only after approval of such amendment, waiver or discharge by the Governor and Executive Council of the State of New Hampshire.

19. CONSTRUCTION OF AGREEMENT AND TERMS.

This Agreement shall be construed in accordance with the laws of the State of New Hampshire, and is binding upon and inures to the benefit of the parties and their respective successors and assigns. The wording used in this Agreement is the wording chosen by the parties to express their mutual intent, and no rule of construction shall be applied against or in favor of any party.

20. THIRD PARTIES. The parties hereto do not intend to benefit any third parties and this Agreement shall not be construed to confer any such benefit.

21. HEADINGS. The headings throughout the Agreement are for reference purposes only, and the words contained therein shall in no way be held to explain, modify, amplify or aid in the interpretation, construction or meaning of the provisions of this Agreement.

22. SPECIAL PROVISIONS. Additional provisions set forth in the attached EXHIBIT C are incorporated herein by reference.

23. SEVERABILITY. In the event any of the provisions of this Agreement are held by a court of competent jurisdiction to be contrary to any state or federal law, the remaining provisions of this Agreement will remain in full force and effect.

24. ENTIRE AGREEMENT. This Agreement, which may be executed in a number of counterparts, each of which shall be deemed an original, constitutes the entire Agreement and understanding between the parties, and supersedes all prior Agreements and understandings relating hereto.

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TERMS AND DEFINITIONS

The following general contracting terms and definitions apply except as specifically noted elsewhere in this document.

Acceptance	Notice from the State that a Deliverable has satisfied Acceptance Test or Review.
Acceptance Letter	An Acceptance Letter provides notice from the State that a Deliverable has satisfied Acceptance Tests or Review.
Acceptance Period	The timeframe during which the Acceptance Test is performed
Acceptance Test Plan	The Acceptance Test Plan provided by the Vendor and agreed to by the State that describes at a minimum, the specific Acceptance process, criteria, and Schedule for Deliverables.
Acceptance Test and Review	Tests performed to determine that no Defects exist in the application Software or the System
Access Control	Supports the management of permissions for logging onto a computer or network
Agreement	A contract duly executed and legally binding.
Appendix	Supplementary material that is collected and appended at the back of a document
Audit Trail Capture and Analysis	Supports the identification and monitoring of activities within an application or system
Best and Final Offer (BAFO)	For negotiated procurements, a Vendor's final offer following the conclusion of discussions.
CCP	Change Control Procedures
Certification	The Vendor's written declaration with full supporting and written Documentation (including without limitation test results as applicable) that the Vendor has completed development of the Deliverable and certified its readiness for applicable Acceptance Testing or Review.
Change Control	Formal process for initiating changes to the proposed solution or process once development has begun.
Change Order	Formal documentation prepared for a proposed change in the Specifications.
CM	Configuration Management
Completion Date	End date for the Contract
Confidential Information	Information required to be kept Confidential from unauthorized disclosure under the Contract
Contract	This Agreement between the State of New Hampshire and a Vendor, which creates binding obligations for each party to perform as specified in the Contract Documents.
Contract Agreement	Part 1 and Part 2. The documentation consisting of both the General Provisions and the Exhibits which represents the understanding and acceptance of the reciprocal legal rights and duties of the parties

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	with respect to the Scope of Work
Contract Conclusion	Refers to the conclusion of the Contract, for any reason, including but not limited to, the successful Contract completion, termination for convenience, or termination for default.
Contract Documents	Documents that comprise this Contract (See Contract Agreement, Section 1.1)
Contract Managers	The persons identified by the State and the Vendor who shall be responsible for all contractual authorization and administration of the Contract. These responsibilities shall include but not be limited to processing Contract Documentation, obtaining executive approvals, tracking costs and payments, and representing the parties in all Contract administrative activities. (See Section 4: <i>Contract Management</i>)
Contract Price	The total, not to exceed amount to be paid by the State to the Contractor for product and services described in the Contract Agreement. This amount is listed in the General Provisions Section 1.8 as well as Exhibit B Paragraph 2.
Contractor	The Vendor whose proposal or quote was awarded the Contract with the State and who is responsible for the Services and Deliverables of the Contract.
Contracted Vendor/Vendor	The Vendor whose proposal or quote was awarded the Contract with the State and who is responsible for the Services and Deliverables of the Contract.
Conversion Test	A test to ensure that a Data conversion process correctly takes Data from a legacy system and successfully converts it to a form that can be used by the new System.
COTS	Commercial Off-The-Shelf Software
CR	Change Request
Cure Period	The thirty (30) day period following written notification of a default within which a contracted vendor must cure the default identified.
Custom Code	Code developed by the Vendor specifically for this project for the State of New Hampshire
Custom Software	Software developed by the Vendor specifically for this project for the State of New Hampshire
Data	State's records, files, forms, Data and other documents or information, in either electronic or paper form, that will be used /converted by the Vendor during the Contract Term
DBA	Database Administrator
Deficiencies/Defects	A failure, deficiency or defect in a Deliverable resulting in a Deliverable, the Software, or the System, not conforming to its Specifications. Class A Deficiency – Software - Critical, does not allow System to operate, no work around, demands immediate action; <i>Written Documentation</i> - missing significant portions of information or

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	<p>unintelligible to State; <i>Non-Software</i> - Services were inadequate and require re-performance of the Service.</p> <p>Class B Deficiency – Software - important, does not stop operation and/or there is a work around and user can perform tasks; <i>Written Documentation</i> - portions of information are missing but not enough to make the document unintelligible; <i>Non Software</i> - Services were deficient, require reworking, but do not require re-performance of the Service.</p> <p>Class C Deficiency – Software - minimal, cosmetic in nature, minimal effect on System, low priority and/or user can use System; <i>Written Documentation</i> - minimal changes required and of minor editing nature; <i>Non Software</i> - Services require only minor reworking and do not require re-performance of the Service.</p>
Deliverable	A Deliverable is any Written, Software, or Non-Software Deliverable (letter, report, manual, book, other), provided by the Vendor to the State or under the terms of a Contract requirement.
Department	An agency of the State
Department of Information Technology (DoIT)	The Department of Information Technology established under RSA 21-R by the Legislature effective September 5, 2008.
Documentation	All information that describes the installation, operation, and use of the Software, either in printed or electronic format.
Digital Signature	Guarantees the unaltered state of a file
Effective Date	The Contract and all obligations of the parties hereunder shall become effective on the date the Governor and the Executive Council of the State of New Hampshire approves the Contract
Encryption	Supports the transformation of data for security purposes
Enhancements	Updates, additions, modifications to, and new releases for the Software, and all changes to the Documentation as a result of Enhancements, including, but not limited to, Enhancements produced by Change Orders
Firm Fixed Price Contract	A Firm-Fixed-Price Contract provides a price that is not subject to increase, i.e., adjustment on the basis of the Vendor's cost experience in performing the Contract
Fully Loaded	Rates are inclusive of all allowable expenses, including, but not limited to: meals, hotel/housing, airfare, car rentals, car mileage, and out of pocket expenses
GAAP	Generally Accepted Accounting Principles
Governor and Executive Council	The New Hampshire Governor and Executive Council.
Harvest	Software to archive and/or control versions of software
Health Level Seven	Refers to a set of international standards for transfer of clinical and

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	administrative data between software applications used by various healthcare providers.
Identification and Authentication	Supports obtaining information about those parties attempting to log on to a system or application for security purposes and the validation of those users
Implementation	The process for making the System fully operational for processing the Data.
Implementation Plan	Sets forth the transition from development of the System to full operation, and includes without limitation, training, business and technical procedures.
Information Technology (IT)	Refers to the tools and processes used for the gathering, storing, manipulating, transmitting, sharing, and sensing of information including, but not limited to, Data processing, computing, information systems, telecommunications, and various audio and video technologies.
Input Validation	Ensure that the values entered by users or provided by other applications meets the size, type and format expected. Protecting the application from cross site scripting, SQL injection, buffer overflow, etc.
Intrusion Detection	Supports the detection of illegal entrance into a computer system
Invoking Party	In a dispute, the party believing itself aggrieved
Key Project Staff	Personnel identified by the State and by <CONTRACTOR> as essential to work on the Project.
Licensee	The State of New Hampshire
Meaningful Use	The use of certified electronic health record (EHR) technology to: Improve quality, safety, efficiency, and reduce health disparities. Engage patients and family. Improve care coordination, and population and public health. Maintain privacy and security of patient health information.
Non Exclusive Contract	A contract executed by the State that does not restrict the State from seeking alternative sources for the Deliverables or Services provided under the Contract.
Non-Software Deliverables	Deliverables that are not Software Deliverables or Written Deliverables, e.g., meetings, help support, services, other
Normal Business Hours	Normal Business Hours - 8:00 a.m. to 5:00 p.m. EST, Monday through Friday excluding State of New Hampshire holidays. State holidays are: New Year's Day, Martin Luther King Day, President's Day, Memorial Day, July 4 th , Labor Day, Veterans Day, Thanksgiving Day, the day after Thanksgiving Day, and Christmas Day. Specific dates will be provided
Notice to Proceed (NTP)	The State Contract Manager's written direction to the Vendor to begin work on the Contract on a given date and time
Open Data Formats	A data format based on an underlying Open Standard.
Open Source Software	Software that guarantees the user unrestricted use of the

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	Software as defined in RSA 21-R:10 and RSA 21-R:11.
Open Standards	Specifications for the encoding and transfer of computer data that is defined in RSA 21-R:10 and RSA 21-R:13.
Operating System	System is fully functional, all Data has been loaded into the System, is available for use by the State in its daily operations.
Operational	Operational means that the System is operating and fully functional, all Data has been loaded; the System is available for use by the State in its daily operations, and the State has issued an Acceptance Letter.
Order of Precedence	The order in which Contract/Documents control in the event of a conflict or ambiguity. A term or condition in a document controls over a conflicting or ambiguous term or condition in a document that is lower in the Order of Precedence.
Project	The planned undertaking regarding the entire subject matter of an RFP and Contract and the activities of the parties related hereto.
Project Team	The group of State employees and contracted Vendor's personnel responsible for managing the processes and mechanisms required such that the Services are procured in accordance with the Work Plan on time, on budget and to the required specifications and quality.
Project Management Plan	A document that describes the processes and methodology to be employed by the Vendor to ensure a successful Project.
Project Managers	The persons identified who shall function as the State's and the Vendor's representative with regard to Review and Acceptance of Contract Deliverables, invoice sign off, and review and approval of Change Requests (CR) utilizing the Change Control Procedures (CCP).
Project Staff	State personnel assigned to work with the Vendor on the Project.
Proposal	The submission from a Vendor in response to the Request for a Proposal or Statement of Work.
Regression Test Plan	A plan integrated into the Work Plan used to ascertain whether fixes to Defects have caused errors elsewhere in the application/process.
Review	The process of reviewing Deliverables for Acceptance.
Review Period	The period set for review of a Deliverable. If none is specified then the Review Period is five (5) business days.
RFP (Request for Proposal)	A Request For Proposal solicits Proposals to satisfy State functional requirements by supplying data processing product and/or Service resources according to specific terms and conditions.
Role/Privilege Management	Supports the granting of abilities to users or groups of users of a computer, application or network.
SaaS- Software as a Service	Occurs where the COTS application is hosted but the State does not own the license or the code. The vendor allows the use of the software as a part of their service.
Schedule	The dates described in the Work Plan for deadlines for performance.

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	of Services and other Project events and activities under the Contract
Service Level Agreement (SLA)	A signed agreement between the Vendor and the State specifying the level of Service that is expected of, and provided by, the Vendor during the term of the Contract.
Services	The work or labor to be performed by the Vendor on the Project as described in the Contract.
Software	All custom Software and COTS Software provided by the Vendor under the Contract
Software Deliverables	COTS Software and Enhancements
Software License	Licenses provided to the State under this Contract
Solution	The Solution consists of the total Solution, which includes, without limitation, Software and Services, addressing the requirements and terms of the Specifications. The off-the-shelf Software and configured Software customized for the State provided by the Vendor in response to this RFP.
Specifications	The written Specifications that set forth the requirements which include, without limitation, this RFP, the Proposal, the Contract, any performance standards, Documentation, applicable State and federal policies, laws and regulations, State technical standards, subsequent State-approved Deliverables, and other Specifications and requirements described in the Contract Documents. The Specifications are, by this reference, made a part of the Contract as though completely set forth herein.
State	STATE is defined as: State of New Hampshire/Department of Health & Human Services/Division of Public Health Services Reference to the term "State" shall include applicable agencies
Statement of Work (SOW)	A Statement of Work clearly defines the basic requirements and objectives of a Project. The Statement of Work also defines a high level view of the architecture, performance and design requirements, the roles and responsibilities of the State and the Vendor. The Contract Agreement SOW defines the results that the Vendor remains responsible and accountable for achieving.
State's Confidential Records	State's information regardless of its form that is not subject to public disclosure under applicable state and federal laws and regulations, including but not limited to <u>RSA Chapter 91-A</u>
State Data	Any information contained within State systems in electronic or paper format.
State Fiscal Year (SFY)	The New Hampshire State Fiscal Year extends from July 1 st through June 30 th of the following calendar year
State Project Leader	State's representative with regard to Project oversight
State's Project Manager (PM)	State's representative with regard to Project management and technical matters. Agency Project Managers are responsible for review and Acceptance of specific Contract Deliverables, invoice

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	sign off, and Review and approval of a Change Proposal (CP).
Subcontractor	A person, partnership, or company not in the employment of, or owned by, the Vendor, which is performing Services under this Contract under a separate Contract with or on behalf of the Vendor
System	All Software, specified hardware, and interfaces and extensions, integrated and functioning together in accordance with the Specifications.
TBD	To Be Determined
Technical Authorization	Direction to a Vendor, which fills in details, clarifies, interprets, or specifies technical requirements. It must be: (1) consistent with Statement of Work within statement of Services; (2) not constitute a new assignment; and (3) not change the terms, documents of specifications of the Contract Agreement
Test Plan	A plan, integrated in the Work Plan, to verify the code (new or changed) works to fulfill the requirements of the Project. It may consist of a timeline, a series of tests and test data, test scripts and reports for the test results as well as a tracking mechanism.
Term	Period of the Contract from the Effective Date through termination.
Transition Services	Services and support provided when <CONTRACTOR> is supporting System changes.
UAT	User Acceptance Test
Unit Test	Developers create their own test data and test scenarios to verify the code they have created or changed functions properly as defined.
User Acceptance Testing	Tests done by knowledgeable business users who are familiar with the scope of the Project. They create/develop test cases to confirm the System was developed according to specific user requirements. The test cases and scripts/scenarios should be mapped to business requirements outlined in the user requirements documents.
User Management	Supports the administration of computer, application and network accounts within an organization
Vendor/ Contracted Vendor	The Vendor whose proposal or quote was awarded the Contract with the State and who is responsible for the Services and Deliverables of the Contract.
Verification	Supports the confirmation of authority to enter a computer system, application or network
Walk Through	A step-by-step review of a Specification, usability features or design before it is handed off to the technical team for development.
Warranty Period	A period of coverage during which <CONTRACTOR> is responsible for providing a guarantee for products and Services delivered as defined in the Contract.
Warranty Releases	Code releases that are done during the Warranty Period.
Warranty Services	The Services to be provided by the Vendor during the Warranty Period.

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Work Hours	Vendor personnel shall work normal business hours between 8:00 am and 5:00 pm, eight (8) hour days, forty (40) hour weeks, excluding State of New Hampshire holidays. Changes to this schedule may be made upon agreement with the State Project Manager.
Work Plan	The overall plan of activities for the Project created in accordance with the Contract. The plan and delineation of tasks, activities and events to be performed and Deliverables to be produced under the Project as specified in Appendix C. The Work Plan shall include a detailed description of the Schedule, tasks/activities, Deliverables, critical events, task dependencies, and the resources that would lead and/or participate on each task.
Written Deliverables	Non-Software written deliverable Documentation (letter, report, manual, book, other) provided by the Vendor either in paper or electronic format.

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INTRODUCTION

This Contract is by and between the State of New Hampshire, acting through New Hampshire Department of Information Technology (DoIT) on behalf of the Department of Health & Human Services (DHHS) ("State"), and Abacus Service Corporation (ASC), a Michigan Corporation, ("Abacus Service Corporation" and/or "Contractor"), having its principal place of business at 25925 Telegraph Rd., Suite 206, Southfield, Michigan 48033.

RECITALS

The State desires to have ASC provide Maintenance and Support and associated services for the State, including:

- Information Technology (IT) support to develop and maintain database and Java system code and Cognos;
- Technical development support to allow all New Hampshire acute-care hospital Emergency Departments to send their data to the State of New Hampshire via Rhapsody Integration Engine software;
- Remote set-up and support the new integrated surveillance system using a Virtual Private Network (VPN) Remote Desktop access;
- Working closely with the NH Department of Information Technology (DoIT) staff during the set-up process.
- Provide a highly skilled team with significant experience and expertise in their area of technology.
- Provide a team of highly skilled developers with experience in java coding, database management, testing and maintenance and support activities, to continuously support the development, database and testing activities of the Department.

The Contractor desires from the State;

- Virtual Private Network (VPN) Remote Desktop access within two (2) business weeks of a request, working with DoIT partners (Network Operations, Desktop Services, etc.), to complete the request allowing the Contractor to work remotely but access State equipment to perform necessary contract work.

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The parties therefore agree as follows:

1. CONTRACT DOCUMENTS

1.1 CONTRACT DOCUMENTS

This Contract is comprised of the following documents (Contract Documents):

- A. The Contract Agreement – General Provisions
- B. Consolidated Exhibits
 - Exhibit A- Contract Deliverables
 - Exhibit B- Price and Payment Schedule
 - Exhibit C- Special Provisions
 - Exhibit D- Administrative Services
 - Exhibit E- Implementation Services
 - Exhibit F- Testing Services
 - Exhibit G- Maintenance and Support Services
 - Exhibit H- Requirements
 - Exhibit I- Work Plan
 - Exhibit J- Software License and Related Terms
 - Exhibit K- Warranty and Warranty Services
 - Exhibit L- Training Services
 - Exhibit M- Attachments and Incorporated Documents

1.2 ORDER OF PRECEDENCE

In the event of conflict or ambiguity among any of the text of the Contract Documents, the following Order of Precedence shall govern:

- a. *The State of New Hampshire Terms and Conditions, Contract Agreement.*
- b. State of New Hampshire, DEPARTMENT OF HEALTH & HUMAN SERVICES Contract 2017-026 with Exhibits
- c. State of New Hampshire, DEPARTMENT OF HEALTH & HUMAN SERVICES RFP 2017-026
- d. Vendor Proposal response to RFP 2017-026

2. CONTRACT TERM

The Contract and all obligations of the parties hereunder shall become effective after full execution by the parties, and the receipt of required governmental approvals, including, but not limited to, Governor and Executive Council of the State of New Hampshire approval ("Effective Date").

The Contract shall begin on the Effective Date and extend through August 31, 2020. The Term may be extended up to one (1) additional year, ("Extended Term") at the sole option of the State, subject to the parties prior written agreement on applicable fees for each extended term, upon Governor and Executive Council approval.

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ASC shall commence work upon issuance of a Notice to Proceed by the State.

The State does not require ASC to commence work prior to the Effective Date; however, if ASC commences work prior to the Effective Date and a Notice to Proceed, such work shall be performed at the sole risk of ASC. In the event that the Contract does not become effective, the State shall be under no obligation to pay ASC for any costs incurred or Services performed; however, if the Contract becomes effective, all costs incurred prior to the Effective Date shall be paid under the terms of the Contract.

3. COMPENSATION

3.1 CONTRACT PRICE

The Contract Price, method of payment, and terms of payment are identified and more particularly described in Contract Exhibit B: *Price and Payment Schedule*.

The payment by the State of the contract price shall be the only and the complete reimbursement to the ASC for all expenses, of whatever nature incurred by the ASC in the performance hereof, and shall be the only and the complete compensation to the ASC for the services. The State shall have no liability to the ASC other than the Contract Price.

The State reserves the right to offset from any amounts otherwise payable to the ASC under this Agreement those liquidated amounts required or permitted by N.H. RSA80:7 through RSA 80:7-c or any other provision of law.

Notwithstanding any provision in this Agreement to the contrary, and notwithstanding unexpected circumstances, in no event shall the total of all payments, authorized or actually made hereunder, exceed the Price Limitation set forth in General Provisions Page 1, block 1.8.

3.2 NON-EXCLUSIVE, NOT TO EXCEED CONTRACT

This is a Non-Exclusive, Not To Exceed Contract with price and term limitations as set forth in the Contract.

The State reserves the right, at its discretion, to retain other vendors to provide any of the Services or Deliverables identified under this procurement or make an award by item, part or portion of an item, group of items, or total Proposal. ASC shall not be responsible for any delay, act, or omission of such other vendors, except that ASC shall be responsible for any delay, act, or omission of the other vendors if such delay, act, or omission is caused by or due to the fault of ASC.

Notwithstanding any other provision of the Contract to the contrary, in no event shall total payments under the Contract exceed the amount listed in block 1.8 Price Limitation of page 1 of the General Provisions.

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4. CONTRACT MANAGEMENT

The Project will require the coordinated efforts of a Project Team consisting of both ASC and State personnel. ASC shall provide all necessary resources to perform its obligations under the Contract. ASC shall be responsible for managing the Project to its successful completion.

4.1 THE VENDOR'S CONTRACT MANAGER

ASC shall assign a Contract Manager who shall be responsible for all Contract authorization and administration. ASC's Contract Manager is:

April Szlaga
Operations Director
Abacus Service Corporation
25925 Telegraph Rd., Suite 206
Southfield, MI 48033
Tel. 248-522-8005
Email: april@abacus-service.com

4.2 THE VENDOR'S PROJECT MANAGER

4.2.1 Contract Project Manager

ASC shall assign a Project Manager who meets the requirements of the Contract. ASC's selection of the Contracted Vendor Project Manager shall be subject to the prior written approval of the State. The State's approval process may include, without limitation, at the State's discretion, review of the proposed ASC Project Manager's resume, qualifications, references, and background checks, and an interview. The State may require removal or reassignment of ASC's Project Manager who, in the sole judgment of the State, is found unacceptable or is not performing to the State's satisfaction.

4.2.2 ASC Project Manager must be qualified to perform the obligations required of the position under the Contract, shall have full authority to make binding decisions under the Contract, and shall function as ASC's representative for all administrative and management matters. ASC's Project Manager shall perform the duties required under the Contract; including, but not limited to, those set forth in Exhibit I, Section 2. ASC's Project Manager must be available to promptly respond during Normal Business Hours within two (2) hours to inquiries from the State, and be at the site as needed. ASC's Project Manager must work diligently and use his/ her best efforts on the Project.

4.2.3 ASC shall not change its assignment of ASC Project Manager without providing the State written justification and obtaining the prior written approval of the State. State approvals for replacement of ASC's Project Manager shall not be unreasonably withheld. The replacement Project Manager shall have comparable or greater skills than ASC Project Manager being replaced; meet the requirements of the Contract; and be subject to reference and background checks described above in General Provisions, Section 4.2.1: *Contract Project Manager*.

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and in Contract Agreement General Provisions, Section 4.6: *Reference and Background Checks*, below. ASC shall assign a replacement ASC Project Manager within ten (10) business days of the departure of the prior ASC Project Manager, and ASC shall continue during the ten (10) business day period to provide competent Project management Services through the assignment of a qualified interim ASC Project Manager.

4.2.4 Notwithstanding any other provision of the Contract, the State shall have the option, at its discretion, to terminate the Contract, declare ASC in default and pursue its remedies at law and in equity, if ASC fails to assign a ASC Project Manager meeting the requirements and terms of the Contract.

4.2.5 ASC's Project Manager is:
Ram Tulluri
Abacus Service Corporation
25925 Telegraph Rd., Suite 206
Southfield, MI 48033
Tel. 248-522-8005
Email: ramt@abacusservice.com

4.3 Abacus Service Corporation KEY PROJECT STAFF

4.3.1 ASC shall assign Key Project Staff who meet the requirements of the Contract, and can implement the Software Solution meeting the requirements set forth in RFP Appendix C: *System Requirements and Deliverables*, Table C.1: *System Requirements and Deliverables-Vendor Response Checklist*. The State may conduct reference and background checks on ASC Key Project Staff. The State reserves the right to require removal or reassignment of ASC's Key Project Staff who are found unacceptable to the State. Any background checks shall be performed in accordance with General Provisions Section 4.6: *Background Checks*.

4.3.2 ASC shall not change any ASC Key Project Staff commitments without providing the State written justification and obtaining the prior written approval of the State. State approvals for replacement of ASC Key Project Staff will not be unreasonably withheld. The replacement ASC Key Project Staff shall have comparable or greater skills than ASC Key Project Staff being replaced; meet the requirements of the Contract, including but not limited to the requirements set forth in RFP Appendix C: *System Requirements and Deliverables* and be subject to reference and background checks described in Contract Agreement- General Provisions; Section 4.6: *Reference and Background Checks*,

4.3.3 Notwithstanding any other provision of the Contract to the contrary, the State shall have the option to terminate the Contract, declare ASC in default and to pursue its remedies at law and in equity, if ASC fails to assign Key Project Staff meeting the

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requirements and terms of the Contract or if it is dissatisfied with ASC's replacement Project staff.

4.3.3.1 ASC Key Project Staff shall consist of the following individuals in the roles identified below:

ASC's Key Project Staff:

<u>Key Member(s)</u>	<u>Title</u>
Ram Tulluri	Technical Manager
April Szlaga	Operations Director
Sam Akunuri	Vice President

4.4 STATE CONTRACT MANAGER

The State shall assign a Contract Manager who shall function as the State's representative with regard to Contract administration. The State Contract Manager is:

David Swenson
AHEDD Project Manager
Department of Health & Human Services
Division of Public Health Services
29 Hazen Drive
Concord, NH 03301
Tel: 603-271-7366
Email: David.Swenson@dhhs.nh.gov

4.5 STATE PROJECT MANAGER

The State shall assign a Project Manager. The State Project Manager's duties shall include the following:

- a. Leading the Project;
- b. Engaging and managing all Contractors;
- c. Managing significant issues and risks.
- d. Reviewing and accepting Contract Deliverables;
- e. Invoice sign-offs;
- f. Review and approval of change proposals; and
- g. Managing stakeholders' concerns.

The State Project Manager is:

David Swenson
AHEDD Project Manager
Department of Health & Human Services
Division of Public Health Services
29 Hazen Drive
Concord, NH 03301

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Tel: 603-271-7366
Email: David.Swenson@dhs.nh.gov

4.6 REFERENCE AND BACKGROUND CHECKS

The State may, at its sole expense, conduct reference and background screening of the Contracted Vendor Project Manager and ASC Key Project Staff. The State shall maintain the confidentiality of background screening results in accordance with the Contract Agreement – General Provisions-Section 11: *Use of State's Information, Confidentiality.*

5. DELIVERABLES

5.1 VENDOR RESPONSIBILITIES

ASC shall be solely responsible for meeting all requirements, and terms and conditions specified in this Contract, regardless of whether or not a subcontractor is used.

ASC may subcontract Services subject to the provisions of the Contract, including but not limited to, the terms and conditions in Section 18: *General Terms and Conditions* herein. ASC must submit all information and documentation relating to the Subcontractor, including terms and conditions consistent with this Contract. The State will consider ASC to be wholly responsible for the performance of the Contract and the sole point of contact with regard to all contractual matters, including payment of any and all charges resulting from the Contract.

5.2 DELIVERABLES AND SERVICES

ASC shall provide the State with the Deliverables and Services in accordance with the time frames in the Work Plan for this Contract, and as more particularly described in Contract Exhibit A: *Contract Deliverables.*

Upon its submission of a Deliverable or Service, ASC represents that it has performed its obligations under the Contract associated with the Deliverable or Service.

5.3 NON-SOFTWARE AND WRITTEN DELIVERABLES REVIEW AND ACCEPTANCE

After receiving written Certification from ASC that a Non-Software or Written Deliverable is final, complete, and ready for Review, the State will Review the Deliverable to determine whether it meets the Requirements outlined in Contract Exhibit A: *Contract Deliverables.* The State will notify ASC in writing of its Acceptance or rejection of the Deliverable within five (5) business days of the State's receipt of ASC's written Certification. If the State rejects the Deliverable, the State shall notify ASC of the nature and class of the Deficiency and ASC shall correct the Deficiency within the period identified in the Work Plan. If no period for ASC's correction of the Deliverable is identified, ASC shall correct the Deficiency in the Deliverable within five (5) business days. Upon receipt of the corrected Deliverable, the State shall have five (5) business days to review the Deliverable and notify ASC of its Acceptance or rejection thereof.

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with the option to extend the Review Period up to five (5) additional business days. If ASC fails to correct the Deficiency within the allotted period of time, the State may, at its option, continue reviewing the Deliverable and require ASC to continue until the Deficiency is corrected, or immediately terminate the Contract, declare ASC in default, and pursue its remedies at law and in equity.

5.4 SYSTEM/SOFTWARE TESTING AND ACCEPTANCE

System/Software Testing and Acceptance shall be performed as set forth in the Test Plan and more particularly described in Exhibit F: *Testing Services*.

5.5 SECURITY

The State must ensure that appropriate levels of security are implemented and maintained in order to protect the integrity and reliability of its information technology resources, information, and services. State resources, information, and services must be available on an ongoing basis, with the appropriate infrastructure and security controls to ensure business continuity and safeguard State networks, Systems and Data.

IT Security involves all functions pertaining to the securing of State Data and Systems through the creation and definition of security policies, procedures and controls covering such areas as identification, authentication and non-repudiation.

All components of the Software shall be reviewed and tested to ensure they protect the State's hardware and software and its related Data assets. See *Exhibit F: Testing Services* for detailed information on requirements for Security testing.

6. SOFTWARE

ASC shall provide the State with Software Licenses and Documentation set forth in the Contract, and particularly described in Exhibit J: *Software License and Related Terms*.

7. SERVICES

ASC shall provide the Services required under the Contract Documents. All Services shall meet, and be performed, in accordance with the Specifications.

7.1 ADMINISTRATIVE SERVICES

ASC shall provide the State with the administrative Services set forth in the Contract, and particularly described in Exhibit D: *Administrative Services*.

7.2 IMPLEMENTATION SERVICES

ASC shall provide the State with the Implementation Services set forth in the Contract, and particularly described in Exhibit E: *Implementation Services*.

7.3 TESTING SERVICES

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ASC shall perform testing Services for the State set forth in the Contract, and particularly described in Exhibit F: Testing Services.

7.4 TRAINING SERVICES

ASC shall provide the State with training Services set forth in the Contract, and particularly described in Exhibit L: Training Services.

7.5 MAINTENANCE AND SUPPORT SERVICES

ASC shall provide the State with Maintenance and support Services for the Software set forth in the Contract, and particularly described in Exhibit G: System Maintenance and Support.

7.6 WARRANTY SERVICES

ASC shall provide the State with warranty Services set forth in the Contract, and particularly described in Exhibit K: Warranty Services.

8. WORK PLAN DELIVERABLE

ASC shall provide the State with a Work Plan that shall include, without limitation, a detailed description of the Schedule, tasks, Deliverables, major milestones, task dependencies, and payment Schedule.

The initial Work Plan shall be a separate Deliverable and is set forth in Contract Exhibit I: *Work Plan*. ASC shall update the Work Plan as necessary, but no less than every two weeks, to accurately reflect the status of the Project, including without limitation, the Schedule, tasks, Deliverables, major milestones, task dependencies, and payment Schedule. Any such updates to the Work Plan must be approved by the State, in writing, prior to final incorporation into Contract Exhibit I: *Work Plan*. The updated Contract Exhibit I: *Work Plan*, as approved by the State, is incorporated herein by reference.

Unless otherwise agreed in writing by the State, changes to the Contract Exhibit I: *Work Plan* shall not relieve ASC from liability to the State for damages resulting from ASC's failure to perform its obligations under the Contract, including, without limitation, performance in accordance with the Schedule.

In the event of any delay in the Schedule, ASC must immediately notify the State in writing, identifying the nature of the delay, i.e., specific actions or inactions of ASC or the State causing the problem; its estimated duration period to reconciliation; specific actions that need to be taken to correct the problem; and the expected Schedule impact on the Project.

In the event additional time is required by ASC to correct Deficiencies, the Schedule shall not change unless previously agreed in writing by the State, except that the Schedule shall automatically extend on a day-to-day basis to the extent that the delay does not result from ASC's failure to fulfill its obligations under the Contract. To the extent that the State's execution of its major tasks takes

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longer than described in the Work Plan, the Schedule shall automatically extend on a day-to-day basis.

Notwithstanding anything to the contrary, the State shall have the option to terminate the Contract for default, at its discretion, if it is dissatisfied with the Vendor's Work Plan or elements within the Work Plan.

9. CHANGE ORDERS

The State may make changes or revisions at any time by written Change Order. The State originated changes or revisions shall be approved by the Department of Information Technology. Within five (5) business days of ASC's receipt of a Change Order, ASC shall advise the State, in detail, of any impact on cost (e.g., increase or decrease), the Schedule, or the Work Plan.

ASC may request a change within the scope of the Contract by written Change Order, identifying any impact on cost, the Schedule, or the Work Plan. The State shall attempt to respond to ASC's requested Change Order within five (5) business days. The State Agency, as well as the Department of Information Technology, must approve all Change Orders in writing. The State shall be deemed to have rejected the Change Order if the parties are unable to reach an agreement in writing.

All Change Order requests from ASC to the State, and the State acceptance of ASC's estimate for a State requested change, will be acknowledged and responded to, either acceptance or rejection, in writing. If accepted, the Change Order(s) shall be subject to the Contract amendment process, as determined to apply by the State.

10. INTELLECTUAL PROPERTY

10.1 SOFTWARE TITLE

Title, right, and interest (including all ownership and intellectual property rights) in the Software, and its associated Documentation, shall remain with the State.

The State shall hold all ownership, title, and rights in any Custom Software developed in connection with performance of obligations under the Contract, or modifications to the Software, and the associated Documentation including any and all performance enhancing operational plans and Vendors' special utilities. The State shall have sole right to produce, publish, or otherwise use such Software, modifications, and Documentation developed under the Contract and to authorize others to do so.

In no event shall the Vendor be precluded from developing for itself, or for others, materials that are competitive with, or similar to Custom Software, modifications developed in connection with performance of obligations under the Contract. In addition, the Vendor shall be free to use its general knowledge, skills, experience, and any other ideas, concepts,

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know-how, and techniques that are acquired or used in the course of its performance under this agreement.

10.2 STATE'S DATA AND PROPERTY

All rights, title and interest in State Data shall remain with the State. All data and any property which has been received from the State or purchased with funds provided for that purpose under this Agreement, shall be the property of the State, and shall be returned to the State upon demand or upon termination of this Agreement for any reason.

10.3 VENDOR'S MATERIALS

Subject to the provisions of this Contract, ASC may develop for itself, or for others, materials that are competitive with, or similar to, the Deliverables. In accordance with the confidentiality provision of this Contract, ASC shall not distribute any products containing or disclose any State Confidential Information. ASC shall be free to use its general knowledge, skills and experience, and any ideas, concepts, know-how, and techniques that are acquired or used in the course of its performance under this Contract, provided that such is not obtained as the result of the deliberate memorization of the State Confidential Information by ASC employees or third party consultants engaged by ASC.

Without limiting the foregoing, the parties agree that the general knowledge referred to herein cannot include information or records not subject to public disclosure under New Hampshire RSA Chapter 91-A, which includes but is not limited to the following: records of grand juries and petit juries; records of parole and pardon boards; personal school records of pupils; records pertaining to internal personnel practices, financial information, test questions, scoring keys and other examination data use to administer a licensing examination, examination for employment, or academic examination and personnel, medical, welfare, library use, video tape sale or rental, and other files containing personally identifiable information that is private in nature.

10.4 STATE WEBSITE COPYRIGHT

WWW Copyright and Intellectual Property Rights

All right, title and interest in the State WWW site, including copyright to all Data and information, shall remain with the State. The State shall also retain all right, title and interest in any user interfaces and computer instructions embedded within the WWW pages. All WWW pages and any other Data or information shall, where applicable, display the State's copyright.

10.5 CUSTOM SOFTWARE SOURCE CODE

ASC shall provide the State with a copy of the source code for the Custom Software, which shall be subject to the License rights. The State shall receive a worldwide, perpetual, irrevocable, non-exclusive paid -up right and license to use, copy, modify and prepare derivative works of any custom developed software.

10.6 SURVIVAL

This Contract Agreement Section 10: *Intellectual Property* shall survive the termination of the Contract.

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11 USE OF STATE'S INFORMATION, CONFIDENTIALITY

11.1 USE OF STATE'S INFORMATION

In performing its obligations under the Contract, ASC may gain access to information of the State, including State Confidential Information. "State Confidential Information" shall include, but not be limited to, information exempted from public disclosure under New Hampshire RSA Chapter 91-A: *Access to Public Records and Meetings* (see e.g. RSA Chapter 91-A: 5 *Exemptions*). ASC shall not use the State Confidential Information developed or obtained during the performance of, or acquired, or developed by reason of the Contract, except as directly connected to and necessary for ASC's performance under the Contract.

11.2 STATE CONFIDENTIAL INFORMATION

ASC shall maintain the confidentiality of and protect from unauthorized use, disclosure, publication, and reproduction (collectively "release"), all State Confidential Information that becomes available to ASC in connection with its performance under the Contract, regardless of its form.

Subject to applicable federal or State laws and regulations, Confidential Information shall not include information which: (i) shall have otherwise become publicly available other than as a result of disclosure by the receiving party in breach hereof; (ii) was disclosed to the receiving party on a non-confidential basis from a source other than the disclosing party, which the receiving party believes is not prohibited from disclosing such information as a result of an obligation in favor of the disclosing party; (iii) is developed by the receiving party independently of, or was known by the receiving party prior to, any disclosure of such information made by the disclosing party; or (iv) is disclosed with the written consent of the disclosing party. A receiving party also may disclose Confidential Information to the extent required by an order of a court of competent jurisdiction.

Any disclosure of the State Confidential Information shall require the prior written approval of the State. ASC shall immediately notify the State if any request, subpoena or other legal process is served upon ASC regarding the State Confidential Information, and ASC shall cooperate with the State in any effort the State undertakes to contest the request, subpoena or other legal process, at no additional cost to the State.

In the event of the unauthorized release of State Confidential Information, ASC shall immediately notify the State, and the State may immediately be entitled to pursue any remedy at law and in equity, including, but not limited to, injunctive relief.

11.3 VENDOR CONFIDENTIAL INFORMATION

Insofar as ASC seeks to maintain the confidentiality of its confidential or proprietary information, ASC must clearly identify in writing all information it claims to be confidential or proprietary. Notwithstanding the foregoing, the State acknowledges that ASC considers the Software and Documentation to be Confidential Information. ASC acknowledges that the State is subject to State and federal laws governing disclosure of

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information including, but not limited to, RSA Chapter 91-A. The State shall maintain the confidentiality of the identified Confidential Information insofar as it is consistent with applicable State and federal laws or regulations, including but not limited to, RSA Chapter 91-A. In the event the State receives a request for the information identified by ASC as confidential, the State shall notify ASC and specify the date the State will be releasing the requested information. At the request of the State, ASC shall cooperate and assist the State with the collection and review of ASC's information, at no additional expense to the State. Any effort to prohibit or enjoin the release of the information shall be ASC's sole responsibility and at ASC's sole expense. If ASC fails to obtain a court order enjoining the disclosure, the State shall release the information on the date specified in the State's notice to ASC, without any liability to ASC.

11.4 SURVIVAL

This Contract Agreement Section 11, *Use of State's Information, Confidentiality*, shall survive termination or conclusion of the Contract.

12 LIMITATION OF LIABILITY

12.1 STATE

Subject to applicable laws and regulations, in no event shall the State be liable for any consequential, special, indirect, incidental, punitive, or exemplary damages. Subject to applicable laws and regulations, the State's liability to ASC shall not exceed the total Contract price set forth in Contract Agreement – General Provisions, Block 1.8.

12.2 Abacus Service Corporation

Subject to applicable laws and regulations, in no event shall ASC be liable for any consequential, special, indirect, incidental, punitive or exemplary damages and ASC's liability to the State shall not exceed two times (2X) the total Contract price set forth in Contract Agreement – Page 1, General Provisions, Block 1.8.

Notwithstanding the foregoing, this limitation of liability shall not apply to ASC's indemnification obligations set forth in the Contract Agreement-General Provisions Section 13: *Indemnification* and confidentiality obligations in Contract Agreement-General Provisions Section 11: *Use of State's Information, Confidentiality*, which shall be unlimited.

12.3 STATE'S IMMUNITY

Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved to the State. This covenant shall survive termination or Contract conclusion.

12.4 SURVIVAL

This Section 12: Limitation of Liability shall survive termination or Contract conclusion.

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13 INDEMNIFICATION.

ASC shall defend, indemnify and hold harmless the State, its officers and employees, from and against any and all losses suffered by the State, its officers and employees, and any and all claims, liabilities or penalties asserted against the State, its officers and employees, by or on behalf of any person, on account of, based or resulting from, arising out of (or which may be claimed to arise out of) the acts or omissions of ASC.

14 TERMINATION

This Section 14 shall survive the termination or Contract Conclusion.

14.1 TERMINATION FOR DEFAULT

Any one or more of the following acts or omissions of ASC shall constitute an event of default hereunder ("Event of Default")

- a. Failure to perform the Services satisfactorily or on schedule;
- b. Failure to submit any report required; and/or
- c. Failure to perform any other covenant, term or condition of the Contract

14.1.1 Upon the occurrence of any Event of Default, the State may take any one or more, or all, of the following actions:

- a. Unless otherwise provided in the Contract, the State shall provide ASC written notice of default and require it to be remedied within, in the absence of a greater or lesser specification of time, within thirty (30) days from the date of notice, unless otherwise indicated within by the State ("Cure Period"). If ASC fails to cure the default within the Cure Period, the State may terminate the Contract effective two (2) days after giving ASC notice of termination, at its sole discretion, treat the Contract as breached and pursue its remedies at law or in equity or both.
- b. Give ASC a written notice specifying the Event of Default and suspending all payments to be made under the Contract and ordering that the portion of the Contract price which would otherwise accrue to ASC during the period from the date of such notice until such time as the State determines that ASC has cured the Event of Default shall never be paid to ASC.
- c. Set off against any other obligations the State may owe to the Vendor any damages the State suffers by reason of any Event of Default;
- d. Treat the Contract as breached and pursue any of its remedies at law or in equity, or both.
- e. Procure Services that are the subject of the Contract from another source and ASC shall be liable for reimbursing the State for the replacement Services, and all administrative costs directly related to the replacement of the Contract and procuring the Services from another source, such as costs of competitive bidding.

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mailing, advertising, applicable fees, charges or penalties, and staff time costs; all of which shall be subject to the limitations of liability set forth in the Contract.

- 14.1.2 The Vendor shall provide the State with written notice of default, and the State shall cure the default within thirty (30) days.

14.2. TERMINATION FOR CONVENIENCE

- 14.2.1 The State may, at its sole discretion, terminate the Contract for convenience, in whole or in part, by thirty (30) days written notice to ASC. In the event of a termination for convenience, the State shall pay ASC the agreed upon price, if separately stated in this Contract, for Deliverables for which Acceptance has been given by the State. Amounts for Services or Deliverables provided prior to the date of termination for which no separate price is stated under the Contract shall be paid, in whole or in part, generally in accordance with Contract Exhibit B, *Price and Payment Schedule*, of the Contract.
- 14.2.2 During the thirty (30) day period, ASC shall wind down and cease Services as quickly and efficiently as reasonably possible, without performing unnecessary Services or activities and by minimizing negative effects on the State from such winding down and cessation of Services.

14.3. TERMINATION FOR CONFLICT OF INTEREST

- 14.3.1 The State may terminate the Contract by written notice if it determines that a conflict of interest exists, including but not limited to, a violation by any of the parties hereto of applicable laws regarding ethics in public acquisitions and procurement and performance of Contracts.

In such case, the State shall be entitled to a pro-rated refund of any current development, support, and maintenance costs. The State shall pay all other contracted payments that would have become due and payable if ASC did not know, or reasonably did not know, of the conflict of interest.

- 14.3.2 In the event the Contract is terminated as provided above pursuant to a violation by ASC, the State shall be entitled to pursue the same remedies against ASC as it could pursue in the event of a default of the Contract by ASC.

14.4. TERMINATION PROCEDURE

- 14.4.1 Upon termination of the Contract, the State, in addition to any other rights provided in the Contract, may require ASC to deliver to the State any property, including without limitation, Software and Written Deliverables, for such part of the Contract as has been terminated.

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- 14.4.2 After receipt of a notice of termination, and except as otherwise directed by the State, ASC shall:
- a. Stop work under the Contract on the date, and to the extent specified, in the notice;
 - b. Promptly, but in no event longer than thirty (30) days after termination, terminate its orders and subcontracts related to the work which has been terminated and settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, with the approval or ratification of the State to the extent required, which approval or ratification shall be final for the purpose of this Section;
 - c. Take such action as the State directs, or as necessary to preserve and protect the property related to the Contract which is in the possession of ASC and in which the State has an interest;
 - d. Transfer title to the State and deliver in the manner, at the times, and to the extent directed by the State, any property which is required to be furnished to the State and which has been accepted or requested by the State; and
 - e. Provide written Certification to the State that ASC has surrendered to the State all said property.
 - f. Assist in Transition Services, as reasonably requested by the State at no additional cost.

15 CHANGE OF OWNERSHIP

In the event that ASC should change ownership for any reason whatsoever, the State shall have the option of continuing under the Contract with ASC, its successors or assigns for the full remaining term of the Contract; continuing under the Contract with ASC, its successors or assigns for such period of time as determined necessary by the State; or immediately terminate the Contract without liability to ASC, its successors or assigns:

16 ASSIGNMENT, DELEGATION AND SUBCONTRACTS

16.1 ASC shall not assign, delegate, subcontract, or otherwise transfer any of its interest, rights, or duties under the Contract without the prior written consent of the State. Such consent shall not be unreasonably withheld. Any attempted transfer, assignment, delegation, or other transfer made without the State's prior written consent shall be null and void, and may constitute an event of default at the sole discretion of the State.

16.2 ASC shall remain wholly responsible for performance of the entire Contract even if assignees, delegates, Subs, or other transferees ("Assigns") are used, unless otherwise agreed to in writing by the State, and the Assigns fully assumes in writing any and all obligations and liabilities under the Contract from the Effective Date. In the absence of a written assumption of full obligations and liabilities of the Contract, any permitted assignment, delegation, subcontract, or other transfer shall

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neither relieve ASC of any of its obligations under the Contract nor affect any remedies available to the State against ASC that may arise from any event of default of the provisions of the contract. The State shall consider ASC to be the sole point of contact with regard to all contractual matters, including payment of any and all charges resulting from the Contract.

16.3 Notwithstanding the foregoing, nothing herein shall prohibit ASC from assigning the Contract to the successor of all or substantially all of the assets or business of ASC provided that the successor fully assumes in writing all obligations and responsibilities under the Contract. In the event that ASC should change ownership, as permitted under Section 15: *Change of Ownership*, the State shall have the option to continue under the Contract with ASC, its successors or assigns for the full remaining term of the Contract; continue under the Contract with ASC, its successors or assigns for such period of time as determined necessary by the State; or immediately terminating the Contract without liability to ASC, its successors or assigns.

17 DISPUTE RESOLUTION

Prior to the filing of any formal proceedings with respect to a dispute (other than an action seeking injunctive relief with respect to intellectual property rights or Confidential Information), the party believing itself aggrieved (the "Invoking Party") shall call for progressive management involvement in the dispute negotiation by written notice to the other party. Such notice shall be without prejudice to the Invoking Party's right to any other remedy permitted under the Contract.

The parties shall use reasonable efforts to arrange personal meetings and/or telephone conferences as needed, at mutually convenient times and places, between negotiators for the parties at the following successive management levels, each of which shall have a period of allotted time as specified below in which to attempt to resolve the dispute:

Dispute Resolution Responsibility and Schedule Table

LEVEL	ASC	STATE	CUMULATIVE ALLOTTED TIME
Primary	Ram Tulluri Technical Manager	David Swenson State Project Manager (PM)	5 Business Days
First	April Szlaga Operations Director	Lisa Morris Director	10 Business Days
Second	Sam Akunuri Vice President	Jeffrey A. Meyers Commissioner	15 Business Days

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The allotted time for the first level negotiations shall begin on the date the Invoking Party's notice is received by the other party. Subsequent allotted time is days from the date that the original Invoking Party's notice is received by the other party.

18 GENERAL TERMS AND CONDITIONS

18.1 CONDITIONAL NATURE OF CONTRACT

Notwithstanding any provision of the Contract to the contrary, all obligations of the State, including, without limitation, the continuance of payments, are contingent upon the availability and continued appropriation of funds, and in no event shall the State be liable for any payments in excess of such available appropriated funds. In the event of a reduction or termination of those funds, the State shall have the right to withhold payment until such funds become available, if ever, and shall have the right to terminate the Contract immediately upon giving ASC notice of such termination.

The State shall not be required to transfer funds from any other account to the account identified in General Provisions, Page 1, block 1.6: *Account No.* in the event funds in that account are reduced or unavailable.

18.2 COMPLIANCE BY ASC WITH LAWS AND REGULATIONS: EQUAL EMPLOYMENT OPPORTUNITY

18.2.1 In connection with the performance of the Contract, ASC shall comply with all statutes, laws, regulations, orders of federal, state, county or municipal authorities which impose any obligation or duty upon ASC, including, but not limited to, civil rights and equal opportunity laws. ASC shall also comply with all applicable local, State and federal licensing requirements and standards necessary in the performance of the Contract. In addition, ASC shall comply with all applicable copyright laws.

18.2.2 During the term of the Contract, ASC shall not discriminate against employees or applicants for employment in violation of applicable State or federal laws, including but not limited to non discrimination because of race, color, religion, creed, age, sex, handicap, sexual orientation, or national origin and shall take affirmative action to prevent such discrimination.

18.2.3 If the Contract is funded in any part by monies of the United States, ASC shall comply with all the provisions of Executive Order No. 11246 ("Equal Employment Opportunity"), as supplemented by the regulations of the United States Department of Labor (41 C.F.R. Part 60), and with any rules, regulations and guidelines as the State of New Hampshire or the United States issues to implement these regulations. ASC further agrees to permit the State, or United States, access to any of ASC's pertinent books, records,

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and accounts for the purpose of ascertaining compliance with all rules, regulations and orders, and covenants and conditions of the Contract.

18.3 REGULATORY/GOVERNMENT APPROVALS

ASC shall obtain applicable regulatory or other governmental approvals necessary for it to perform its obligations under the Contract.

18.4 WORKERS' COMPENSATION.

18.4.1 By signing this agreement, the ASC agrees, certifies and warrants that the ASC is in compliance with or exempt from, the requirements of N.H. RSA chapter 281-A ("Workers' Compensation").

18.4.2 To the extent the ASC is subject to the requirements of N.H. RSA chapter 281-A, ASC shall maintain, and require any sub ASC or assignee to secure and maintain, payment of Workers' Compensation in connection with activities which the person proposes to undertake pursuant to this Agreement. ASC shall furnish the Contracting Officer identified in block 1.9, or his or her successor, proof of Workers' Compensation in the manner described in N.H. RSA chapter 281-A and any applicable renewal(s) thereof, which shall be attached and are incorporated herein by reference. The State shall not be responsible for payment of any Workers' Compensation premiums or for any other claim or benefit for ASC, or any sub ASC or employee of ASC, which might arise under applicable State of New Hampshire Workers' Compensation laws in connection with the performance of the Services under this Agreement.

18.5 PERSONNEL

18.5.1 The performance of ASC's obligations under the Contract shall be carried out by ASC. ASC shall, at its own expense, provide all personnel, materials and resources required under the Contract and as necessary to perform ASC's obligations under the Contract. ASC warrants that all personnel engaged in the Contract Services shall be qualified to perform the Services, and shall be properly licensed and otherwise authorized to do so under all applicable laws.

18.5.2 Unless otherwise authorized in writing, during the term of the Contract, and for a period of six (6) months after the Completion Date of the Contract (General Provisions, Page 1, Block 1.7), ASC shall not hire, and shall not permit any sub ASC or other person, firm or corporation with whom it is engaged in a combined effort to perform the Services, to hire any person who is a State employee or official, who is materially involved in the procurement, administration or performance of the Contract. This provision shall survive termination of the Contract.

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18.5.3 The Chief Information Officer ("CIO") of the Department of Information Technology, or his designee, shall be the State's representative. In the event of any dispute governing the interpretation of the Contract, the CIO's decision shall represent the final position of the State.

18.6 WAIVER OF BREACH. No failure by the State to enforce any provisions hereof after any Event of Default shall be deemed a waiver of its rights with regard to that Event of Default, or any subsequent Event of Default. No express failure to enforce any Event of Default shall be deemed a waiver of the right of the State to enforce each and all of the provisions hereof upon any further or other Event of Default on the part of the ASC.

18.7 AMENDMENT.

This Agreement may be amended, waived or discharged only by an instrument in writing signed by the parties hereto and only after approval of such amendment, waiver or discharge by the Governor and Executive Council of the State of New Hampshire.

18.8 CONSTRUCTION OF AGREEMENT AND TERMS.

This Agreement shall be construed in accordance with the laws of the State of New Hampshire, and is binding upon and insures to the benefit of the parties and their respective successors and assigns. The wording used in this Agreement the wording chosen by the parties to express their mutual intent, and no rule of construction shall be applied against or in favor of any party.

18.9 THIRD PARTIES.

The parties hereto do not intend to benefit any third parties and this Agreement shall not be construed to confer any such benefit.

18.10. HEADINGS.

The headings throughout the Agreement are for reference purposes only, and the words contained therein shall in no way be held to explain, modify, amplify or aid in the interpretation, construction or meaning of the provisions of this Agreement.

18.11 SPECIAL PROVISIONS.

Additional provisions set forth in the attached EXHIBIT C are incorporated herein by reference.

18.12. SEVERABILITY.

In the event any of the provisions of this Agreement are held by a court of competent jurisdiction to be contrary to any state or federal law, the remaining provisions of this Agreement will remain in full force and effect.

18.13. ENTIRE AGREEMENT.

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This Agreement, which may be executed in a number of counterparts, each of which shall be deemed an original, constitutes the entire Agreement and understanding between the parties, and supersedes all prior Agreements and understandings relating hereto.

18.14 TRAVEL EXPENSES

The State will not be responsible for any travel or out of pocket expenses incurred in the performance of the Services.

The Vendor must assume all travel and related expenses by "fully loading" the proposed labor rates to include, but not limited to: meals, hotel/housing, airfare, car rentals, car mileage, and out of pocket expenses.

18.15 SHIPPING AND DELIVERY FEE EXEMPTION

The State will not pay for any shipping or delivery fees unless specifically itemized in the Contract.

18.16 PROJECT WORKSPACE AND OFFICE EQUIPMENT

The State agency will work with ASC to determine the requirements for providing all necessary workspace and office equipment, including desktop computers for ASC's staff.

18.17 ACCESS/COOPERATION

As applicable, and reasonably necessary, and subject to the applicable State and federal laws and regulations and restrictions imposed by third parties upon the State, the State shall provide ASC with access to all program files, libraries, personal computer-based systems, software packages, network systems, security systems, and hardware as required to complete contracted services.

The State shall use reasonable efforts to provide approvals, authorizations, and decisions reasonably necessary to allow ASC to perform its obligations under the Contract.

18.18 REQUIRED WORK PROCEDURES

All work done must conform to standards and procedures established by the Department of Information Technology and the State.

18.19 COMPUTER USE

In consideration for receiving access to and use of the computer facilities, network, licensed or developed software, software maintained or operated by any of the State entities, systems, equipment, Documentation, information, reports, or data of any kind (hereinafter "Information"), ASC understands and agrees to the following rules:

- a. Every Authorized User has the responsibility to assure the protection of information from unauthorized access, misuse, theft, damage, destruction, modification, or disclosure.
- b. That information shall be used solely for conducting official State business, and all other use or access is strictly forbidden including, but not limited to, personal, or other private

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and non-State use and that at no time shall ASC access or attempt to access any information without having the express authority to do so.

- c. That at no time shall ASC access or attempt to access any information in a manner inconsistent with the approved policies, procedures, and /or agreements relating to system entry/access.
- d. That all software licensed, developed, or being evaluated by the State cannot be copied, shared, distributed, sub-licensed, modified, reverse engineered, rented, or sold, and that at all times ASC must use utmost care to protect and keep such software strictly confidential in accordance with the license or any other Agreement executed by the State. Only equipment or software owned, licensed, or being evaluated by the State, can be used by ASC. Personal software (including but not limited to palmtop sync software) shall not be installed on any equipment.
- e. That if ASC is found to be in violation of any of the above-stated rules, the User may face removal from the State Contract, and/or criminal or civil prosecution, if the act constitutes a violation of law.

18.20 EMAIL USE

Mail and other electronic communication messaging systems are State of New Hampshire property and are to be used for business purposes only. Email is defined as "internal Email systems" or "State-funded Email systems." ASC understand and agree that use of email shall follow State standard policy (available upon request).

18.21 INTERNET/INTRANET USE

The Internet/Intranet is to be used for access to and distribution of information in direct support of the business of the State of New Hampshire according to State standard policy (available upon request).

18.22 REGULATORY GOVERNMENT APPROVALS

ASC shall obtain all necessary and applicable regulatory or other governmental approvals necessary to perform its obligations under the Contract.

18.23 INSURANCE

18.23.1 ASC Insurance Requirement

The ASC shall, at its sole expense, obtain and maintain in force, and shall require any sub ASC or assignee to obtain and maintain in force, the following insurance:

18.23.1.1 Comprehensive general liability insurance against all claims of bodily injury, death or property damage, in amounts of not less than \$250,000 per claim and \$2,000,000 per occurrence; and

18.23.1.2 Fire and extended coverage insurance covering all property subject to Section 10.1 herein, in an amount not less than 80% of the whole replacement value of the property.

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18.23.2 The policies described in subparagraphs 18.23.1.1 and 18.23.1.2 herein shall be on policy forms and endorsements approved for use in the State of New Hampshire by the N.H. Department of Insurance, and issued by insurers licensed in the State of New Hampshire.

18.23.3 The ASC shall furnish to the Contracting Officer, identified in block 1.9, or his or her successor, a certificate(s) of insurance for all insurance required under this Agreement. ASC shall also furnish to the Contracting Officer, identified in block 1.9, or his or her successor, certificate(s) of insurance for all renewal(s) of insurance required under this Agreement no later than fifteen (15) days prior to the expiration date of each of the insurance policies. The certificate(s) of insurance and any renewals thereof shall be attached and are incorporated herein by reference. Each certificate(s) of insurance shall contain a clause requiring the insurer to endeavor to provide the Contracting Officer identified in block 1.9, or his or her successor, no less than ten (10) days prior-written notice of cancellation or modification of the policy.

18.23.4 The ACORD Insurance Certificate should note the Certificate Holder in the lower left hand block including State of New Hampshire, Department Name, name of the individual responsible for the funding of the contracts and his/her address.

18.24 EXHIBITS

The Exhibits referred to, in and attached to the Contract are incorporated by reference as if fully included in the text.

18.25 VENUE AND JURISDICTION

Any action on the Contract may only be brought in the State of New Hampshire, Merrimack County Superior Court.

18.26 SURVIVAL

The terms, conditions and warranties contained in the Contract that by their context are intended to survive the completion of the performance, cancellation or termination of the Contract shall so survive, including, but not limited to, the terms of the Exhibit E Section 3: Records Retention and Access Requirements, Exhibit E Section 4: Accounting Requirements, and General Provisions-Section 11: Use of State's Information, Confidentiality and General Provisions- Section 13: Indemnification which shall all survive the termination of the Contract.

18.27 WORK FOR HIRE

The State shall own all right, title and interest in and to any Software, printed materials or other works, products or deliverables which result from Services rendered by Vendor to the State under this Contract ("work(s)"). The works shall be deemed works made for hire of the State for all purposes of copyright law, and copyright shall belong solely to the State. In the event that any such work is adjudged to be not a work made for hire, Vendor agrees to assign, and hereby assigns, all copyright and other rights in such work to the State. Vendor shall, at the expense of the State, assist the State or its nominees to obtain copyrights, trademarks, or patents for all such works in the United the States and any other countries.

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Vendor agrees to execute all papers and to give all facts known to it necessary to secure United the States or foreign country copyrights and patents, and to transfer or cause to transfer to the State all the right, title and interest in and to such works. Vendor represents and warrants that the works will be free of any rightful claim of any third person or entity based on patent or copyright infringement, tradé secret misappropriation, or otherwise.

18.28 FORCE MAJEURE

Neither ASC nor the State shall be responsible for delays or failures in performance resulting from events beyond the control of such party and without fault or negligence of such party. Such events shall include, but not be limited to, acts of God, strikes, lock outs, riots, and acts of War, epidemics, acts of Government, fire, power failures, nuclear accidents, earthquakes, and unusually severe weather.

Except in the event of the foregoing, Force Majeure events shall not include ASC's inability to hire or provide personnel needed for ASC's performance under the Contract.

18.29 NOTICES

Any notice of disputes, termination, term extension, or audit rights by a party hereto to the other party shall be deemed to have been duly delivered or given at the time of mailing by certified mail, postage prepaid, in a United States Post Office addressed to the parties at the following addresses. Notices shall be first emailed or faxed and then confirmed, on the same day ("Confirmation Copy") by either registered or certified mail or by reputable expedited courier service, return receipt requested, postage prepaid to the addressee thereof at the address set forth below. Notices shall be deemed received 3 days after the Confirmation Copy has been mailed or otherwise dispatched.

TO ABACUS SERVICE CORP.:

APRIL SZLAGA
ABACUS SERVICE CORPORATION
25925 TELEGRAPH ROAD, SUITE 206
SOUTHFIELD MI, 48033

TO STATE:

STATE OF NEW HAMPSHIRE
DEPARTMENT OF HEALTH & HUMAN
SERVICES
DIVISION OF PUBLIC HEALTH
SERVICES
129 PLEASANT STREET
CONCORD, NH 03301
ATTENTION: DAVID SWENSON

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EXHIBIT A
CONTRACT DELIVERABLES

1. DELIVERABLES, MILESTONES AND ACTIVITIES

Project Overview

The general scope of the project is to provide Information Technology (IT) support to develop and maintain database and Java system code and Cognos reporting.

Abacus Service Corporation (ACS) shall provide a team of highly skilled resources with significant experience and expertise in their area of technology, (e.g. java coding, database management, testing, and maintenance and support activities) who shall support the development, database and testing activities of the Department.

The ACS team shall review existing assessments in understanding the IT support requirement for development and maintenance of Java system code and Cognos reporting for more efficient processing and data quality improvements and only develop documentation where notable gaps exist.

In addition, the ACS team shall also collaborate with the Department in understanding the ability to map and process Admission/Visit Notification (A01) transactions; offload and store historic data from the Automated Hospital Emergency Department Data (AHEDD) database; automate handling of misspelled NH patient town names (to use an existing table of misspelled town names to link to the correct political town name for complete processing); process additional Meaningful Use (MU) Stage 3 fields according to federal guidance and National Syndromic Surveillance Program (NSSP) required HL7 fields in the database (not currently processed); add the ability to accept and process EP clinical practice encounters (keeping them separate from hospital encounters); and make needed reporting and logging changes.

The ACS team shall accomplish the following Goals and Objectives for DHHS AHEDD Enhanced Surveillance System Integration:

- Improve syndromic surveillance efficiency and timeliness by enhancing surveillance functionality with broader detection, analysis, and reporting; by being able to deal with "big data" and support ongoing syndromic surveillance sustainability; while eliminating unsupported IT system tools. With this level of performance, NH DPHS will be able to meet its broader public health goals to
- Improve data quality and broaden representativeness of surveillance data, by working with hospital partners to improve data content reporting, and the elimination of missing data;
- Meet the need for greater New Hampshire and regional situational awareness, data sharing, and the accessibility of information available to surveillance staff and State managers by migrating to enhanced surveillance tools that make it easier to share data; and
- Improve the syndromic surveillance knowledge and practice by the use of modern technologies that can migrate to the technologies of tomorrow.

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Team Experience: The ACS team shall provide significant experience in data analysis, mapping, mining, database management, HL7 Formatting, java coding, Cognos reporting, and interface development. The ACS team shall also possess an understanding of the different code formats (ICD). The ACS team shall be lead by a Project Manager, who has exceptional experience in managing these types of engagements and has successfully worked on AHEDD, WISDOM and Phoenix projects (Please refer to the Reference section).

General Project Assumptions

1. Abacus Service Corporation (ASC) shall provide project tracking tools and templates to record and manage Issues, Risks, Change Requests, Requirements, Decision Sheets, and other documents used in the management and tracking of the project. The State and ASC Project Managers will review these tools and templates and determine which ones will be used for the project. Training on these tools and templates will be conducted by ACS at the start of each phase in which they will be used.
2. Prior to the commencement of work on Non-Software and Written Deliverables, ASC shall provide to the State a template, table of contents, or agenda for Review and prior approval by the State.
3. ASC shall ensure that appropriate levels of security are implemented and maintained in order to protect the integrity and reliability of the State's Information Technology resources, information, and services. Security requirements are defined in Appendix C-2 of the Request for Proposal. ASC shall provide the State resources, information, and Services on an ongoing basis, with the appropriate infrastructure and security controls to ensure business continuity and to safeguard the confidentiality and integrity of State networks, Systems and Data.
4. The Deliverables are set forth in the Schedule described below in Section 2. By unconditionally accepting a Deliverable, the State reserves the right to reject any and all Deliverables in the event the State detects any Deficiency in the System, in whole or in part, through completion of all Acceptance Testing, including but not limited to, Software/System Acceptance Testing, and any extensions thereof.

Pricing for Deliverables set forth in Exhibit B: *Price and Payment Schedule*. Pricing will be effective for the Term of this Contract, and any extensions thereof.

2. DELIVERABLES, MILESTONES, AND ACTIVITIES SCHEDULE

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	DELIVERY DATE
F-1.a Conduct Project Kickoff	Non-Software	Effective Date (Start Date)

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F-1.b Status Meetings	Email or Conference	Weekly
F-1.c Delivery of Work Plan	Written	Effective Date + 5 Days
F-1.c.a Invoice for Work Plan	Non-Software	Effective Date + 5 Days
F-1.i Delivery of the completion of the A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) – Reference requirement B-5	Software	Effective Date + 25 Days
F-1.i.a Invoice for the completion of the A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions)	Software	Effective Date + 25 Days
F-1.i.b Delivery of the completion of the offload of historic data on AHEDD - Reference requirement B-6	Software	Effective Date + 45 Days
F-1.i.c Invoice for the completion of the offload of historic data on AHEDD	Software	Effective Date + 45 Days
F-1.i.d Delivery of the completion of the automate assignment of misspelled patient town names to related political town/county/Public Health Region – Reference the requirement B-7	Software	Effective Date + 65 Days
F-1.i.e Invoice for the completion of the automate political town/county/Public Health Region	Software	Effective Date + 65 Days
F-1.i.f Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB – Reference the requirement B-8	Software	Effective Date + 90 Days
F-1.i.g Invoice for the completion of the addition of MU Stage 3 fields and HL7 fields to the AHEDD DB	Software	Effective Date + 90 Days
F-1.i.h Delivery of the completion of the EP database infrastructure to store EP and Urgent Care (UC) encounters – Reference the requirement B-9	Software	Effective Date + 120 Days
F-1.i.i Invoice for the completion of the EP and Urgent Care (UC) database infrastructure to store EP encounters	Software	Effective Date + 120 Days

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F-1.1.j Delivery of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B.10	Software	Effective Date + 140 Days
F-1.1.i Delivery for the completion of AHEDD/Rhapsody log monitoring	Software	Effective Date + 170 Days
F-1.1.n 2018 SCOPE B - System Support Acceptance Testing	Software	Effective Date + 170 Days
F-1.1.o 2018 SCOPE B - System Support Acceptance Testing Invoice	Non-Software, Written	Effective Date + 170 Days
F-1.1.p Associated documentation	Written	Effective Date + 170 Days
F-1.1.q Knowledge transfer training	Non-Software, Written	Effective Date + 180 Days
F-1.1.r Production implementation	Software	Effective Date + 180 Days
F-1.1.s Invoice for Holdback	Non-Software	Effective Date + 210 Days
TOTALS		215 Days

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Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT B
PRICE AND PAYMENT SCHEDULE

1. PAYMENT SCHEDULE

1.2 Firm Fixed Price

This is a Firm Fixed Price (FFP) Contract totaling \$231,189 for the period between the Effective Date through August 31, 2020. ASC shall be responsible for performing its obligations in accordance with the Contract. This Contract will allow ASC to invoice the State for the following activities, Deliverables, or milestones at fixed pricing/rates appearing in the price and payment tables below:

ACTIVITY, DELIVERABLE OR MILESTONE	DELIVERABLE TYPE	PROPOSED SCHEDULE	PRICE
F-1.a Conduct Project Kickoff Meeting (reference G-2)	Non-Software	Must be completed 10 days after initial project start date	0
F-1.b Status Meetings	Email or Phone Conference	Weekly	0
F-1.c Delivery of Work Plan (reference G-4)	Written	Must be completed within 10 days after initial project start date	0
F-1.c.a Invoice for Work Plan	Non-Software	Must be submitted on or about 10 days after initial project start date	\$12,725
F-1.i Delivery of the completion of the A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions) - Reference requirement B-5	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.i.a Invoice for the completion of the A01 to A04 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions)	Software	Must be completed by Project End Date (08/31/2019)	\$12,730

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F-1.i.b Delivery of the completion of the offload of historic data on AHEDD - Reference requirement B-6	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.i.c Invoice for the completion of the offload of historic data on AHEDD	Software	Must be completed by Project End Date (08/31/2019)	\$23,834
F-1.i.d Delivery of the completion of the automate assignment of misspelled patient town names to related political town/county/Public Health Region - Reference the requirement B-7	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.i.e Invoice for the completion of the automate assignment of misspelled patient town names to related political town/county /Public Health Region	Software	Must be completed by Project End Date (08/31/2019)	\$12,730
F-1.i.f Delivery of the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB - Reference the requirement B-8	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.i.g Invoice for the completion of the addition of MU Stage 3 fields and 8 HL7 fields to the AHEDD DB	Software	Must be completed by Project End Date (08/31/2019)	\$27,834
F-1.i.h Delivery of the completion of the EP and UC database infrastructure to store EP and UC encounters - Reference the requirement B-9	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.i.i Invoice for the completion of the EP and UC database infrastructure to store EP and UC encounters	Software	Must be completed by Project End Date (08/31/2019)	\$12,730



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F-1.1.j Delivery of the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos Reporting – Reference the requirement B-10	Software	Must be completed by Project End Date (08/31/2019)	0
F-1.1.k Invoice for the completion of AHEDD Triage Notes reporting, Hospital Service Area and Surround Town reporting, and other needed Cognos reporting	Software	Must be completed by Project End Date (08/31/2019)	\$31,692
F-1.1.l Delivery for the completion of AHEDD/Rhapsody log monitoring	Software	Must be complete by Project End Date (08/31/2019)	0
F-1.1.m Invoice for the completion of AHEDD/Rhapsody log monitoring	Software	Must be complete by Project End Date (08/31/2019)	\$48,961
F-1.1.n 2018 Scope B - AHEDD System Support Acceptance Testing	Software	Must be completed on or about 30 days prior to end of Project End Date (08/31/2019)	0
F-1.1.o 2018 Scope B - AHEDD System Support Acceptance Testing Invoice	Non-Software, Written	Must be completed on or about 30 days prior to end of Project End Date	\$27,834
F-1.1.p Associated documentation	Written	Must be completed 8 days prior to end of Project End Date	0
F-1.1.q Knowledge Transfer Training	Non-Software, Written	Must be completed on or before end of Project End Date	0
F-1.1.r Production Implementation	Software	Must be completed on or before end of Project End Date	0

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EXHIBIT B
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F-1.1.s Invoice for Holdback	Non-Software	Must be submitted upon successful completion of "Warranty Period" (on or before 90 days after Project End Date)	\$20,119
Subtotal			\$231,189
TOTAL			\$231,189

1.3 Proposed Vendor Staff, Resource Hours and Rates Worksheet

The Proposed Vendor Staff Position, Resource Hours and Rates Worksheet shall indicate the individuals that will be assigned to the Project, their hours and applicable rates. Names are required for individuals designated for key roles; titles shall be used for others. Information is listed by-phase.

Table 1.3 : Proposed Vendor Staff, Resource Hours and Rates Worksheet

Title	Name	Initiation	Implementation	Project Close out	Hourly Rate	Hours X Rate
Project Manager	Ram Prasad Tulluri	950	600	250	\$36	\$64,800
Senior Developer #1	Praveen Kumar	740	1415	210	\$32	\$75,680
Senior Developer #2	Anihati Prashant	740	1410.5	684	\$32	\$90,709
TOTALS						\$231,189

1.4 Future Vendor Rates Worksheet

The State may request additional Services from the selected Vendor. In the event that additional Service is required, Table 1.4 Future Vendor Rates Worksheet shall provide this information. "SFY" refers to State Fiscal Year. The New Hampshire State Fiscal Year runs from July 1 through June 30 of the following calendar year. Positions not identified in the Table 1.3 shall be included in the Future Vendor Rates Worksheet.

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Table 1.4: Future Vendor Rates Worksheet

Position/Rate	FY 2017	FY 2018	FY 2019
Project Manager	\$36	\$37	\$38
Position #1	\$32	\$34	\$36
Position #2	\$32	\$34	\$36

1.5 Software Licensing, Maintenance, and Support Pricing Worksheet

Pricing shall reflect the payment of maintenance through the Contract end date. Price estimates should reflect the most optimistic implementation date. If project start date slips or if implementation takes longer, causing a shorter maintenance period, ACS shall pro-rate the pricing to reflect the actual project circumstances.

2. CONTRACT PRICE

Notwithstanding any provision in the Contract to the contrary, and notwithstanding unexpected circumstances, in no event shall the total of all payments made by the State exceed \$231,189 ("Total Contract Price"). The payment by the State of the total Contract price shall be the only, and the complete reimbursement to ASC for all fees and expenses, of whatever nature, incurred by ASC in the performance hereof.

The State will not be responsible for any travel or out of pocket expenses incurred in the performance of the Services performed under this Contract.

3. INVOICING

ASC shall submit correct invoices to the State for all amounts to be paid by the State. All invoices submitted shall be subject to the State's prior written approval, which shall not be unreasonably withheld. ASC shall only submit invoices for Services or Deliverables as permitted by the Contract. Invoices must be in a format as determined by the State and contain detailed information, including without limitation: itemization of each Deliverable and identification of the Deliverable for which payment is sought; and the Acceptance date triggering such payment; date of delivery and/or installation; monthly maintenance charges; any other Project costs or retention amounts if applicable.

Upon Acceptance of a Deliverable, and a properly documented and undisputed invoice, the State will pay the correct and undisputed invoice within thirty (30) days of invoice receipt. Invoices will not be backdated and shall be promptly dispatched.

Invoices shall be sent to:

Financial Manager
 Department of Health & Human Services
 Division of Public Health Services

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PRICE AND PAYMENT SCHEDULE

29 Hazen Drive
Concord, NH 03301
dphscontractbilling@dhhs.state.nh.us

4. PAYMENT ADDRESS

All payments shall be sent to the following address:

April Szlaga, Operations Director
Abacus Service Corporation
25925 Telegraph Rd., Suite 206
Southfield, MI 48033

5. OVERPAYMENTS TO ACS

ASC shall promptly, but no later than fifteen (15) business days, return to the State the full amount of any overpayment or erroneous payment upon discovery or notice from the State.

6. CREDITS

The State may apply credits due to the State arising out of this Contract, against ASC's invoices with appropriate information attached.

7. PROJECT HOLDBACK

The State shall withhold ten percent (10%) of the price for each Deliverable, except Software license fees, as set forth in the Payment Table above, until successful conclusion of the Warranty Period.

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EXHIBIT C
SPECIAL PROVISIONS

No special provisions.

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EXHIBIT D
ADMINISTRATIVE SERVICES

1. TRAVEL EXPENSES

ASC shall assume all reasonable travel and related expenses. All labor rates shall be "fully loaded", including, but not limited to: meals, hotel/housing, airfare, car rentals, car mileage, and out of pocket expenses.

2. SHIPPING AND DELIVERY FEE EXEMPTION

The State will not pay for any shipping or delivery fees unless specifically itemized in the Contract.

3. ACCESS/COOPERATION

As applicable, and subject to the applicable laws and regulations, the State will provide the ASC with access to all program files, libraries, personal computer-based systems, software packages, network systems, security systems, and hardware as required to complete the contracted Services.

The State will use reasonable efforts to provide approvals, authorizations, and decisions reasonably necessary to allow the ASC to perform its obligations under the Contract.

4. STATE-OWNED DOCUMENTS AND COPYRIGHT PRIVILEGES

The ASC shall provide the State access to all State-owned documents, materials, reports, and other work in progress relating to this Contract. Upon expiration or termination of the Contract with the State, the ASC shall turn over all State-owned documents, material, reports, and work in progress relating to this Contract to the State at no additional cost to the State. Documents shall be provided in both printed and electronic format.

5. RECORDS RETENTION AND ACCESS REQUIREMENTS

ASC hereby agrees to the conditions of all applicable State and federal laws and regulations, which are incorporated herein by reference, regarding retention and access requirements, including without limitation, retention policies consistent with the Federal Acquisition Regulations (FAR) Subpart 4.7 *Contractor Records Retention*.

ASC (and its Subcontractors if applicable) shall maintain books, records, documents, and other evidence of accounting procedures and practices, which properly and sufficiently reflect all direct and indirect costs invoiced in the performance of their respective obligations under the Contract. ASC (and its Subcontractors if applicable) shall retain all such records for three (3) years following termination of the Contract, including any extensions. Records relating to any litigation matters regarding the

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EXHIBIT D
ADMINISTRATIVE SERVICES

Contract shall be kept for one (1) year following the termination of all litigation, including the termination of all appeals or the expiration of the appeal period.

Upon prior notice and subject to reasonable time frames, all such records shall be subject to inspection, examination, audit and copying by personnel so authorized by the State and federal officials so authorized by law, rule, regulation or Contract, as applicable. Access to these items shall be provided within Merrimack County of the State of New Hampshire, unless otherwise agreed by the State. Delivery of and access to such records shall be at no cost to the State during the three (3) year period following termination of the Contract and one (1) year term following litigation relating to the Contract, including all appeals or the expiration of the appeal period. ASC shall include the record retention and review requirements of this section in any of its subcontracts.

The State agrees that books, records, documents, and other evidence of accounting procedures and practices related to ASC's cost structure and profit factors shall be excluded from the State's review unless the cost of any other Services or Deliverables provided under the Contract is calculated or derived from the cost structure or profit factors.

6. ACCOUNTING REQUIREMENTS

ASC shall maintain an accounting system in accordance with Generally Accepted Accounting Principles. The costs applicable to the Contract shall be ascertainable from the accounting system and ASC shall maintain records pertaining to the Services and all other costs and expenditures:

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EXHIBIT E
IMPLEMENTATION SERVICES

I. STATE MEETINGS AND REPORTS

The State believes that effective communication and reporting are essential to Project success.

ASC Key Project Staff shall participate in meetings as requested by the State, in accordance with the requirements and terms of this Contract.

- a. **Introductory Meeting:** Participants will include ASC Key Project Staff and State Project leaders from both Department of Justice and the Department of Information Technology. This meeting will enable leaders to become acquainted and establish any preliminary Project procedures.
- b. **Kickoff Meeting:** Participants will include the State and ASC Project Team and major stakeholders. This meeting is to establish a sound foundation for activities that will follow.
- c. **Status Meetings:** Participants will include, at the minimum, the ASC Project Manager and the State Project Manager. These meetings will be conducted at least bi-weekly and address overall Project status and any additional topics needed to remain on schedule and within budget. A status and error report from ASC shall serve as the basis for discussion.
- d. **The Work Plan:** must be reviewed at each Status Meeting and updated, at minimum, on a bi-weekly basis, in accordance with the Contract.
- e. **Special Meetings:** Need may arise for a special meeting with State leaders or Project stakeholders to address specific issues.
- f. **Exit Meeting:** Participants will include Project leaders from ASC and the State. Discussion will focus on lessons learned from the Project and on follow up options that the State may wish to consider.

The State expects ASC to prepare agendas and background for and minutes of meetings. Background for each status meeting must include an updated Work Plan. Drafting of formal presentations, such as a presentation for the kickoff meeting, will also be ASC's responsibility.

The ASC Project Manager or ASC Key Project Staff shall submit monthly status reports in accordance with the Schedule and terms of this Contract. All status reports shall be prepared in formats approved by the State. The ASC's Project Manager shall assist the State's Project Manager, or itself produce reports related to Project Management as reasonably requested by the State, all at no additional cost to the State. ASC shall produce Project status reports, which shall contain, at a minimum, the following:

1. Project status related to the Work Plan;
2. Deliverable status;
3. Accomplishments during weeks being reported;

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EXHIBIT E
IMPLEMENTATION SERVICES

4. Planned activities for the upcoming two (2) week period;
5. Future activities; and
6. Issues and concerns requiring resolution.
7. Report and remedies in case of falling behind Schedule

As reasonably requested by the State, ASC shall provide the State with information or reports regarding the Project. ASC shall prepare special reports and presentations relating to Project Management, and shall assist the State in preparing reports and presentations, as reasonably requested by the State, all at no additional cost to the State.

2. IMPLEMENTATION STRATEGY

2.1 Key Components

ASC shall employ an Implementation strategy with a timeline set forth in accordance with the Work Plan:

ASC and the State shall adopt a change management approach to identify and plan key strategies and communication initiatives.

The ASC team will provide training templates as defined in the Training Plan, which will be customized to address the State's specific requirements. Decisions regarding format, content, style, and presentation shall be made early on in the process, by the State, providing sufficient time for development of material as functionality is defined and configured.

ASC shall utilize an approach that fosters and requires the participation of State resources, uses their business expertise to assist with the configuration of the applications, and prepares the State to assume responsibility for and ownership of the new system. A focus on technology transition shall be deemed a priority.

ASC shall manage Project execution and provide the tools needed to create and manage the Project's Work Plan and tasks, manage and schedule Project staff, track and manage issues, manage changing requirements, maintain communication within the Project Team, and report status.

ASC shall adopt an Implementation time-line aligned with the State's required time-line.

2.2 Timeline

The timeline is set forth in the Work Plan. During the initial planning period Project task and resource plans will be established for: the preliminary training plan, the change management plan, communication approaches, Project standards and procedures finalized, and team training initiated.

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EXHIBIT E
IMPLEMENTATION SERVICES

2.2.1 Project Infrastructure

The focus of the Project infrastructure work phase is the acquisition and implementation of the Project's development and production hardware infrastructure.

2.2.2 Implementation

Timing will be structured to recognize interdependencies between applications and structure a cost effective and timely execution.

Processes will be documented, training established, and the application will be ready for implementation in accordance with the State's schedule.

Implementation shall be piloted in one area/office to refine the training and implementation approach, or the State shall choose a one-time statewide implementation.

2.2.3 Change Management and Training

ASC's change management and training services shall be focused on developing change management and training strategies and plans. Its approach relies on State resources for the execution of the change management and end user training.

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EXHIBIT F
TESTING SERVICES

ASC shall provide the following Products and Services described in this Exhibit F, including but not limited to:

1. TESTING AND ACCEPTANCE

ASC shall bear all responsibilities for the full suite of Test Planning and preparation throughout the Project. ASC will also provide training as necessary to the State staff responsible for test activities. ASC shall be responsible for all aspects of testing contained in the Acceptance Test Plan including support, at no additional cost, during User Acceptance Test conducted by the State and the testing of the training materials.

The Test Plan methodology shall reflect the needs of the Project and be included in the finalized Work Plan. A separate Test Plan and set of test materials will be prepared for each Software function or module.

All Testing and Acceptance (both business and technically oriented testing) shall apply to testing the System as a whole, (e.g., software modules or functions, and Implementation(s)). This shall include planning, test scenario and script development, Data and System preparation for testing, and execution of Unit Tests, System Integration Tests, Conversion Tests, Installation tests, Regression tests, Performance Tuning and Stress tests, Security Review and tests, and support of the State during User Acceptance Test and Implementation.

In addition, ASC shall provide a mechanism for reporting actual test results vs. expected results and for the resolution and tracking of all errors and problems identified during test execution. ASC shall also correct Deficiencies and support required re-testing.

1.1 Test Planning and Preparation

ASC shall provide the State with an overall Test Plan that will guide all testing. The ASC provided, State approved, Test Plan will include, at a minimum, identification, preparation, and Documentation of planned testing, a requirements traceability matrix, test variants, test scenarios, test cases, test scripts, test Data, test phases, unit tests, expected results, and a tracking method for reporting actual versus expected results as well as all errors and problems identified during test execution.

As identified in the Acceptance Test Plan, and documented in accordance with the Work Plan and the Contract; State testing will commence upon ASC's Project Manager's Certification, in writing, that ASC's own staff has successfully executed all prerequisite ASC testing, along with reporting the actual testing results, prior to the start of any testing executed by State staff. The State will be presented with a State approved Acceptance Test Plan, test scenarios, test cases, test scripts, test data, and expected results.

The State will commence its testing within five (5) business days of receiving Certification from ASC that the State's personnel have been trained and the System is installed, configured, complete, and ready for State testing. The testing will be conducted by the State in an environment independent

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EXHIBIT F
TESTING SERVICES

from ASC's development environment. ASC must assist the State with testing in accordance with the Test Plan and the Work Plan, utilizing test and live Data to validate reports, and conduct stress and performance testing, at no additional cost.

Testing begins upon completion of the Software configuration as required and user training according to the Work Plan. Testing ends upon issuance of a letter of UAT Acceptance by the State.

ASC must demonstrate that their testing methodology can be integrated with the State standard methodology.

1.2 Unit Testing

In Unit Testing, ASC shall test the application components on an individual basis to verify that the inputs, outputs, and processing logic of each application component functions without errors. Unit testing is performed in either the development environment or a testing environment.

The goal is to find errors in the smallest unit of software before logically linking it into larger units. If successful, subsequent testing should only reveal errors related to the integration between application modules.

The ASC developer, who is responsible for a specific unit of work, will be responsible for conducting the unit testing of their modules.

Activity Description	Develop the scripts needed to unit test individual application modules, interface(s) and conversion components.
ASC Team Responsibilities	For application modules, conversions and interfaces the ASC team will identify applicable test scripts and installation instructions, adapt them to the Project specifics, test the process, and compare with the documented expected results.
Work Product Description	Unit-Tested Modules that have been tested to verify that the inputs, outputs, and processing logic of each application module functions without errors. Individual detailed test scripts and installation guides list all the required actions and data to conduct the test, the process for test execution, and the expected results.

1.3 System Integration Testing

The new System is tested in integration with other application systems (legacy and service providers) in a production-like environment. System Integration Testing validates the integration between the individual unit application modules and verifies that the new System meets defined requirements and supports execution of interfaces and business processes. The System Integration Test is performed in a test environment.

Thorough end-to-end testing shall be performed by the ASC team(s) to confirm that the Application integrates with any interfaces. The test emphasizes end-to-end business processes, and the flow of information across applications. It includes all key business processes and interfaces being

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TESTING SERVICES

implemented, confirms data transfers with external parties, and includes the transmission or printing of all electronic and paper documents.

Activity Description	Systems Integration Testing validates the integration between the target application modules and other systems, and verifies that the new System meets defined interface requirements and supports execution of business processes. This test emphasizes end-to-end business processes and the flow of information across the application. It includes all key business processes and interfaces being implemented, confirms data transfers with external parties, and includes the transmission or printing of all electronic and paper documents.
ASC Team Responsibilities	<ul style="list-style-type: none"> • Take the lead in developing the Systems Integration Test Specifications. • Work jointly with the State to develop and load the data profiles to support the test Specifications. • Work jointly with the State to validate components of the test scripts.
State Responsibilities	<ul style="list-style-type: none"> • Work jointly with ASC to develop the Systems Integration Test Specifications. • Work jointly with ASC to develop and load the data profiles to support the test Specifications. • Work jointly with ASC to validate components of the test scripts, modifications, fixes and other System interactions with the ASC supplied Software Solution.
Work Product Description	<ul style="list-style-type: none"> • The Integration Tested System indicates that all interfaces between the application and the legacy and third-party systems, interfaces, and applications are functioning properly.

1.4 Conversion Validation Testing

In Conversion Validation Testing, target application functions are validated.

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Activity Description	The conversion-validation test should replicate the entire flow of the converted data through the Software Solution. As the Software Solution is interfaced to legacy or third-party applications/interfaces, testing verifies that the resulting flow of the converted data through these interface points performs correctly.
ASC Team Responsibilities	For conversions and interfaces, the ASC team will execute the applicable validation tests and compare execution results with the documented expected results.
State Responsibilities	Extract and cleanse, if necessary, the legacy data to be converted in the data conversions.
Work Product Description	Validation-Tested Conversion Programs. These programs include conversion programs that have been tested to verify that the resulting converted legacy data performs correctly in the entire suite of the Application.

1.5 Installation Testing

In Installation Testing the application components are installed in the System Test environment to test the installation routines and are refined for the eventual production environment. This activity serves as a dry run of the installation steps in preparation for configuring the production system.

1.6 User Acceptance Testing (UAT)

UAT begins upon completion of the Software configuration as required and user training according to the Work Plan. Testing ends upon issuance of a letter of UAT Acceptance by the State.

ASC's Project Manager must certify in writing, that the ASC's own staff has successfully executed all prerequisite ASC testing, along with reporting the actual testing results prior to the start of any testing executed by State staff.

The State shall be presented with all testing results, as well as written Certification that ASC has successfully completed the prerequisite tests, meeting the defined Acceptance Criteria, and performance standards. The State shall commence testing within five (5) business days of receiving Certification, in writing, from ASC that the system is installed, configured, complete and ready for State testing. The State shall conduct the UAT utilizing scripts developed as identified in the Acceptance Test Plan to validate the functionality of the System and the interfaces, and verify Implementation readiness. UAT is performed in a copy of the production environment and can serve as a performance and stress test of the System. The User Acceptance Test may cover any aspect of the new System, including administrative procedures (such as backup and recovery).

The User Acceptance Test (UAT) is a verification process performed in a copy of the production environment. The User Acceptance Test verifies System functionality against predefined Acceptance criteria that support the successful execution of approved business processes.

UAT will also serve as a performance and stress test of the System. It may cover any aspect of the new System, including administrative procedures such as backup and recovery. The results of the

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UAT provide evidence that the new System meets the User Acceptance criteria as defined in the Work Plan.

The results of the User Acceptance Test provide evidence that the new System meets the User Acceptance criteria as defined in the Work Plan.

Upon successful conclusion of UAT and successful System deployment, the State will issue a letter of UAT Acceptance and the respective Warranty Period shall commence

Activity Description	The System User Acceptance Tests verify System functionality against predefined Acceptance criteria that support the successful execution of approved processes.
ASC Team Responsibilities	<ul style="list-style-type: none"> • Provide the State an Acceptance Test Plan and selection of test scripts for the Acceptance Test. • Monitor the execution of the test scripts and assist as needed during the User Acceptance Test activities. • Work jointly with the State in determining the required actions for problem resolution.
State Responsibilities	<ul style="list-style-type: none"> • Approve the development of the User Acceptance Test Plan and the set of data for use during the User Acceptance Test. • Validate the Acceptance Test environment. • Execute the test scripts and conduct User Acceptance Test activities. • Document and summarize Acceptance Test results. • Work jointly with ASC in determining the required actions for problem resolution. • Provide Acceptance of the validated Systems.
Work Product Description	The Deliverable for User Acceptance Tests is the User Acceptance Test Results. These results provide evidence that the new System meets the User Acceptance criteria defined in the Work Plan.

1.7 Performance Tuning and Stress Testing

ASC shall develop and document hardware and Software configuration and tuning of database and Java system code and Cognos reporting infrastructure as well as assist and direct the State's System Administrators and Database Administrators in configuring and tuning the infrastructure to support the software throughout the Project

1.7.1 Scope

The scope of Performance Testing shall be to measure the System level metrics critical for the development of the applications infrastructure and operation of the applications in the production environment.

It will include the measurement of response rates of the application for end-user transactions and resource utilization (of various servers and network) under various load conditions. These

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TESTING SERVICES

response rates shall become the basis for changes and retesting until optimum System performance is achieved.

Performance testing and tuning shall occur in the final production environment and shall use a copy of the final production database to provide the best results.

1.7.2 Test Types

Performance testing shall use two different types of testing to determine the stability of the application. They are baseline tests and load tests.

- a) **Baseline Tests:** Baseline tests shall collect performance data and load analysis by running scripts where the output is broken down into business transactions or functions. The test is like a single user executing a defined business transaction. During baseline testing, each individual script is run to establish a baseline for transaction response time, throughput and other user-based metrics.
- b) **Load Tests:** Load testing will determine if the behavior of the System can be sustained over a long period of time while running under expected conditions. Load test helps to verify the ability of the application environment under different load conditions based on workload distribution. System response time and utilization is measured and recorded.

1.7.3 Tuning

Tuning will be ASC led and occur during both the development of the application and load testing. Tuning is the process whereby the application performance is maximized. This can be the result of making code more efficient during development as well as making tuning parameter changes to the environment.

1.7.4 Implementing Performance and Stress Test

Performance and stress test tools shall be provided by ASC for this effort. Consideration shall be given to licensing with respect to continued use for regression testing. Any open source low/no cost tools used for this purpose, must be identified by ACS prior to use.

1.7.5 Scheduling Performance and Stress Testing

ASC shall perform Test Planning. The steps for planning include identification of application functionality as well as what percentage of normal daily use is represented by each function. This information will become the foundation for scripting so that tests closely represent what loads in production will look like.

ASC shall provide definition and expectations from testing. This definition should include who is in charge of testing and coordinating results, anticipated run times, logs required for tracking, their locations and which technician is responsible to track and provide them following each test to the team.

Initial test runs shall be completed to establish that the tests and data sets can be run to completion without errors. The ratio of types of transactions which makeup the test shall be reviewed prior to

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the beginning of testing and then again once testing has begun to make sure that testing accurately reflects the system performing in production.

Initial tests shall be used to establish a baseline from which all subsequent tests will be compared. Tests will be considered for baseline status once two of them have been run within 2% of each other in key and overall performance areas. No changes to the test scripts or data sets (with the exception of restores after each test) can be done to the test environment once tuning has begun so as not to damage the comparison to baseline results. The systems must be restarted prior to each test run to assure all cache is cleaned out. All effort will be made to run these tests at a time when system and network infrastructure utilization doesn't impact the results. Tests will be run in close proximity to our infrastructure so as to eliminate the public network from our environment.

Post test reporting and result assessment will be scheduled following each test. The team will compare these results to the baseline and a determination must be made to make additional changes to the parameter being tuned or return to the prior configuration and select another parameter to tune while keeping in mind that significant changes to any one parameter may require the retesting of some others. Careful work on identifying dependencies up front should minimize this impact.

If defects are identified in the application during testing they will be recorded; however, changes to the application code should be avoided if possible so as not to affect baseline comparisons. If a change to the application is required new baselines will be established (and possibly the execution of prior tests to validate changes with the new application) before testing can continue.

When performing capacity testing against a GUI the focus will be on the ability of the interface to respond to user input.

During stress/load testing the tester will attempt to stress or load an aspect of the system to the point of failure. The goal is to determine weak points in the system architecture. The tester will identify peak load conditions at which the program will fail to handle required processing loads within required time spans.

During Performance testing the tester will design test case scenarios to determine if the system meets the stated performance criteria (i.e. A Login request shall be responded to in 1 second or less under a typical daily load of 1000 requests per minute.). In both cases the tester will determine the capacity of the system under a known set of conditions.

1.8 Regression Testing

As a result of the user testing activities, problems will be identified that require correction. The State will notify ASC of the nature of the testing failures in writing. ASC will be required to perform additional testing activities in response to State and/or user problems identified from the testing results. Regression testing means selective re-testing to detect faults introduced during the modification effort, both to verify that the modifications have not caused unintended adverse effects, and to verify that the modified and related (possibly affected) System components still meet their specified requirements:

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- a.) For each minor failure of an Acceptance Test, the Acceptance Period shall be extended by corresponding time defined in the Test Plan.
- b.) ASC shall notify the State no later than five (5) business days from the ASC's receipt of written notice of the test failure, and when ASC expects the corrections to be completed and ready for retesting by the State. ASC will have up to five (5) business days to make corrections to the problem unless specifically extended in writing by the State.
- c.) When a programming change is made in response to a problem identified during user testing, a regression Test Plan should be developed by ASC based on the understanding of the program and the change being made to the program. The Test Plan has two objectives:
 - 1. validate that the change/update has been properly incorporated into the program; and
 - 2. validate that there has been no unintended change to the other portions of the program.
- d.) ASC will be expected to:
 - 1. Create a set of test conditions, test cases, and test data that will validate that the change has been incorporated correctly;
 - 2. Create a set of test conditions, test cases, and test data that will validate that the unchanged portions of the program still operate correctly; and
 - 3. Manage the entire cyclic process.
- e.) ASC will be expected to execute the regression test, provide actual testing results, and certify its completion in writing to the State prior to passing the modified Software application to the users for retesting.

In designing and conducting such regression testing, ASC will be required to assess the risks inherent to the modification being implemented and weigh those risks against the time and effort required for conducting the regression tests. In other words, ASC will be expected to design and conduct regression tests that will identify any unintended consequences of the modification while taking into account Schedule and economic considerations.

1.9 Security Review and Testing

IT Security involves all functions pertaining to the securing of State Data and Systems through the creation and definition of security policies, procedures and controls covering such areas as identification, authentication and non-repudiation.

All components of the Software shall be reviewed and tested to ensure they protect the State's hardware and software and its related Data assets. Tests shall focus on the technical, administrative and physical security controls that have been designed into the System architecture in order to provide the necessary confidentiality, integrity and availability. Tests shall, at a minimum, cover each of the service components. Test procedures shall include penetration tests (pen tests), code analysis, and review.

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Service Component	Defines the set of capabilities that:
Identification and Authentication	Supports obtaining information about those parties attempting to log onto a system or application for security purposes and the validation of users
Access Control	Supports the management of permissions for logging onto a computer or network
Encryption	Supports the encoding of data for security purposes
Intrusion Detection	Supports the detection of illegal entrance into a computer system
Verification	Supports the confirmation of authority to enter a computer system, application or network
Digital Signature	Guarantees the unaltered state of a file
User Management	Supports the administration of computer, application and network accounts within an organization.
Role/Privilege Management	Supports the granting of abilities to users or groups of users of a computer, application or network
Audit Trail Capture and Analysis	Supports the identification and monitoring of activities within an application or system
Input Validation	Ensures the application is protected from buffer overflow, cross-site scripting, SQL injection, and unauthorized access of files and/or directories on the server.

Tests shall focus on the technical, administrative and physical security controls that have been designed into the System architecture in order to provide the necessary confidentiality, integrity and availability. Tests shall, at a minimum, cover each of the service components. Test procedures shall include 3rd party Penetration Tests (pen test) and code analysis and review.

Prior to the System being moved into production, ASC shall provide results of all security testing to the Department of Information Technology for review and Acceptance. All Software and hardware shall be free of malicious code (malware):

1.10 Successful UAT Completion

Upon successful completion of UAT, the State will issue a Letter of UAT Acceptance.

1.11 System Acceptance

Upon completion of the Warranty Period, the State shall issue a Letter of Final System Acceptance.

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<p>Penetration Testing shall include:</p> <p>Implement a methodology for penetration testing that includes the following:</p> <ul style="list-style-type: none">• Is based on industry-accepted penetration testing approaches (for example, NIST SP800-115)• Includes coverage for the entire CDE perimeter and critical systems• Includes testing from both inside and outside the network• Includes testing to validate any segmentation and scope-reduction controls• Defines network-layer penetration tests to include components that support network functions as well as operating systems• Includes review and consideration of threats and vulnerabilities experienced in the last 12 months• Specifies retention of penetration testing results and remediation activities results.
<p>Perform external penetration testing at least annually and after any significant infrastructure or application upgrade or modification (such as an operating system upgrade, a sub-network added to the environment, or a web server added to the environment).</p>
<p>Perform internal penetration testing at least annually and after any significant infrastructure or application upgrade or modification (such as an operating system upgrade, a sub-network added to the environment, or a web server added to the environment).</p>
<p>Exploitable vulnerabilities found during penetration testing are corrected and testing is repeated to verify the corrections.</p>
<p>If segmentation is used to isolate the CDE from other networks, perform penetration tests at least annually and after any changes to segmentation controls/methods to verify that the segmentation methods are operational and effective, and isolate all out-of-scope systems from in-scope systems.</p>

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EXHIBIT G
MAINTENANCE AND SUPPORT SERVICES

1. SYSTEM MAINTENANCE

ASC shall maintain and support the System in all material respects as described in the applicable program Documentation through the Contract end date.

1.1 ASC's Responsibility

ASC shall maintain the Application System in accordance with the Contract. ASC will not be responsible for maintenance or support for Software developed or modified by the State.

1.1.1 Maintenance Releases

ASC shall make available to the State the latest program updates, general maintenance releases, selected functionality releases, patches, and Documentation that are generally offered to its customers, at no additional cost.

2. SYSTEM SUPPORT

2.1 ASC's Responsibility

ASC will be responsible for performing on-site or remote technical support in accordance with the Contract Documents, including without limitation, the requirements, terms and conditions contained herein.

As part of the Software maintenance agreement, ongoing Software maintenance and support levels, including all new Software releases, shall be responded to according to the following:

a. Class A Deficiencies (On-site or Remote Support)

For all Class A Deficiencies, ASC shall provide remote diagnostic services, within four (4) business hours of a request; and

AND

b. Class B & C Deficiencies -The State shall notify the ASC of such Deficiencies during regular business hours and the ASC shall respond back within twenty-four (24) business hours of notification of planned corrective action;

3. SUPPORT OBLIGATIONS AND TERM

3.1 ASC shall repair or replace Software, and provide maintenance of the Software in accordance with the Specifications and terms and requirements of the Contract;

3.2 ASC shall maintain a record of the activities related to warranty repair or maintenance activities performed for the State;

3.3 For all maintenance Services calls, ASC shall ensure the following information will be collected and maintained:

- 1) nature of the Deficiency;
- 2) current status of the Deficiency;

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- 3) action plans, dates, and times;
- 4) expected and actual completion time;
- 5) Deficiency resolution information;
- 6) Resolved by whom,
- 7) Identifying number, i.e. work order number, and
- 8) Issue identified by

- 3.4 ASC shall work with the State to identify and troubleshoot potentially large-scale System failures or Deficiencies by collecting the following information:
- 1) mean time between reported Deficiencies with the Software;
 - 2) diagnosis of the root cause of the problem; and
 - 3) identification of repeat calls or repeat Software problems.
- 3.5 If ASC fails to correct a Deficiency within the allotted period of time stated above, ASC shall be deemed to have committed an Event of Default, and the State shall have the right, at its option, to pursue the remedies in Part 1 Section 14, as well as to return ASC's product and receive a refund for all amounts paid to ASC, including but not limited to, applicable license fees, within ninety (90) days of notification to ASC of the State's refund request.

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EXHIBIT H
REQUIREMENTS

Attachment 1: Project Requirements is hereby incorporated within.

	BUSINESS REQUIREMENTS	M/O	Y/M/N	VENDOR COMMENTS
B-5	The Contractor shall develop A01 transaction mapping to the AHEDD database and processing (similar to A04 registration transactions). Reference deliverable F-1.i.	M	Y	
B-6	The Contractor shall offload and store historical data, retaining 5 complete years of data and the current processing year. Reference deliverable F-1.i.b.	M	Y	
B-7	The Contractor shall automate processing of misspelled patient town names to complete assignment to a political town/county/Public Health Region using an existing table with misspelled town names linked to correct political towns, which NH DPHS will complete. Reference deliverable F-1.i.d.	M	Y	
B-8	The Contractor shall add Meaningful Use (MU) Stage 3 fields (https://www.dhhs.nh.gov/dphs/bphs/documents/muquickref-py2018.pdf) and additional fields to the AHEDD database (such as Message Event Date/Time – EVN field 2, Admission Type – PVI field 4, Patient Hospital Unit – OBX field 5; Clinical Impression – OBX field 5, Pregnancy Status – OBX field 5, Initial Temperature – OBX field 5; Initial Acuity – OBX 5, and Travel History – OBX field 5). Reference deliverable F-1.i.f.	M	Y	
B-9	The Contractor shall build EP and UC database infrastructure to accept encounters but identify these separately from hospital encounters. Reference deliverable F-1.i.h.	M	Y	
B-10	The Contractor shall build the capability to report triage notes, report by Hospital Service Areas, surround towns (using an existing table that NH DPHS to complete), and other needed Cognos reporting. Reference deliverable F-1.i.j.	M	Y	

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REQUIREMENTS

	GENERAL REQUIREMENTS:			
G-1	The Contract shall begin on the Initial Project Start Date and extend through 08/31/2018.	M	Y	
G-2	Contractor shall participate in an initial kick-off meeting to initiate the Project. Reference deliverable F-1.a.	M	Y	
G-3	Contractor shall provide Project Staff as specified in the RFQ.	M	Y	
G-4	Contractor shall submit a finalized Work Plan within ten (10) days after Contract award and approval by Governor and Council. The Work Plan shall include, a detailed description of the Schedule, tasks, deliverables, task dependencies, and payment Schedule. A review of existing documentation will be done and only notable gap documentation will be added. The plan shall be updated weekly.	M	Y	
G-5	Contractor shall provide detailed weekly status reports on the progress of the Project, which will include expenses incurred year	M	Y	
G-6	All user, technical, and system documentation as well as project schedules, plans, status reports, and correspondence must be maintained as project documentation (formatted in Word and located in a common location as agreed upon with agency).	M	Y	
	TECHNICAL REQUIREMENTS			
T-1	The Solution must comply with Open Standards as specified in RSA 21-R:10 and 21-R:13, including but not limited to Open Data Formats	M	Y	

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ASC's Project Manager and the State Project manager shall finalize the Work Plan within ten(10) days of the Effective Date and further refine the tasks required to implement the Project. The elements of the preliminary Work Plan are documented in accordance with ASC's plan to implement the Application Software. Continued development and management of the Work Plan is a joint effort on the part of ASC and State Project Managers.

The preliminary Work Plan created by ASC and the State is set forth at the end of this Exhibit.

In conjunction with ASC's Project Management methodology, which shall be used to manage the Project's life cycle, the ASC team and the State shall finalize the Work Plan at the onset of the Project. This plan shall identify the tasks, Deliverables, major milestones, task dependencies, and a payment Schedule required to implement the Project. It shall also address intra-task dependencies, resource allocations (both State and ASC team members), refine the Project's scope, and establish the Project's Schedule. The Plan is documented in accordance with ASC's Work Plan and shall utilize <SOFTWARE TYPE> to support the ongoing management of the Project.

1. ASSUMPTIONS (ADD TO/CHANGE THIS AS APPROPRIATE)

A. General

- The State shall provide team members with decision-making authority to support the Implementation efforts, at the level outlined in the Request for Proposal Document State Staffing Matrix.
- All State tasks must be performed in accordance with the revised Work Plan.
- All key decisions will be resolved within five (5) business days. Issues not resolved within this initial period will be escalated to the State Project Manager for resolution.
- Any activities, decisions or issues taken on by the State that affect the mutually agreed upon Work Plan timeline, scope, resources, and costs shall be subject to the identified Change Control process.
- ASC shall provide a separate escrow agreement for the application.
- ASC shall maintain an accounting system in accordance with Generally Accepted Accounting Principles (GAAP).

B. Logistics

- The ASC Team shall perform this Project at State facilities at no cost to ASC.
- The ASC Team may perform that work at a facility other than that furnished by the State, when practical, at their expense.
- The ASC Team shall honor all holidays observed by ASC or the State, although with permission, may choose to work on holidays and weekends.
- The State shall provide adequate facilities for the ASC Team, including PCs, phones, Virtual Private Network (VPN) access, and modem-based dial-out capability and access to any necessary internal State networks and/or software (within State standards). A physical workspace for each consultant, including a desk and chair, with the items mentioned above, shall be provided. Convenient access to a high-speed printer, a high-speed copier, and a fax machine shall be



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provided to the Project Team, as well as access to conference rooms for meetings. This space, equipment, and printer/fax supplies shall be provided at no cost to the ASC Team and shall be available when the Project begins.

C. Project Management

- The State shall approve the Project Management Methodology used for the Project.
- The State shall provide the Project Team with reasonable access to the State personnel as needed to complete Project tasks.
- A Project folder created within the State system shall be used for centralized storage and retrieval of Project documents, work products, and other material and information relevant to the success of the Project and required by Project Team members. This central repository is secured by determining which team members have access to the Project folder and granting either view or read/write privileges. ASC's Project Manager will establish and maintain this folder. The State Project Manager shall approve access for the State team. Documentation can be stored locally for ASC and State team on a "shared" network drive to facilitate ease and speed of access. Final versions of all Documentation shall be loaded to the State System.
- ASC assumes that an Alternate Project Manager may be appointed from time to time to handle reasonable and ordinary absences of the Project Manager.

A. Technical Environment and Management

- The State is responsible for providing the hardware, network, and communication facilities needed to support the Project.
- The State shall provide the hardware and operating system to host the Project's development and production instances. Hardware and operating system environments must be sized to support a minimum of six (6) instances of the applications (instances include: configuration, development, system/integration testing, Acceptance Testing, training, and production). All instances shall be installed on similar hardware configurations and operating system.
- The State's hardware operating environment and supporting software shall meet ASC certification requirements for the applications deployment being installed.
- The State is responsible for providing the Internet access.
- ASC team shall implement Release XX, Version XXX applications.
- ASC will lead an effort, including the State of New Hampshire Operations Team, to identify the hardware requirements for the development, test and production environments. The State of New Hampshire shall satisfy those hardware requirements prior to ASC and State of New Hampshire teams building of the environment.
- Designated State systems personnel shall be available during normal working hours and for adjustments to operating systems configurations and tuning.

E. Conversions

- The ASC Team's proposal is based on the assumption that the State's technical team is capable of implementing, with assistance from the ASC technical team, a subset of the conversions. The ASC Team shall lead the State with the mapping of the legacy Data to the ASC applications.
- Additionally, the ASC Team shall:

AS

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1. Provide the State with ASC application data requirements and examples, of data mappings, conversion scripts, and data loaders. The ASC Team shall identify the APIs the State should use in the design and development of the conversion.
2. Provide guidance and assistance with the use of the data loaders and conversion scripts provided.
3. Lead the review of functional and technical Specifications.
4. Assist with the resolution of problems and issues associated with the development and implementation of the conversions.

F. Project Schedule

- Deployment is planned to begin upon Governor and Executive Council approval on or about May 2, 2018, with a planned end date of 8/31/18.

G. Reporting

- ASC shall conduct weekly status meetings, and provide reports that include, but are not limited to, minutes, action items, test results and Documentation.

H. User Training

- The ASC Team shall lead the development of the end-user training plan.
- A train the trainer approach shall be used for the delivery of end-user training.
- The State is responsible for the delivery of end-user training.
- The State shall schedule and track attendance on all end-user training classes.

I. Performance and Security Testing

- The ASC Team shall provide a performance test workshop to identify the key scenarios to be tested, the approach and tools required, and best practices information on performance testing.
- The State shall work with ASC on performance testing as set forth in Contract Exhibit F – *Testing Services*.

2. ROLES AND RESPONSIBILITIES

A. ASC Team Roles and Responsibilities

1) ASC Team Project Executive

The ASC Team's Project Executives (ASC and Subcontractor Project Executives) shall be responsible for advising on and monitoring the quality of the Implementation throughout the Project life cycle. The Project Executive shall advise the ASC Team Project Manager and the State's Project leadership on the best practices for implementing the ASC Software Solution within the State. The Project Executive shall participate in the definition of the Project Plan and provide guidance to the State's Team.

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2) ASC Team Project Manager

The ASC Team Project Manager shall have overall responsibility for the day-to-day management of the Project and shall plan, track, and manage the activities of the ASC Implementation Team. The ASC Team Project Manager will have the following responsibilities:

- Maintain communications with the State's Project Manager;
- Work with the State in planning and conducting a kick-off meeting;
- Create and maintain the Work Plan;
- Assign ASC Team consultants to tasks in the Implementation Project according to the scheduled staffing requirements;
- Define roles and responsibilities of all ASC Team members;
- Provide weekly and monthly update progress reports to the State Project Manager;
- Notify the State Project Manager of requirements for State resources in order to provide sufficient lead time for resources to be made available;
- Review task progress for time, quality, and accuracy in order to achieve progress;
- Review requirements and scheduling changes and identify the impact on the Project in order to identify whether the changes may require a change of scope;
- Implement scope and Schedule changes as authorized by the State Project Manager and with appropriate Change Control approvals as identified in the Implementation Plan;
- Inform the State Project Manager and staff of any urgent issues if and when they arise;
- Provide the State completed Project Deliverables and obtain sign-off from the State's Project Manager.

3) ASC Team Analysis

The ASC Team shall conduct analysis of requirements, validate the ASC Team's understanding of the State business requirements by application, and perform business requirements mapping:

- Construct and confirm application test case scenarios;
- Produce application configuration definitions and configure the applications;
- Conduct testing of the configured application;
- Produce functional Specifications for extensions, conversions, and interfaces;
- Assist the State in the testing of extensions, conversions, and interfaces;
- Assist the State in execution of the State's Acceptance Test;
- Conduct follow-up meetings to obtain feedback, results, and concurrence/approval from the State;
- Assist with the correction of configuration problems identified during system, integration and Acceptance Testing; and
- Assist with the transition to production.

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4) ASC Team Tasks

The ASC team shall assume the following tasks:

- Development and review of functional and technical Specification to determine that they are at an appropriate level of detail and quality;
- Development and Documentation of conversion and interface programs in accordance with functional and technical Specifications;
- Development and Documentation of installation procedures; and
- Development and execution of unit test scripts;
- Unit testing of conversions and interfaces developed; and
- System Integration Testing.

B. State Roles and Responsibilities

The following State resources have been identified for the Project. The time demands on the individual State team members will vary depending on the phase and specific tasks of the Implementation. The demands on the Subject Matter Experts' time will vary based on the need determined by the State Leads and the phase of the Implementation.

1) State Project Manager

The State Project Manager shall work side-by-side with the ASC Project Manager. The role of the State Project Manager is to manage State resources (IF ANY), facilitate completion of all tasks assigned to State staff, and communicate Project status on a regular basis. The State Project Manager represents the State in all decisions on Implementation Project matters, provides all necessary support in the conduct of the Implementation Project, and provides necessary State resources, as defined by the Work Plan and as otherwise identified throughout the course of the Project. The State Project Manager has the following responsibilities:

- Plan and conduct a kick-off meeting with assistance from the ASC team;
- Assist the ASC Project Manager in the development of a detailed Work Plan;
- Identify and secure the State Project Team members in accordance with the Work Plan;
- Define roles and responsibilities of all State Project Team members assigned to the Project;
- Identify and secure access to additional State end-user staff as needed to support specific areas of knowledge if and when required to perform certain Implementation tasks;
- Communicate issues to State management as necessary to secure resolution of any matter that cannot be addressed at the Project level;
- Inform the ASC Project Manager of any urgent issues if and when they arise; and
- Assist the ASC team staff to obtain requested information if and when required to perform certain Project tasks.

2) State Subject Matter Expert(s) (SME)

The role of the State SME is to assist application teams with an understanding of the State's current business practices and processes, provide agency knowledge, and participate in the Implementation. Responsibilities of the SME include the following:

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- Be the key user and contact for their Agency or Department;
- Attend Project Team training and acquire in-depth functional knowledge of the relevant applications;
- Assist in validating and documenting user requirements, as needed;
- Assist in mapping business requirements;
- Assist in constructing test scripts and data;
- Assist in System Integration, and Acceptance Testing;
- Assist in performing conversion and integration testing and Data verification;
- Attend Project meetings when requested; and
- Assist in training end users in the use of the ASC Software Solution and the business processes the application supports.

3) State Technical Lead and Architect

The State's Technical Lead and Architect reports to the State's Project Manager and is responsible for leading and managing the State's technical tasks. Responsibilities include:

- Attend technical training as necessary to support the Project;
- Assist the State and ASC Team Project Managers to establish the detailed Work Plan;
- Manage the day-to-day activities of the State's technical resources assigned to the Project;
- Work with State IT management to obtain State technical resources in accordance with the Work Plan;
- Work with the ASC Technical Lead and the State's selected hardware ASC to architect and establish an appropriate hardware platform for the State's Project development and production environments;
- Work in partnership with the ASC and lead the State technical staff's efforts in documenting the technical operational procedures and processes for the Project. This is a ASC Deliverable and it will be expected that ASC will lead the overall effort with support and assistance from the State; and
- Represent the technical efforts of the State at weekly Project meetings.

4) State Application DBA (DoIT)

The role of the State Application DBA(s) is to work closely with the ASC Team to install and maintain the Application environments throughout the duration of the Project. It is important that the State Application DBA(s) assumes responsibility for the support of these environments as soon as possible and conducts the following responsibilities throughout the Implementation Project:

- Attend Application DBA training and acquire in-depth technical knowledge of application DBA responsibilities, if the DBA has not already done so:
 - Work with the ASC to finalize machine, site, and production configuration;
 - Work with the ASC to finalize logical and physical database configuration;
 - Work with the ASC to install the ASC tools, and ASC Applications for the development and training environment;

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- Work with the ASC to clone additional application instances as needed by the application teams;
 - Work with the ASC upgrades to the Application instances as required by the Teams. Maintain a consistent and constant parity with all instances as required by the Application teams;
 - Work with the ASC and the Application teams to establish and manage an instance management plan throughout the Project;
 - Work with the ASC to establish and execute backup and recovery procedures throughout the Project;
 - Manage Operating System adjustments and System Maintenance to maintain system configurations and Specifications;
 - Work with the Application Teams to manage the availability of Application instances throughout the Project;
 - Perform routine ASC Application monitoring and tuning;
 - Work with the ASC to define and test Application security, backup and recovery procedures; and
 - Assume responsibility for the database administration functions, upon transfer of the Application to the State's hardware platform.
 - Develop and maintain role-based security as defined by the Application Teams;
 - Establish new ASC Application user Ids; and
 - Configure menus, request groups, security rules, and custom responsibilities.
- 5) **State Network Administrator (DoIT)**
The State Network Administrator will provide technical support regarding networking requirements administration. The responsibilities will include:
- Assess the ability of the State's overall network architecture and capacity to adequately support implemented applications;
 - Establish connections among the database and application servers; and
 - Establish connections among the desktop devices and the Application and database servers.
- 6) **State Testing Administrator**
The State's Testing Administrator will coordinate the State's testing efforts. Responsibilities include:
- Coordinating the development of system, integration, performance, and Acceptance Test plans;
 - Coordinating system, integration, performance, and Acceptance Tests;
 - Chairing test review meetings;
 - Coordinating the State's team and external third parties involvement in testing;
 - Ensuring that proposed process changes are considered by process owners;
 - Establish priorities of Deficiencies requiring resolution; and
 - Tracking Deficiencies through resolution.

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3. SOFTWARE APPLICATION

The ACS will be making modifications to the existing Oracle database, AHEDD Java system code, and Cognos Reporting.

4. CONVERSIONS/INTERFACES

No conversions or interfaces will be needed.

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EXHIBIT J
SOFTWARE LICENSE

1. LICENSE GRANT

Subject to the payment of applicable license fees set forth in Contract Exhibit B: *Price and Payment Schedule*, ASC hereby grants to the State a worldwide, perpetual, irrevocable, non-exclusive, non-transferable, limited license to use the Software and its associated Documentation, subject to the terms of the Contract. The State may allow its agents and Contractors to access and use the Software, and in such event, the State shall first obtain written agreement from such agents and Contractors that each shall abide by the terms and conditions set forth herein.

2. SOFTWARE AND DOCUMENTATION COPIES

ASC shall provide the State with a sufficient number of hard copy versions of the Software's associated Documentation and one (1) electronic version in Microsoft WORD and PDF format. The State shall have the right to copy the Software and its associated Documentation for its internal business needs. The State agrees to include copyright and proprietary notices provided to the State by the ASC on such copies.

3. RESTRICTIONS

Except as otherwise permitted under the Contract, the State agrees not to:

- a. Remove or modify any program markings or any notice of ASC's proprietary rights;
- b. Make the programs or materials available in any manner to any third party for use in the third party's business operations, except as permitted herein; or
- c. Cause or permit reverse engineering, disassembly or recompilation of the programs.

4. TITLE

Title, right, and interest (including all ownership and intellectual property rights) in the Software, and its associated Documentation, shall remain with ASC.

5. VIRUSES

ASC shall provide Software that is free of viruses, destructive programming, and mechanisms designed to disrupt the performance of the Software in accordance with the Specifications.

As a part of its internal development process, ASC will use reasonable efforts to test the Software for viruses. ASC shall also maintain a master copy of the appropriate versions of the Software, free of viruses. If the State believes a virus may be present in the Software, then upon its request, ASC shall provide a master copy for comparison with and correction of the State's copy of the Software.

6. AUDIT

Upon forty-five (45) days written notice, ASC may audit the State's use of the programs at ASC's sole expense. The State agrees to cooperate with ASC's audit and provide reasonable assistance and access to information. The State agrees that ASC shall not be responsible for any of the State's reasonable costs incurred in cooperating with the audit. Notwithstanding the foregoing, ASC's audit rights are subject to applicable State and federal laws and regulations.

STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT J
SOFTWARE LICENSE

7. SOFTWARE NON-INFRINGEMENT

ASC warrants that it has good title to, or the right to allow the State to use all Services, equipment, and Software ("Material") provided under this Contract, and that such Services, equipment, and Software do not violate or infringe any patent, trademark, copyright, trade name or other intellectual property rights or misappropriate a trade secret of any third party.

The warranty of non-infringement shall be an on-going and perpetual obligation that shall survive termination of the Contract. In the event that someone makes a claim against the State that any Material infringe their intellectual property rights, ASC shall defend and indemnify the State against the claim provided that the State:

- a. Promptly notifies ASC in writing, not later than 30 days after the State receives actual written notice of such claim;
- b. Gives ASC control of the defense and any settlement negotiations; and
- c. Gives ASC the information, authority, and assistance reasonably needed to defend against or settle the claim.

Notwithstanding the foregoing, the State's counsel may participate in any claim to the extent the State seeks to assert any immunities or defenses applicable to the State.

If ASC believes or it is determined that any of the Material may have violated someone else's intellectual property rights, ASC may choose to either modify the Material to be non-infringing or obtain a license to allow for continued use, or if these alternatives are not commercially reasonable, ASC may end the license, and require return of the applicable Material and refund all fees the State has paid ASC under the Contract. ASC will not indemnify the State if the State alters the Material without ASC's consent or uses it outside the scope of use identified in ASC's user Documentation or if the State uses a version of the Material which has been superseded, if the infringement claim could have been avoided by using an unaltered current version of the Material which was provided to the State at no additional cost. ASC will not indemnify the State to the extent that an infringement claim is based upon any information design, Specification, instruction, Software, data, or material not furnished by ASC. ASC will not indemnify the State to the extent that an infringement claim is based upon the combination of any Material with any products or services not provided by ASC without ASC's consent.

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STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT K
WARRANTY AND WARRANTY SERVICES

WARRANTIES

1.1 Services

ASC warrants that the System will operate to conform to the Specifications, terms, and requirements of the Contract.

1.2 Software

ASC warrants that the Software, including but not limited to the individual modules or functions furnished under the Contract, is properly functioning within the System, compliant with the requirements of the Contract, and will operate in accordance with the Specifications and Terms of the Contract.

For any breach of the above Support and Maintenance warranty, the State's remedy, and ASC's entire liability, shall be: (a) the correction of program errors that cause breach of the warranty, or if ASC cannot substantially correct such breach in a commercially reasonable manner, the State may end its program license and recover the fees paid to ASC for the program license and any unused, prepaid technical support fees the State has paid for the program license; or (b) the re-performance of the deficient Services, or (c) if ASC cannot substantially correct a breach in a commercially reasonable manner, the State may end the relevant Services and recover the fees paid to ASC for the deficient Services.

1.3 Non-Infringement

ASC warrants that it has good title to, or the right to allow the State to use, all Services, equipment, and Software ("Material") provided under this Contract, and that such Services, equipment, and Software do not violate or infringe any patent, trademark, copyright, trade name or other intellectual property rights or misappropriate a trade secret of any third party.

1.4 Viruses; Destructive Programming

ASC warrants that the Software shall not contain any viruses, destructive programming, or mechanisms designed to disrupt the performance of the Software in accordance with the Specifications.

1.5 Compatibility

ASC warrants that all System components, including but not limited to the components provided, including any replacement or upgraded System Software components provided by ASC to correct Deficiencies or as an Enhancement, shall operate with the rest of the System without loss of any functionality.

STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT K
WARRANTY AND WARRANTY SERVICES

- 1.6 **Services**
ASC warrants that all Services to be provided under the Contract will be provided expediently, in a professional manner, in accordance with industry standards and that Services will comply with performance standards, Specifications, and terms of the Contract.
- 1.7 **Personnel**
ASC warrants that all personnel engaged in the Services shall be qualified to perform the Services, and shall be properly licensed and otherwise authorized to do so under all applicable laws.
- 1.8 **Breach of Data**
The ASC shall be solely liable for costs associated with any breach of State Data housed at their location(s) including but not limited to notification and any damages assessed by the courts.

2. WARRANTY SERVICES

ASC agrees to maintain, repair, and correct Deficiencies in the System Software, including but not limited to the individual modules or functions, during the Warranty Period, at no additional cost to the State, in accordance with the Specifications, Terms and requirements of the Contract, including, without limitation, correcting all errors, and Defects and Deficiencies; eliminating viruses or destructive programming; and replacing incorrect, Defective or Deficient Software and Documentation.

Warranty Services shall include, without limitation, the following:

- a. Maintain the System Software in accordance with the Specifications and Terms of the Contract;
- b. Repair or replace the System Software or any portion thereof so that the System operates in accordance with the Specifications, terms and requirements of the Contract;
- c. ASC shall have available to the State on-call telephone assistance, with issue tracking available to the State, twenty four (24) hours per day and seven (7) days a week with an email / telephone response within two (2) hours of request, with assistance response dependent upon issue severity;
- d. On-site additional Services within four (4) business hours of a request;
- e. Maintain a record of the activities related to warranty repair or maintenance activities performed for the State;
- f. For all Warranty Service calls, ASC shall ensure the following information will be collected and maintained: 1) nature of the Deficiency; 2) current status of the Deficiency; 3) action plans, dates, and times; 4) expected and actual completion time; 5) Deficiency resolution information; 6) resolved by 7) Identifying number i.e. work order number; 8) issue identified by.
- g. ASC must work with the State to identify and troubleshoot potentially large-scale Software failures or Deficiencies by collecting the following information: 1) mean time between reported Deficiencies with the Software; 2) diagnosis of the root cause of the problem; and 3) identification of repeat calls or repeat Software problems; and

STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT K
WARRANTY AND WARRANTY SERVICES

- b. All Deficiencies found during the Warranty Period and all Deficiencies found with the Warranty Releases shall be corrected by ASC no later than <number of days> business days, unless specifically extended in writing by the State, and at no additional cost to the State.

In the event ASC fails to correct a Deficiency within the allotted period of time, the State may, at its option: 1) declare ASC in default, terminate the Contract, in whole or in part, without penalty or liability to the State; 2) return ASC's product and receive a full refund for all amounts paid to ASC, including but not limited to, any applicable license fees within (90) days of notification to ASC of the State's intent to request a refund; and 3) to pursue its remedies available at law and in equity.

Notwithstanding any provision of this Contract, pursuant to Contract Agreement -Part 2 Section 13.1, the State's option to declare ASC in default, terminate the Contract and pursue its remedies shall remain in effect until satisfactory completion of the full Warranty Period.

3. WARRANTY PERIOD

The Warranty Period shall commence upon the State's issuance of a Letter of Acceptance for the UAT and extend for 90 days.

For subsequent modules or functions, the Warranty period will extend for 90 days after each of the remaining major functions or modules, integrated successfully with the entire system, receives a Letter of Acceptance from the State.

The Warranty Period shall remain in effect until the conclusion or termination of this Contract and any extensions, with the exception of the warranty for non-infringement, which shall survive the termination of this Contract.

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STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT L
TRAINING SERVICES

ASC shall provide Training Services as described in:

- Exhibit A, Deliverables;
- Exhibit B, Price and Payment Schedule;
- Exhibit E, Implementation;
- Exhibit F, Testing, and
- Exhibit I, Work Plan.

STATE OF NEW HAMPSHIRE
Department of Health & Human Services
Automated Hospital Emergency Department Data (AHEDD) System Support
CONTRACT 2017-026

EXHIBIT M
Attachments and Incorporated Documents

Attached are:

- A. Contractor's Certificate of Vote/Authority
- B. Contractor's Certificate of Good Standing
- C. Contractor's Certificate of Insurance
- D. DHHS Exhibits D-J
- E. DHHS Exhibit K Information Security Requirements
- F. Abacus Service Corporation's proposal to the Department of Health & Human Services in response to RFP-2017-026, Automated Hospital Emergency Department Data (AHEDD) System Support and Enhanced Surveillance Processing, dated November 28, 2017, is hereby incorporated by reference as fully set forth herein.

Remainder of page intentionally left blank.



CERTIFICATION REGARDING DRUG-FREE WORKPLACE REQUIREMENTS

The Contractor identified in Section 1.3 of the General Provisions agrees to comply with the provisions of Sections 5151-5160 of the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V, Subtitle D; 41 U.S.C. 701 et seq.), and further agrees to have the Contractor's representative, as identified in Sections 1.11 and 1.12 of the General Provisions execute the following Certification:

ALTERNATIVE I - FOR GRANTEEES OTHER THAN INDIVIDUALS

**US DEPARTMENT OF HEALTH AND HUMAN SERVICES - CONTRACTORS
US DEPARTMENT OF EDUCATION - CONTRACTORS
US DEPARTMENT OF AGRICULTURE - CONTRACTORS**

This certification is required by the regulations implementing Sections 5151-5160 of the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V, Subtitle D; 41 U.S.C. 701 et seq.). The January 31, 1989 regulations were amended and published as Part II of the May 25, 1990 Federal Register (pages 21681-21691), and require certification by grantees (and by inference, sub-grantees and sub-contractors), prior to award, that they will maintain a drug-free workplace. Section 3017.630(c) of the regulation provides that a grantee (and by inference, sub-grantees and sub-contractors) that is a State may elect to make one certification to the Department in each federal fiscal year in lieu of certificates for each grant during the federal fiscal year covered by the certification. The certificate set out below is a material representation of fact upon which reliance is placed when the agency awards the grant. False certification or violation of the certification shall be grounds for suspension of payments, suspension or termination of grants, or government wide suspension or debarment. Contractors using this form should send it to:

Commissioner
NH Department of Health and Human Services
129 Pleasant Street,
Concord, NH 03301-6505

1. The grantee certifies that it will or will continue to provide a drug-free workplace by:
 - 1.1. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
 - 1.2. Establishing an ongoing drug-free awareness program to inform employees about
 - 1.2.1. The dangers of drug abuse in the workplace;
 - 1.2.2. The grantee's policy of maintaining a drug-free workplace;
 - 1.2.3. Any available drug counseling, rehabilitation, and employee assistance programs; and
 - 1.2.4. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
 - 1.3. Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
 - 1.4. Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will
 - 1.4.1. Abide by the terms of the statement; and
 - 1.4.2. Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
 - 1.5. Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph 1.4.2 from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency



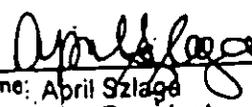
- has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant:
- 1.6. Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph 1.4.2, with respect to any employee who is so convicted
 - 1.6.1. Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - 1.6.2. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
 - 1.7. Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1.1, 1.2, 1.3, 1.4, 1.5, and 1.6.
2. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant.

Place of Performance (street address, city, county, state, zip code) (list each location)

Check if there are workplaces on file that are not identified here.

Contractor Name:

10/11/18
Date


Name: April Szlaga
Title: Vice President

Contractor Initials

AS
Date 10/11/18



CERTIFICATION REGARDING LOBBYING

The Contractor identified in Section 1.3 of the General Provisions agrees to comply with the provisions of Section 319 of Public Law 101-121, Government wide Guidance for New Restrictions on Lobbying, and 31 U.S.C. 1352, and further agrees to have the Contractor's representative, as identified in Sections 1.11 and 1.12 of the General Provisions execute the following Certification:

US DEPARTMENT OF HEALTH AND HUMAN SERVICES - CONTRACTORS
US DEPARTMENT OF EDUCATION - CONTRACTORS
US DEPARTMENT OF AGRICULTURE - CONTRACTORS

Programs (indicate applicable program covered):
*Temporary Assistance to Needy Families under Title IV-A
*Child Support Enforcement Program under Title IV-D
*Social Services Block Grant Program under Title XX
*Medicaid Program under Title XIX
*Community Services Block Grant under Title VI
*Child Care Development Block Grant under Title IV

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement (and by specific mention sub-grantee or sub-contractor).
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement (and by specific mention sub-grantee or sub-contractor), the undersigned shall complete and submit Standard Form LLL, (Disclosure Form to Report Lobbying, in accordance with its instructions, attached and identified as Standard Exhibit E-4.)
3. The undersigned shall require that the language of this certification be included in the award document for sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Contractor Name:

Name: April Szlaga
Title: Vice President

10/11/18
Date



**CERTIFICATION REGARDING DEBARMENT, SUSPENSION
AND OTHER RESPONSIBILITY MATTERS**

The Contractor identified in Section 1.3 of the General Provisions agrees to comply with the provisions of Executive Office of the President, Executive Order 12549 and 45 CFR Part 76 regarding Debarment, Suspension, and Other Responsibility Matters, and further agrees to have the Contractor's representative, as identified in Sections 1.11 and 1.12 of the General Provisions execute the following Certification:

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal (contract), the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. If necessary, the prospective participant shall submit an explanation of why it cannot provide the certification. The certification or explanation will be considered in connection with the NH Department of Health and Human Services' (DHHS) determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when DHHS determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, DHHS may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the DHHS agency to whom this proposal (contract) is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "Ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549: 45 CFR Part 76. See the attached definitions.
6. The prospective primary participant agrees by submitting this proposal (contract) that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by DHHS.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions," provided by DHHS, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or involuntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List (of excluded parties).
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and



information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal government, DHHS may terminate this transaction for cause or default.

PRIMARY COVERED TRANSACTIONS

11. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - 11.1. are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - 11.2. have not within a three-year period preceding this proposal (contract) been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or a contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - 11.3. are not presently indicted for otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (11)(b) of this certification; and
 - 11.4. have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
12. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal (contract).

LOWER TIER COVERED TRANSACTIONS

13. By signing and submitting this lower tier proposal (contract), the prospective lower tier participant, as defined in 45 CFR Part 76, certifies to the best of its knowledge and belief that it and its principals:
 - 13.1. are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
 - 13.2. where the prospective lower tier participant is unable to certify to any of the above, such prospective participant shall attach an explanation to this proposal (contract).
14. The prospective lower tier participant further agrees by submitting this proposal (contract) that it will include this clause entitled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion - Lower Tier Covered Transactions," without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

Contractor Name:

10/11/18
Date

April Szaga
Name: April Szaga
Title: Vice President

AS
10/11/18



**CERTIFICATION OF COMPLIANCE WITH REQUIREMENTS PERTAINING TO
FEDERAL NONDISCRIMINATION, EQUAL TREATMENT OF FAITH-BASED ORGANIZATIONS AND
WHISTLEBLOWER PROTECTIONS**

The Contractor identified in Section 1.3 of the General Provisions agrees by signature of the Contractor's representative as identified in Sections 1.11 and 1.12 of the General Provisions, to execute the following certification:

Contractor will comply, and will require any subgrantees or subcontractors to comply, with any applicable federal nondiscrimination requirements, which may include:

- the Omnibus Crime Control and Safe Streets Act of 1968 (42 U.S.C. Section 3789d) which prohibits recipients of federal funding under this statute from discriminating, either in employment practices or in the delivery of services or benefits, on the basis of race, color, religion, national origin, and sex. The Act requires certain recipients to produce an Equal Employment Opportunity Plan;
- the Juvenile Justice Delinquency Prevention Act of 2002 (42 U.S.C. Section 5672(b)) which adopts by reference, the civil rights obligations of the Safe Streets Act. Recipients of federal funding under this statute are prohibited from discriminating, either in employment practices or in the delivery of services or benefits, on the basis of race, color, religion, national origin, and sex. The Act includes Equal Employment Opportunity Plan requirements;
- the Civil Rights Act of 1964 (42 U.S.C. Section 2000d, which prohibits recipients of federal financial assistance from discriminating on the basis of race, color, or national origin in any program or activity);
- the Rehabilitation Act of 1973 (29 U.S.C. Section 794), which prohibits recipients of Federal financial assistance from discriminating on the basis of disability, in regard to employment and the delivery of services or benefits, in any program or activity;
- the Americans with Disabilities Act of 1990 (42 U.S.C. Sections 12131-34), which prohibits discrimination and ensures equal opportunity for persons with disabilities in employment, State and local government services, public accommodations, commercial facilities, and transportation;
- the Education Amendments of 1972 (20 U.S.C. Sections 1681, 1683, 1685-86), which prohibits discrimination on the basis of sex in federally assisted education programs;
- the Age Discrimination Act of 1975 (42 U.S.C. Sections 6106-07), which prohibits discrimination on the basis of age in programs or activities receiving Federal financial assistance. It does not include employment discrimination;
- 28 C.F.R. pt. 31 (U.S. Department of Justice Regulations - OJJDP Grant Programs); 28 C.F.R. pt. 42 (U.S. Department of Justice Regulations - Nondiscrimination, Equal Employment Opportunity, Policies and Procedures); Executive Order No. 13278 (equal protection of the laws for faith-based and community organizations); Executive Order No. 13559, which provide fundamental principles and policy-making criteria for partnerships with faith-based and neighborhood organizations;
- 28 C.F.R. pt. 38 (U.S. Department of Justice Regulations - Equal Treatment for Faith-Based Organizations); and Whistleblower protections 41 U.S.C. §4712 and The National Defense Authorization Act (NDAA) for Fiscal Year 2013 (Pub. L. 112-239, enacted January 2, 2013) the Pilot Program for Enhancement of Contract Employee Whistleblower Protections, which protects employees against reprisal for certain whistle blowing activities in connection with federal grants and contracts.

The certificate set out below is a material representation of fact upon which reliance is placed when the agency awards the grant. False certification or violation of the certification shall be grounds for suspension of payments, suspension or termination of grants, or government wide suspension or debarment.

Exhibit G

Contractor Initials

AB

Certification of Compliance with requirements pertaining to Federal Nondiscrimination, Equal Treatment of Faith-Based Organizations and Whistleblower protections

Date

10/11/18



CERTIFICATION REGARDING ENVIRONMENTAL TOBACCO SMOKE

Public Law 103-227, Part C - Environmental Tobacco Smoke, also known as the Pro-Children Act of 1994 (Act), requires that smoking not be permitted in any portion of any indoor facility owned or leased or contracted for by an entity and used routinely or regularly for the provision of health, day care, education, or library services to children under the age of 18, if the services are funded by Federal programs either directly or through State or local governments, by Federal grant, contract, loan, or loan guarantee. The law does not apply to children's services provided in private residences, facilities funded solely by Medicare or Medicaid funds, and portions of facilities used for inpatient drug or alcohol treatment. Failure to comply with the provisions of the law may result in the imposition of a civil monetary penalty of up to \$1000 per day and/or the imposition of an administrative compliance order on the responsible entity.

The Contractor identified in Section 1.3 of the General Provisions agrees, by signature of the Contractor's representative as identified in Section 1.11 and 1.12 of the General Provisions, to execute the following certification:

1. By signing and submitting this contract, the Contractor agrees to make reasonable efforts to comply with all applicable provisions of Public Law 103-227, Part C, known as the Pro-Children Act of 1994.

Contractor Name:

10/11/18

Date:

Name: April Szlaga
Title: Vice President

AS

10/11/18



Exhibit I

HEALTH INSURANCE PORTABILITY ACT
BUSINESS ASSOCIATE AGREEMENT

The Contractor identified in Section 1.3 of the General Provisions of the Agreement agrees to comply with the Health Insurance Portability and Accountability Act, Public Law 104-191 and with the Standards for Privacy and Security of Individually Identifiable Health Information, 45 CFR Parts 160 and 164 applicable to business associates. As defined herein, "Business Associate" shall mean the Contractor and subcontractors and agents of the Contractor that receive, use or have access to protected health information under this Agreement and "Covered Entity" shall mean the State of New Hampshire, Department of Health and Human Services.

(1) Definitions.

- a. "Breach" shall have the same meaning as the term "Breach" in section 164.402 of Title 45, Code of Federal Regulations.
- b. "Business Associate" has the meaning given such term in section 160.103 of Title 45, Code of Federal Regulations.
- c. "Covered Entity" has the meaning given such term in section 160.103 of Title 45, Code of Federal Regulations.
- d. "Designated Record Set" shall have the same meaning as the term "designated record set" in 45 CFR Section 164.501.
- e. "Data Aggregation" shall have the same meaning as the term "data aggregation" in 45 CFR Section 164.501.
- f. "Health Care Operations" shall have the same meaning as the term "health care operations" in 45 CFR Section 164.501.
- g. "HITECH Act" means the Health Information Technology for Economic and Clinical Health Act, Title XIII, Subtitle D, Part 1 & 2 of the American Recovery and Reinvestment Act of 2009.
- h. "HIPAA" means the Health Insurance Portability and Accountability Act of 1996, Public Law 104-191 and the Standards for Privacy and Security of Individually Identifiable Health Information, 45 CFR Parts 160, 162 and 164 and amendments thereto.
- i. "Individual" shall have the same meaning as the term "individual" in 45 CFR Section 160.103 and shall include a person who qualifies as a personal representative in accordance with 45 CFR Section 164.501(g).
- j. "Privacy Rule" shall mean the Standards for Privacy of Individually Identifiable Health Information at 45 CFR Parts 160 and 164, promulgated under HIPAA by the United States Department of Health and Human Services.
- k. "Protected Health Information" shall have the same meaning as the term "protected health information" in 45 CFR Section 160.103, limited to the information created or received by Business Associate from or on behalf of Covered Entity.

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Exhibit I

- l. "Required by Law" shall have the same meaning as the term "required by law" in 45 CFR Section 164.103.
- m. "Secretary" shall mean the Secretary of the Department of Health and Human Services or his/her designee.
- n. "Security Rule" shall mean the Security Standards for the Protection of Electronic Protected Health Information at 45 CFR Part 164, Subpart C, and amendments thereto.
- o. "Unsecured Protected Health Information" means protected health information that is not secured by a technology standard that renders protected health information unusable, unreadable, or indecipherable to unauthorized individuals and is developed or endorsed by a standards developing organization that is accredited by the American National Standards Institute.
- p. Other Definitions - All terms not otherwise defined herein shall have the meaning established under 45 C.F.R. Parts 160, 162 and 164, as amended from time to time, and the HITECH Act.

(2) Business Associate Use and Disclosure of Protected Health Information.

- a. Business Associate shall not use, disclose, maintain or transmit Protected Health Information (PHI) except as reasonably necessary to provide the services outlined under Exhibit A of the Agreement. Further, Business Associate, including but not limited to all its directors, officers, employees and agents, shall not use, disclose, maintain or transmit PHI in any manner that would constitute a violation of the Privacy and Security Rule.
- b. Business Associate may use or disclose PHI:
- I. For the proper management and administration of the Business Associate;
 - II. As required by law, pursuant to the terms set forth in paragraph d. below; or
 - III. For data aggregation purposes for the health care operations of Covered Entity.
- c. To the extent Business Associate is permitted under the Agreement to disclose PHI to a third party, Business Associate must obtain, prior to making any such disclosure, (i) reasonable assurances from the third party that such PHI will be held confidentially and used or further disclosed only as required by law or for the purpose for which it was disclosed to the third party; and (ii) an agreement from such third party to notify Business Associate, in accordance with the HIPAA Privacy, Security, and Breach Notification Rules of any breaches of the confidentiality of the PHI, to the extent it has obtained knowledge of such breach.
- d. The Business Associate shall not, unless such disclosure is reasonably necessary to provide services under Exhibit A of the Agreement, disclose any PHI in response to a request for disclosure on the basis that it is required by law, without first notifying Covered Entity so that Covered Entity has an opportunity to object to the disclosure and to seek appropriate relief. If Covered Entity objects to such disclosure, the Business



Exhibit I

Associate shall refrain from disclosing the PHI until Covered Entity has exhausted all remedies.

- e. If the Covered Entity notifies the Business Associate that Covered Entity has agreed to be bound by additional restrictions over and above those uses or disclosures or security safeguards of PHI pursuant to the Privacy and Security Rule, the Business Associate shall be bound by such additional restrictions and shall not disclose PHI in violation of such additional restrictions and shall abide by any additional security safeguards.

(3) Obligations and Activities of Business Associate.

- a. The Business Associate shall notify the Covered Entity's Privacy Officer immediately after the Business Associate becomes aware of any use or disclosure of protected health information not provided for by the Agreement including breaches of unsecured protected health information and/or any security incident that may have an impact on the protected health information of the Covered Entity.

- b. The Business Associate shall immediately perform a risk assessment when it becomes aware of any of the above situations. The risk assessment shall include, but not be limited to:

- o The nature and extent of the protected health information involved, including the types of identifiers and the likelihood of re-identification;
- o The unauthorized person used the protected health information or to whom the disclosure was made;
- o Whether the protected health information was actually acquired or viewed
- o The extent to which the risk to the protected health information has been mitigated.

The Business Associate shall complete the risk assessment within 48 hours of the breach and immediately report the findings of the risk assessment in writing to the Covered Entity.

- c. The Business Associate shall comply with all sections of the Privacy, Security, and Breach Notification Rule.
- d. Business Associate shall make available all of its internal policies and procedures, books and records relating to the use and disclosure of PHI received from, or created or received by the Business Associate on behalf of Covered Entity to the Secretary for purposes of determining Covered Entity's compliance with HIPAA and the Privacy and Security Rule.
- e. Business Associate shall require all of its business associates that receive, use or have access to PHI under the Agreement, to agree in writing to adhere to the same restrictions and conditions on the use and disclosure of PHI contained herein, including the duty to return or destroy the PHI as provided under Section 3 (f). The Covered Entity shall be considered a direct third party beneficiary of the Contractor's business associate agreements with Contractor's Intended business associates, who will be receiving PHI.

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Exhibit I

pursuant to this Agreement, with rights of enforcement and indemnification from such business associates who shall be governed by standard Paragraph #13 of the standard contract provisions (P-37) of this Agreement for the purpose of use and disclosure of protected health information.

- f. Within five (5) business days of receipt of a written request from Covered Entity, Business Associate shall make available during normal business hours at its offices all records, books, agreements, policies and procedures relating to the use and disclosure of PHI to the Covered Entity, for purposes of enabling Covered Entity to determine Business Associate's compliance with the terms of the Agreement.
- g. Within ten (10) business days of receiving a written request from Covered Entity, Business Associate shall provide access to PHI in a Designated Record Set to the Covered Entity, or as directed by Covered Entity, to an individual in order to meet the requirements under 45 CFR Section 164.524.
- h. Within ten (10) business days of receiving a written request from Covered Entity for an amendment of PHI or a record about an individual contained in a Designated Record Set, the Business Associate shall make such PHI available to Covered Entity for amendment and incorporate any such amendment to enable Covered Entity to fulfill its obligations under 45 CFR Section 164.526.
- i. Business Associate shall document such disclosures of PHI and information related to such disclosures as would be required for Covered Entity to respond to a request by an individual for an accounting of disclosures of PHI in accordance with 45 CFR Section 164.528.
- j. Within ten (10) business days of receiving a written request from Covered Entity for a request for an accounting of disclosures of PHI, Business Associate shall make available to Covered Entity such information as Covered Entity may require to fulfill its obligations to provide an accounting of disclosures with respect to PHI in accordance with 45 CFR Section 164.528.
- k. In the event any individual requests access to, amendment of, or accounting of PHI directly from the Business Associate, the Business Associate shall within two (2) business days forward such request to Covered Entity. Covered Entity shall have the responsibility of responding to forwarded requests. However, if forwarding the individual's request to Covered Entity would cause Covered Entity or the Business Associate to violate HIPAA and the Privacy and Security Rule, the Business Associate shall instead respond to the individual's request as required by such law and notify Covered Entity of such response as soon as practicable.
- l. Within ten (10) business days of termination of the Agreement, for any reason, the Business Associate shall return or destroy, as specified by Covered Entity, all PHI received from, or created or received by the Business Associate in connection with the Agreement, and shall not retain any copies or back-up tapes of such PHI. If return or destruction is not feasible, or the disposition of the PHI has been otherwise agreed to in the Agreement, Business Associate shall continue to extend the protections of the Agreement, to such PHI and limit further uses and disclosures of such PHI to those purposes that make the return or destruction infeasible, for so long as Business



Exhibit I

Associate maintains such PHI. If Covered Entity, in its sole discretion, requires that the Business Associate destroy any or all PHI, the Business Associate shall certify to Covered Entity that the PHI has been destroyed.

(4) Obligations of Covered Entity

- a. Covered Entity shall notify Business Associate of any changes or limitation(s) in its Notice of Privacy Practices provided to individuals in accordance with 45 CFR Section 164.520, to the extent that such change or limitation may affect Business Associate's use or disclosure of PHI.
- b. Covered Entity shall promptly notify Business Associate of any changes in, or revocation of permission provided to Covered Entity by individuals whose PHI may be used or disclosed by Business Associate under this Agreement, pursuant to 45 CFR Section 164.506 or 45 CFR Section 164.508.
- c. Covered entity shall promptly notify Business Associate of any restrictions on the use or disclosure of PHI that Covered Entity has agreed to in accordance with 45 CFR 164.522, to the extent that such restriction may affect Business Associate's use or disclosure of PHI.

(6) Termination for Cause

In addition to Paragraph 10 of the standard terms and conditions (P-37) of this Agreement the Covered Entity may immediately terminate the Agreement upon Covered Entity's knowledge of a breach by Business Associate of the Business Associate Agreement set forth herein as Exhibit I. The Covered Entity may either immediately terminate the Agreement or provide an opportunity for Business Associate to cure the alleged breach within a timeframe specified by Covered Entity. If Covered Entity determines that neither termination nor cure is feasible, Covered Entity shall report the violation to the Secretary.

(6) Miscellaneous

- a. Definitions and Regulatory References. All terms used, but not otherwise defined herein, shall have the same meaning as those terms in the Privacy and Security Rule, amended from time to time. A reference in the Agreement, as amended to include this Exhibit I, to a Section in the Privacy and Security Rule means the Section as in effect or as amended.
- b. Amendment. Covered Entity and Business Associate agree to take such action as is necessary to amend the Agreement, from time to time as is necessary for Covered Entity to comply with the changes in the requirements of HIPAA, the Privacy and Security Rule, and applicable federal and state law.
- c. Data Ownership. The Business Associate acknowledges that it has no ownership rights with respect to the PHI provided by or created on behalf of Covered Entity.
- d. Interpretation. The parties agree that any ambiguity in the Agreement shall be resolved to permit Covered Entity to comply with HIPAA, the Privacy and Security Rule.

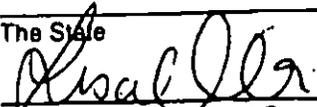
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Exhibit I

- e. Segregation. If any term or condition of this Exhibit I or the application thereof to any person(s) or circumstance is held invalid, such invalidity shall not affect other terms or conditions which can be given effect without the invalid term or condition; to this end the terms and conditions of this Exhibit I are declared severable.
- f. Survival. Provisions in this Exhibit I regarding the use and disclosure of PHI, return or destruction of PHI, extensions of the protections of the Agreement in section (3) I, the defense and Indemnification provisions of section (3) e and Paragraph 13 of the standard terms and conditions (P-37), shall survive the termination of the Agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Exhibit I.

 The State

 Signature of Authorized Representative
LISA MORRIS
 Name of Authorized Representative
DIRECTOR, DPHS
 Title of Authorized Representative
10/31/18
 Date

Abacus Service Corporation
 Name of the Contractor

 Signature of Authorized Representative
April Szlaga
 Name of Authorized Representative
Vice President
 Title of Authorized Representative
10/11/18
 Date



CERTIFICATION REGARDING THE FEDERAL FUNDING ACCOUNTABILITY AND TRANSPARENCY ACT (FFATA) COMPLIANCE

The Federal Funding Accountability and Transparency Act (FFATA) requires prime awardees of individual Federal grants equal to or greater than \$25,000 and awarded on or after October 1, 2010, to report on data related to executive compensation and associated first-tier sub-grants of \$25,000 or more. If the initial award is below \$25,000 but subsequent grant modifications result in a total award equal to or over \$25,000, the award is subject to the FFATA reporting requirements, as of the date of the award.

In accordance with 2 CFR Part 170 (Reporting Subaward and Executive Compensation Information), the Department of Health and Human Services (DHHS) must report the following information for any subaward or contract award subject to the FFATA reporting requirements:

1. Name of entity
2. Amount of award
3. Funding agency
4. NAICS code for contracts / CFDA program number for grants
5. Program source
6. Award title descriptive of the purpose of the funding action
7. Location of the entity
8. Principle place of performance
9. Unique identifier of the entity (DUNS #)
10. Total compensation and names of the top five executives if:
 - 10.1. More than 80% of annual gross revenues are from the Federal government, and those revenues are greater than \$25M annually and
 - 10.2. Compensation information is not already available through reporting to the SEC.

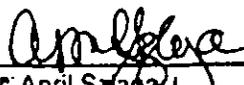
Prime grant recipients must submit FFATA required data by the end of the month, plus 30 days, in which the award or award amendment is made.

The Contractor identified in Section 1.3 of the General Provisions agrees to comply with the provisions of The Federal Funding Accountability and Transparency Act, Public Law 109-282 and Public Law 110-252, and 2 CFR Part 170 (Reporting Subaward and Executive Compensation Information), and further agrees to have the Contractor's representative, as identified in Sections 1.11 and 1.12 of the General Provisions execute the following Certification:

The below named Contractor agrees to provide needed information as outlined above to the NH Department of Health and Human Services and to comply with all applicable provisions of the Federal Financial Accountability and Transparency Act.

Contractor Name:

10/11/18
Date


Name: April Szaga
Title: Vice President



FORM A

As the Contractor identified in Section 1.3 of the General Provisions, I certify that the responses to the below listed questions are true and accurate.

1. The DUNS number for your entity is: 179270991

2. In your business or organization's preceding completed fiscal year, did your business or organization receive (1) 80 percent or more of your annual gross revenue in U.S. federal contracts, subcontracts, loans, grants, sub-grants, and/or cooperative agreements; and (2) \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements?

X NO _____ YES

If the answer to #2 above is NO, stop here

If the answer to #2 above is YES, please answer the following:

3. Does the public have access to information about the compensation of the executives in your business or organization through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986?

_____ NO _____ YES

If the answer to #3 above is YES, stop here

If the answer to #3 above is NO, please answer the following:

4. The names and compensation of the five most highly compensated officers in your business or organization are as follows:

Name: _____	Amount: _____

Contractor Initials AC
Date 10/11/18

New Hampshire Department of Health and Human Services

Exhibit K



A. Definitions

The following terms may be reflected and have the described meaning in this document:

1. "Breach" means the loss of control, compromise, unauthorized disclosure, unauthorized acquisition, unauthorized access, or any similar term referring to situations where persons other than authorized users and for an other than authorized purpose have access or potential access to personally identifiable information, whether physical or electronic. With regard to Protected Health Information, "Breach" shall have the same meaning as the term "Breach" in section 164.402 of Title 45, Code of Federal Regulations.
2. "Computer Security Incident" shall have the same meaning "Computer Security Incident" in section two (2) of NIST Publication 800-61, Computer Security Incident Handling Guide, National Institute of Standards and Technology, U.S. Department of Commerce.
3. "Confidential Information" or "Confidential Data" means all confidential information disclosed by one party to the other such as all medical, health, financial, public assistance benefits and personal information including without limitation, Substance Abuse Treatment Records, Case Records, Protected Health Information and Personally Identifiable Information.

Confidential Information also includes any and all information owned or managed by the State of NH - created, received from or on behalf of the Department of Health and Human Services (DHHS) or accessed in the course of performing contracted services - of which collection, disclosure, protection, and disposition is governed by state or federal law or regulation. This information includes, but is not limited to Protected Health Information (PHI), Personal Information (PI), Personal Financial Information (PFI), Federal Tax Information (FTI), Social Security Numbers (SSN), Payment Card Industry (PCI), and or other sensitive and confidential information.

4. "End User" means any person or entity (e.g., contractor, contractor's employee, business associate, subcontractor, other downstream user, etc.) that receives DHHS data or derivative data in accordance with the terms of this Contract.
5. "HIPAA" means the Health Insurance Portability and Accountability Act of 1996 and the regulations promulgated thereunder.
6. "Incident" means an act that potentially violates an explicit or implied security policy, which includes attempts (either failed or successful) to gain unauthorized access to a system or its data, unwanted disruption or denial of service, the unauthorized use of a system for the processing or storage of data; and changes to system hardware, firmware, or software characteristics without the owner's knowledge, instruction, or

New Hampshire Department of Health and Human Services

Exhibit K



consent. Incidents include the loss of data through theft or device misplacement, loss or misplacement of hardcopy documents, and misrouting of physical or electronic mail, all of which may have the potential to put the data at risk of unauthorized access, use, disclosure, modification or destruction.

7. "Open Wireless Network" means any network or segment of a network that is not designated by the State of New Hampshire's Department of Information Technology or delegate as a protected network (designed, tested, and approved, by means of the State, to transmit) will be considered an open network and not adequately secure for the transmission of unencrypted PI, PFI, PHI or confidential DHHS data.
8. "Personal Information" (or "PI") means information which can be used to distinguish or trace an individual's identity, such as their name, social security number, personal information as defined in New Hampshire RSA 359-C:19, biometric records, etc., alone, or when combined with other personal or identifying information which is linked or linkable to a specific individual, such as date and place of birth, mother's maiden name, etc.
9. "Privacy Rule" shall mean the Standards for Privacy of Individually Identifiable Health Information at 45 C.F.R. Parts 160 and 164, promulgated under HIPAA by the United States Department of Health and Human Services.
10. "Protected Health Information" (or "PHI") has the same meaning as provided in the definition of "Protected Health Information" in the HIPAA Privacy Rule at 45 C.F.R. § 160.103.
11. "Security Rule" shall mean the Security Standards for the Protection of Electronic Protected Health Information at 45 C.F.R. Part 164, Subpart C, and amendments thereto.
12. "Unsecured Protected Health Information" means Protected Health Information that is not secured by a technology standard that renders Protected Health Information unusable, unreadable, or indecipherable to unauthorized individuals and is developed or endorsed by a standards developing organization that is accredited by the American National Standards Institute.

I. RESPONSIBILITIES OF DHHS AND THE CONTRACTOR

A. Business Use and Disclosure of Confidential Information.

1. The Contractor must not use, disclose, maintain or transmit Confidential Information except as reasonably necessary as outlined under this Contract. Further, Contractor, including but not limited to all its directors, officers, employees and agents, must not



use, disclose, maintain or transmit PHI in any manner that would constitute a violation of the Privacy and Security Rule.

2. The Contractor must not disclose any Confidential Information in response to a request for disclosure on the basis that it is required by law, in response to a subpoena, etc., without first notifying DHHS so that DHHS has an opportunity to consent or object to the disclosure.
3. If DHHS notifies the Contractor that DHHS has agreed to be bound by additional restrictions over and above those uses or disclosures or security safeguards of PHI pursuant to the Privacy and Security Rule, the Contractor must be bound by such additional restrictions and must not disclose PHI in violation of such additional restrictions and must abide by any additional security safeguards.
4. The Contractor agrees that DHHS Data or derivative there from disclosed to an End User must only be used pursuant to the terms of this Contract.
5. The Contractor agrees DHHS Data obtained under this Contract may not be used for any other purposes that are not indicated in this Contract.
6. The Contractor agrees to grant access to the data to the authorized representatives of DHHS for the purpose of inspecting to confirm compliance with the terms of this Contract.

II. METHODS OF SECURE TRANSMISSION OF DATA

1. Application Encryption. If End User is transmitting DHHS data containing Confidential Data between applications, the Contractor attests the applications have been evaluated by an expert knowledgeable in cyber security and that said application's encryption capabilities ensure secure transmission via the internet.
2. Computer Disks and Portable Storage Devices. End User may not use computer disks or portable storage devices, such as a thumb drive, as a method of transmitting DHHS data.
3. Encrypted Email. End User may only employ email to transmit Confidential Data if email is encrypted and being sent to and being received by email addresses of persons authorized to receive such information.
4. Encrypted Web Site. If End User is employing the Web to transmit Confidential Data, the secure socket layers (SSL) must be used and the web site must be secure. SSL encrypts data transmitted via a Web site.
5. File Hosting Services, also known as File Sharing Sites. End User may not use file hosting services, such as Dropbox or Google Cloud Storage, to transmit Confidential Data.
6. Ground Mail Service. End User may only transmit Confidential Data via *certified* ground mail within the continental U.S. and when sent to a named individual.



7. Laptops and PDA. If End User is employing portable devices to transmit Confidential Data said devices must be encrypted and password-protected.
8. Open Wireless Networks. End User may not transmit Confidential Data via an open wireless network. End User must employ a virtual private network (VPN) when remotely transmitting via an open wireless network.
9. Remote User Communication. If End User is employing remote communication to access or transmit Confidential Data, a virtual private network (VPN) must be installed on the End User's mobile device(s) or laptop from which information will be transmitted or accessed.
10. SSH File Transfer Protocol (SFTP), also known as Secure File Transfer Protocol. If End User is employing an SFTP to transmit Confidential Data, End User will structure the Folder and access privileges to prevent inappropriate disclosure of information. SFTP folders and sub-folders used for transmitting Confidential Data will be coded for 24-hour auto-deletion cycle (i.e. Confidential Data will be deleted every 24 hours).
11. Wireless Devices. If End User is transmitting Confidential Data via wireless devices, all data must be encrypted to prevent inappropriate disclosure of information.

III. RETENTION AND DISPOSITION OF IDENTIFIABLE RECORDS

The Contractor will only retain the data and any derivative of the data for the duration of this Contract. After such time, the Contractor will have 30 days to destroy the data and any derivative in whatever form it may exist, unless, otherwise required by law or permitted under this Contract. To this end, the parties must:

A. Retention

1. The Contractor agrees it will not store, transfer or process data collected in connection with the services rendered under this Contract outside of the United States. This physical location requirement shall also apply in the implementation of cloud computing, cloud service or cloud storage capabilities, and includes backup data and Disaster Recovery locations.
2. The Contractor agrees to ensure proper security monitoring capabilities are in place to detect potential security events that can impact State of NH systems and/or Department confidential information for contractor provided systems.
3. The Contractor agrees to provide security awareness and education for its End Users in support of protecting Department confidential information.
4. The Contractor agrees to retain all electronic and hard copies of Confidential Data in a secure location and identified in section IV. A.2

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5. The Contractor agrees Confidential Data stored in a Cloud must be in a FedRAMP/HITECH compliant solution and comply with all applicable statutes and regulations regarding the privacy and security. All servers and devices must have currently-supported and hardened operating systems, the latest anti-viral, anti-hacker, anti-spam, anti-spyware, and anti-malware utilities. The environment, as a whole, must have aggressive intrusion-detection and firewall protection.
6. The Contractor agrees to and ensures its complete cooperation with the State's Chief Information Officer in the detection of any security vulnerability of the hosting infrastructure.

B. Disposition

1. If the Contractor will maintain any Confidential Information on its systems (or its sub-contractor systems), the Contractor will maintain a documented process for securely disposing of such data upon request or contract termination; and will obtain written certification for any State of New Hampshire data destroyed by the Contractor or any subcontractors as a part of ongoing, emergency, and or disaster recovery operations. When no longer in use, electronic media containing State of New Hampshire data shall be rendered unrecoverable via a secure wipe program in accordance with industry-accepted standards for secure deletion and media sanitization, or otherwise physically destroying the media (for example, degaussing) as described in NIST Special Publication 800-88, Rev 1, Guidelines for Media Sanitization, National Institute of Standards and Technology, U. S. Department of Commerce. The Contractor will document and certify in writing at time of the data destruction, and will provide written certification to the Department upon request. The written certification will include all details necessary to demonstrate data has been properly destroyed and validated. Where applicable, regulatory and professional standards for retention requirements will be jointly evaluated by the State and Contractor prior to destruction.
2. Unless otherwise specified, within thirty (30) days of the termination of this Contract, Contractor agrees to destroy all hard copies of Confidential Data using a secure method such as shredding.
3. Unless otherwise specified, within thirty (30) days of the termination of this Contract, Contractor agrees to completely destroy all electronic Confidential Data by means of data erasure, also known as secure data wiping.

IV. PROCEDURES FOR SECURITY

- A. Contractor agrees to safeguard the DHHS Data received under this Contract, and any derivative data or files, as follows:

1. The Contractor will maintain proper security controls to protect Department

New Hampshire Department of Health and Human Services

Exhibit K



confidential information collected, processed, managed, and/or stored in the delivery of contracted services.

2. The Contractor will maintain policies and procedures to protect Department confidential information throughout the information lifecycle, where applicable, (from creation, transformation, use, storage and secure destruction) regardless of the media used to store the data (i.e., tape, disk, paper, etc.).
3. The Contractor will maintain appropriate authentication and access controls to contractor systems that collect, transmit, or store Department confidential information where applicable.
4. The Contractor will ensure proper security monitoring capabilities are in place to detect potential security events that can impact State of NH systems and/or Department confidential information for contractor provided systems.
5. The Contractor will provide regular security awareness and education for its End Users in support of protecting Department confidential information.
6. If the Contractor will be sub-contracting any core functions of the engagement supporting the services for State of New Hampshire, the Contractor will maintain a program of an internal process or processes that defines specific security expectations, and monitoring compliance to security requirements that at a minimum match those for the Contractor, including breach notification requirements.
7. The Contractor will work with the Department to sign and comply with all applicable State of New Hampshire and Department system access and authorization policies and procedures, systems access forms, and computer use agreements as part of obtaining and maintaining access to any Department system(s). Agreements will be completed and signed by the Contractor and any applicable sub-contractors prior to system access being authorized.
8. If the Department determines the Contractor is a Business Associate pursuant to 45 CFR 160.103, the Contractor will execute a HIPAA Business Associate Agreement (BAA) with the Department and is responsible for maintaining compliance with the agreement.
9. The Contractor will work with the Department at its request to complete a System Management Survey. The purpose of the survey is to enable the Department and Contractor to monitor for any changes in risks, threats, and vulnerabilities that may occur over the life of the Contractor engagement. The survey will be completed annually, or an alternate time frame at the Departments discretion with agreement by the Contractor, or the Department may request the survey be completed when the scope of the engagement between the Department and the Contractor changes.

New Hampshire Department of Health and Human Services

Exhibit K



10. The Contractor will not store, knowingly or unknowingly, any State of New Hampshire or Department data offshore or outside the boundaries of the United States unless prior express written consent is obtained from the Information Security Office leadership member within the Department.
11. Data Security Breach Liability. In the event of any security breach Contractor shall make efforts to investigate the causes of the breach, promptly take measures to prevent future breach and minimize any damage or loss resulting from the breach. The State shall recover from the Contractor all costs of response and recovery from the breach, including but not limited to: credit monitoring services, mailing costs and costs associated with website and telephone call center services necessary due to the breach.
12. Contractor must, comply with all applicable statutes and regulations regarding the privacy and security of Confidential Information, and must in all other respects maintain the privacy and security of PI and PHI at a level and scope that is not less than the level and scope of requirements applicable to federal agencies, including, but not limited to, provisions of the Privacy Act of 1974 (5 U.S.C. § 552a), DHHS Privacy Act Regulations (45 C.F.R. §5b), HIPAA Privacy and Security Rules (45 C.F.R. Parts 160 and 164) that govern protections for individually identifiable health information and as applicable under State law.
13. Contractor agrees to establish and maintain appropriate administrative, technical, and physical safeguards to protect the confidentiality of the Confidential Data and to prevent unauthorized use or access to it. The safeguards must provide a level and scope of security that is not less than the level and scope of security requirements established by the State of New Hampshire, Department of Information Technology. Refer to Vendor Resources/Procurement at <https://www.nh.gov/doit/vendor/index.htm> for the Department of Information Technology policies, guidelines, standards, and procurement information relating to vendors.
14. Contractor agrees to maintain a documented breach notification and incident response process. The Contractor will notify the State's Privacy Officer, and additional email addresses provided in this section, of any security breach within two (2) hours of the time that the Contractor learns of its occurrence. This includes a confidential information breach, computer security incident, or suspected breach which affects or includes any State of New Hampshire systems that connect to the State of New Hampshire network.
15. Contractor must restrict access to the Confidential Data obtained under this Contract to only those authorized End Users who need such DHHS Data to perform their official duties in connection with purposes identified in this Contract.
16. The Contractor must ensure that all End Users:
 - a. comply with such safeguards as referenced in Section IV A. above,

New Hampshire Department of Health and Human Services

Exhibit K



implemented to protect Confidential Information that is furnished by DHHS under this Contract from loss, theft or inadvertent disclosure.

- b. safeguard this information at all times.
- c. ensure that laptops and other electronic devices/media containing PHI, PI, or PFI are encrypted and password-protected.
- d. send emails containing Confidential Information only if encrypted and being sent to and being received by email addresses of persons authorized to receive such information.
- e. limit disclosure of the Confidential Information to the extent permitted by law.
- f. Confidential Information received under this Contract and individually identifiable data derived from DHHS Data, must be stored in an area that is physically and technologically secure from access by unauthorized persons during duty hours as well as non-duty hours (e.g., door locks, card keys, biometric identifiers, etc.):
- g. only authorized End Users may transmit the Confidential Data, including any derivative files containing personally identifiable information, and in all cases, such data must be encrypted at all times when in transit, at rest, or when stored on portable media as required in section IV above.
- h. in all other instances Confidential Data must be maintained, used and disclosed using appropriate safeguards, as determined by a risk-based assessment of the circumstances involved.
- i. understand that their user credentials (user name and password) must not be shared with anyone. End Users will keep their credential information secure. This applies to credentials used to access the site directly or indirectly through a third party application.

Contractor is responsible for oversight and compliance of their End Users. DHHS reserves the right to conduct onsite inspections to monitor compliance with this Contract, including the privacy and security requirements provided in herein, HIPAA, and other applicable laws and Federal regulations until such time the Confidential Data is disposed of in accordance with this Contract.

V. LOSS REPORTING

The Contractor must notify the State's Privacy Officer, Information Security Office and Program Manager of any Security Incidents and Breaches within two (2) hours of the time that the Contractor learns of their occurrence.

The Contractor must further handle and report Incidents and Breaches involving PHI in

New Hampshire Department of Health and Human Services

Exhibit K



accordance with the agency's documented Incident Handling and Breach Notification procedures and in accordance with 42 C.F.R. §§ 431.300 - 306. In addition to, and notwithstanding, Contractor's compliance with all applicable obligations and procedures, Contractor's procedures must also address how the Contractor will:

1. Identify Incidents;
2. Determine if personally identifiable information is involved in Incidents;
3. Report suspected or confirmed Incidents as required in this Exhibit or P-37;
4. Identify and convene a core response group to determine the risk level of Incidents and determine risk-based responses to Incidents; and
5. Determine whether Breach notification is required, and, if so, identify appropriate Breach notification methods, timing, source, and contents from among different options, and bear costs associated with the Breach notice as well as any mitigation measures:

Incidents and/or Breaches that implicate PI must be addressed and reported, as applicable, in accordance with NH RSA 359-C:20.

VI. PERSONS TO CONTACT

- A. DHHS contact program and policy:
(Insert Office or Program Name)
(Insert Title)
DHHS-Contracts@dhhs.nh.gov
- B. DHHS contact for Data Management or Data Exchange issues:
DHHSInformationSecurityOffice@dhhs.nh.gov
- C. DHHS contacts for Privacy issues:
DHHSPrivacyOfficer@dhhs.nh.gov
- D. DHHS contact for Information Security issues:
DHHSInformationSecurityOffice@dhhs.nh.gov
- E. DHHS contact for Breach notifications:
DHHSInformationSecurityOffice@dhhs.nh.gov
DHHSPrivacyOfficer@dhhs.nh.gov