STATE OF MAINE
DEPARTMENT OF EDUCATION
in coordination with the
NATIONAL ASSOCIATION OF STATE PROCUREMENT OFFICIALS
hereby releases

RFP # 201210412

MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

RFP Coordinator:
Jeff Mao
Learning Technology Policy Director
State of Maine Department of Education
23 State House Station
Augusta, ME 04333

e-mail: jeff.mao@maine.gov

From the time this RFP is issued until award notification is made, all contact with the Sourcing Team or any State Government Officials regarding this RFP must be made through the aforementioned RFP Coordinator. Only those answers issued in writing by the RFP Coordinator will be considered binding.

Bidders' Conference: November 29, 2012 at 10:00 am local time
Held in Daggett Lounge of Thorne Hall, on the campus of Bowdoin College, Brunswick, Maine

Deadline for Submitted Questions: December 12, 2012, not later than 5:00 pm local time

Proposals Due: January 11, 2013, not later than 2:00 pm local time

Proposals are due to:

State of Maine
Division of Purchases
Burton M. Cross Building, 111 Sewall Street, 4th Floor
9 State House Station, Augusta ME 04333-0009

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Public Notice

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State of Maine
Department of Education
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Public Notice for RFP # 201210412

MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

The State of Maine Department of Education's Maine Learning Technology Initiative (MLTI) is leading a multi-state effort to undertake the procurement process described below. The multi-state effort is being carried out in coordination with all the participating National Association of State Procurement Officials (NASPO) members, on an as-requested basis, at various locations throughout the geographic regions of all participating NASPO members. This multi-state group, led by the State of Maine, has a requirement for equipment and services to empower a wireless student-centered, digital learning environment. In accordance with State procurement practices, the State of Maine Department of Education is hereby announcing the publication of a Request for Proposals (RFP) #201210412 for the purchase of the aforementioned goods and services.

A copy of the RFP can be obtained by download at http://www.maine.gov/mlti/rfp/ or by contacting the State of Maine Department of Education's RFP Coordinator for this project: Jeff Mao, Learning Technology Policy Director. The RFP Coordinator can be reached at the following email address: jeff.mao@maine.gov or mailing address: State of Maine Department of Education, 23 State House Station, Augusta, ME 04333. The Department encourages all interested vendors to obtain a copy of the RFP and submit a competitive proposal.

A Bidders' Conference is anticipated for this procurement process. The Bidders' Conference is scheduled for November 29, 2012 at 10:00 am, and to be held in Daggett Lounge of Thorne Hall, on the campus of Bowdoin College in Brunswick, Maine. Interested Bidders are strongly encouraged to attend.

Proposals must be submitted to the State of Maine Division of Purchases, located at the Burton M. Cross Office Building, 111 Sewall Street, 4th Floor, 9 State House Station, Augusta, Maine, 04333-0009. Proposals must be submitted by 2:00 pm, local time, on January 11, 2013, when they will be opened at the Division of Purchases' aforementioned address. Proposals not received at the Division of Purchases' aforementioned address by the aforementioned deadline will not be considered for contract award.

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State of Maine Department of Education

in coordination with the

National Association of State Procurement Officials

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RFP # 201210412
MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

PART I INTRODUCTION

A. Purpose and Background

The State of Maine Department of Education ("Department") Maine Learning Technology Initiative (MLTI) and the State of Maine Division of Purchases are collaborating to lead a multi-state effort to undertake the procurement process described in this Request for Proposals (RFP) document. This multi-state effort is being undertaken in coordination with all participating National Association of State Procurement Officials (NASPO) members, on an as-requested basis, at various locations throughout the geographic regions of all participating NASPO members. This document provides a description of the program and services sought, instructions for submitting proposals, the procedure and criteria by which the Bidder(s) will be selected, and the contractual terms which will govern the relationship between the participating states and the awarded Bidder(s).

As noted above, the State of Maine is leading a multi-state Sourcing Team in this procurement process. As noted above, the multi-state procurement process is facilitated in concert with the members of the National Association of State Procurement Officials (NASPO). More information about NASPO and its members can be found at the following web address: www.naspo.org. This multi-state Sourcing Team has a requirement for equipment and services to empower a wireless student-centered, digital learning environment that provides students with learning technology on a 1:1 (one machine per student/teacher) basis.

Given that the State of Maine is the lead state, the procurement process will follow Maine's procurement-related statutes and rules. Other states or entities that participate under this Multi-State Learning Technology Initiative RFP do so at their own discretion, and are not subject to Maine's statutes or rules. Other states participating on the Sourcing Team for this procurement process are the States of Hawaii and Vermont. Other states, although not members of the Sourcing Team, are not precluded from participating in the anticipated program that results from this RFP. Additionally, even if a state does not participate on a state-wide basis, then individual school districts may choose to participate, at the school district's discretion and in accordance with its procurement policies.

The following is a list of states that currently intend to participate under the program resulting from this RFP:

Hawaii
Maine
Montana
Vermont

Please note, the aforementioned intention to participate is non-binding, and future participation is not limited to the states listed above.

The following is provided only as background information on the history of this program in the State of Maine. The State of Maine is acting as the lead state in this multi-state process due to the fact that Maine has had a long-running 1:1 learning technology program, known as the Maine Learning Technology Initiative (MLTI). MLTI was first launched in the spring of 2002, and it has established itself as a leader in 1:1 learning. MLTI was established in Maine law (http://www.mainelegislature.org/legis/statutes/20-A/title20-Ach801sec0.html) in 2001 during the 120th Legislature, First Regular Session. Documents and information related to the inception and on-going efforts of the MLTI including research, previous RFPs, and information about the existing solution, can be found at its websites: http://maine.gov/mlti, http://www.mlti.org, http://www.maine121.org, and on iTunesU at: http://www.mlti.org/itunesu.

B. General Provisions

1. Issuance of this RFP does not commit the Sourcing Team to issue an award. Bidders are responsible for all expenses incurred by a Bidder in the preparation of a response to this RFP. This includes attendance at personal interviews/presentations, or other meetings and software or system demonstrations, where applicable.
2. All proposals should adhere to the instructions and format requirements outlined in this RFP and all written supplements and amendments (such as the Summary of Questions and Answers), issued by the Sourcing Team. Proposals are to follow the format and respond to all questions and instructions specified below in the "Proposal Submission Requirements and Evaluation" section of this RFP.
3. Bidders shall take careful note that in evaluating a proposal submitted in response to this RFP, the Sourcing Team will consider materials provided in the proposal, information obtained through interviews/presentations (if any), and internal Departmental information of previous contract history with the Bidder (if any). The Sourcing Team also reserves the right to consider other reliable references and publicly available information available in evaluating a Bidder's experience and capabilities. The proposal shall be signed by a person authorized to legally bind the Bidder and shall contain a statement that the proposal and the pricing contained therein will remain valid and binding for a period of 180 days from the date and time of the bid opening.
4. The RFP and the selected Bidder's proposal, including all appendices or attachments, may be incorporated in the final contract.
5. Following announcement of an award decision, all submissions in response to this RFP will be considered public records available for public inspection pursuant to the State of Maine Freedom of Access Act (FOAA) (1 M.R.S. §§ 401 *et seq.*). In the event a request is made to produce any proposal, the Department will notify the Bidder whose proposal has been requested that the Department will produce the proposal unless the Bidder takes steps it deems necessary to prohibit production. The Department will not undertake to determine where any proposal or part of any proposal is confidential or otherwise protected from disclosure.
6. The Sourcing Team, at its sole discretion, reserves the right to recognize and waive minor informalities and irregularities found in proposals received in response to this RFP.
7. **Each participating state's procurement authority** reserves the right to authorize other Departments or public entities within that state to use the contract(s) resulting from this RFP, if it is deemed to be beneficial for the state to do so.
8. Although the overall 1:1 learning technology program will be similar from state to state, Bidders must recognize that each state will ultimately have differences in the implementation and requirements of its specific program, and such differences shall not necessitate cost variations from that which is proposed by the Bidder through this RFP process.

9. If a Bidder cannot provide something as described in the Scope of Services section of this RFP, then that Bidder may propose something that is functionally equivalent, and provide an explanation of that equivalency. Functional equivalency will ultimately be determined by the Sourcing Team.
10. All applicable laws, whether or not herein contained, shall be included by this reference. It shall be the Bidder's responsibility to determine the applicability and requirements of any such laws and to abide by them. Such laws include, but are not limited to, prevailing wage rate requirements for any aspect of the services provided within each Bidder's proposal.

C. Eligibility to Submit Proposals and Alternate Proposals

Public agencies, private for-profit companies, and non-profit companies and institutions are invited to submit proposals in response to this Request for Proposals. The Sourcing Team recognizes that no single entity is likely capable of fulfilling the entirety of the needs as described in this RFP, and encourages partnerships and consortia of entities to work together to respond to this RFP. Each proposal, however, must clearly identify a prime Bidder. The prime Bidder will be responsible for providing all deliverables as defined by the resulting contract according to the terms and conditions as set forth in the resulting contract.

Bidders may submit one (1) alternate proposal. The alternate should be submitted separately, and it should follow all requirements as set forth in this RFP. Alternate proposals will be reviewed and scored according to the same requirements and guidelines as all other proposals. The Sourcing Team is only interested in alternate proposals if the alternate is *materially different* (such as the use of a completely different personal computing device) than the main proposal. Alternate proposals should be labeled clearly on the cover page "ALTERNATE PROPOSAL".

D. Number of Awards and Contract Structure

The Sourcing Team anticipates making multiple awards as a result of this RFP process. These multiple awards will make up a pre-qualified list of vendors, and will take the form of a Master Price Agreement between each pre-qualified vendor and the National Association of State Procurement Officials. Details on the Master Price Agreements are provided in Part VI.A. ("Contract Document") of this RFP.

After the pre-qualified list has been established, each individual state that chooses to participate in this program will be able to select the vendor (or vendors) whose proposed solution would be in the best interests of that participating state, at the participating state's sole discretion. This selection will take the form of a Participating Addendum between the pre-qualified vendor(s) and the participating state. Details on the Participating Addendum are provided in Part VI.A. ("Contract Document") of this RFP.

E. Participating Entities

Potential Participating Entities include members of the National Association of State Procurement Officials (NASPO). The National Association of State Procurement Officials is a national association of Chief Procurement Officers that has established a procurement cooperative for state government departments, institutions and political subdivisions (i.e., colleges, school districts, counties, cities, etc.) for the NASPO Member States and territories of the United States.

Obligations under contracts that result from this cooperative procurement are limited to those states and other eligible purchasing entities that execute a Participating Addendum to the Master Price Agreement.

Financial obligations of Participating States are limited to the orders placed by the Department of Education having available funds, and must be in accordance with that Participating State's procurement rules and procedures.

Participating States incur no financial obligations on behalf of political subdivisions.

Unless otherwise specified in the solicitation, the resulting Master Price Agreement(s) will be permissive and allow for flexibility at the discretion of the Participating States, in order to accommodate future usage. The Master Price Agreements are non-binding on the Participating States, and the usage of the Master Price Agreements shall be determined by the individual Participating States through subsequent Participating Addenda.

F. Contract Term

The Sourcing Team is seeking a cost-efficient proposal to provide services, as defined in this RFP, for the anticipated contract period defined in the table below. Please note that the dates below are estimated and may be adjusted as necessary in order to comply with all procedural requirements associated with this RFP and the contracting process of each participating state. The actual contract start date will be established by a completed and approved contract.

Contract Renewal: Following an initial four-year term of the Master Price Agreement, the Sourcing Team may opt to renew the Agreement for six renewal periods of one year each, subject satisfactory performance. This creates a *possible* grand total of ten years of contract performance. There is no guarantee, however, that a renewal period will be exercised, and Bidders should have no expectation of this occurring.

The term of the anticipated Master Price Agreement, resulting from this RFP, is defined as follows:

Period	Start Date	End Date
Initial Period of Performance	July 1, 2013	June 30, 2017
Renewal Period #1	July 1, 2017	June 30, 2018
Renewal Period #2	July 1, 2018	June 30, 2019
Renewal Period #3	July 1, 2019	June 30, 2020
Renewal Period #4	July 1, 2020	June 30, 2021
Renewal Period #5	July 1, 2021	June 30, 2022
Renewal Period #6	July 1, 2022	June 30, 2023
Total possible years of performance:		10 years

Participating states may choose to award and renew their individual Participating Addenda at their discretion.

PART II SCOPE OF SERVICES

1. Scope of Work

1.1. Bidder Response to Service Specifications and Requirements

Part II, SCOPE OF SERVICES represents the State of Maine's specifications and requirements for its Learning Technology Wireless Classroom Solution. It also includes the information required to be supplied by the Bidder as part of its response to this proposal. For each requirement in **Part II, SCOPE OF SERVICES**, each Bidder must respond appropriately. Failure of the Bidder to provide completely the required information as specified in each of the bullets below may result in the Bidder's proposal not achieving its maximum scoring potential during the evaluation process.

- The appropriate response to some requirements may simply be for the Bidder to acknowledge and to agree to comply fully with the requirement.
- More typically, the Bidder must specify and describe how its solution meets or exceeds the requirements.
- Each Bidder must also specify, describe and clarify its proposal's characteristics and strengths as well as any weaknesses or limiting factors.

Complete instructions are in **Part IV, PROPOSAL SUBMISSION REQUIREMENTS**.

2. Overview

Maine's state learning technology plan enacted by the Legislature in June 2001 must provide for:

- Portable computing devices for every 7-12th grade student and teacher with functional software appropriate to grade level;
- Obtaining basic research information and databases;
- An alternative equivalent value factor option to school administrative units if they meet the standards of the learning technology plan;
- Teacher technology and professional development;
- External and internal networks and technical support;
- Costs for replacement of portable computing devices, servers and other equipment; and
- An evaluation component.

Not all of these items are included in this RFP. Please see **Part II, Section 4, Services Provided by Other Entities** for general information, and **Appendix E, State Profiles**, for descriptions of state-specific services provided by other entities.

A copy of Maine's state learning technology plan may be downloaded at:
http://maine.gov/mlti/resources/history/mlterpt.pdf

This plan led to the successful creation of the Maine Learning Technology Initiative (MLTI) that has provided notebook computers to every 7th and 8th grade students in Maine public schools since the 2002-2003 school year. The original MLTI solution was procured via a Request For Proposals (RFP) that led to the deployment of over 36,000 notebook computers, the installation of over 230 wireless 802.11b networks, and hundreds of hours of professional development for teachers, school administrators, and technology support personnel. In 2006, a

second RFP was issued that led to the deployment of over 45,000 notebook computers, the installation of new 802.11b/g wireless networks, and hundreds of hours of professional development. Prior to the expiration of the second contract, the State of Maine renegotiated the agreement to allow for the expansion of the program to Maine's high schools. In 2009, MLTI deployed nearly 75,000 notebook computers to its middle schools and over half of Maine's high schools, installed new 802.11 b/g/n wireless networks, and again provided hundreds of hours of professional development.

This RFP seeks the next generation solution for the Maine Learning Technology Initiative. In addition, working collaboratively with NASPO, it seeks to broaden the opportunity for other states to implement similar solutions for schools across the country. With the wide adoption of the Common Core State Standards and the development of the Next Generation Science Standards, the opportunity for States to collaborate and share is vast. The learning targets are the very much the same in many states. However, just as good teaching requires personalization to meet a student's needs, the implementation of a 1:1 program will require some personalization to meet each state's needs. Throughout this RFP, Bidders are asked to respond to functional requirements and other provisions of the RFP. In many places, Bidders are not specifically asked for responses specific to Maine or any state in particular. These are areas that the sourcing team believed to be general and applicable to all. In other places, Bidders will find specific instructions or descriptions specific to Maine or another sourcing team state (Hawaii or Vermont). This RFP seeks Bidders able to provide both a dependable, robust solution and the flexibility to tailor certain aspects to the individual needs of states.

2.1. Maine Education Strategic Plan

The MLTI is a critical component of a larger system envisioned by Maine's Education Strategic plan, "Education Evolving: Maine's Plan for Putting Learners First" (http://www.maine.gov/doe/plan/). The plan is shaped around five core priority areas that address the various elements of building an education system focused on the needs of all learners:

- Effective, Learner-Centered Instruction
- Great Teachers and Leaders
- Multiple Pathways for Learner Achievement
- Comprehensive School and Community Supports
- Coordinated and Effective State Support

Bidders should consider the Plan as it designs its solution.

3. Scope of Procurement: Learning Technology Wireless Classroom Solution

The awarded Bidder(s) must provide a solution that is both functionally complete and cost-effective. The Provider must demonstrate the ability, capacity, and flexibility to collaborate successfully and actively with the participating state, as well as schools and any other state partner that may wish to be involved, through its own participating addendum.

3.1. Maine Scope of Procurement

In order to secure the vision described in Part II, the State of Maine seeks to procure services that would provide personal, portable computing devices with suitable basic applications and functionality for all 7th through 12th grade students and teachers. In addition to these devices, the State of Maine seeks to procure installed or upgraded wireless networks for all participating middle and high schools as necessary, appropriate server capacity, professional development and technical support. The procurement sought will also include a number of optional schedules for equipment or services that local school units or other entities may choose to take advantage of at their own

expense.

3.2. Hawaii Scope of Procurement

Digital Materials Using Tablets and Laptops
Hawaii's "Digital Materials Using Tablets and Laptops" approach means that the state will separately purchase curricular materials with a digital component. To ensure all students are able to access the digital components of the curriculum, the state is currently planning to purchase tablets for elementary and middle grades and laptops for grades 9-12. Digital materials are easily updated at little to no cost and leveraging statewide buying power will also result in lower per-unit costs. The purchase of a digital curricular package will include professional development and technical assistance from the publisher and the contract to purchase tablets will also include corresponding technical assistance to complement the curricular package. Finally, the devices will serve multiple purposes as the end of course exams, bridge HSA (Hawaii State Assessment), and Smarter Balanced assessments will all be computer-based and delivered online.

4. Services Provided By Other Entities

This subsection describes in general terms the services critical to the success of the statewide initiative that are provided in whole or in part by an entity other than the Provider. As described in this section, the Bidder will be responsible to coordinate the design and deployment of the bid solution in order to appropriately complement and leverage these activities or resources. Some of these items are described more fully hereafter in conjunction with the relevant specifications. Note that this list is not exhaustive.

4.1. Building Preparedness

Each local school unit that opts to participate in this program shall be responsible to ensure minimum building readiness for the installation of the bid solution. The local school unit shall address structural issues, construction/renovation, abatement, and electrical wiring needs, based on specifications supplied by the Provider. The bid solution should be designed to minimize necessary costs of building preparation.

4.2. Connectivity and Adequate Bandwidth to Each School Building

Each local school unit that opts to participate in this program shall be responsible to ensure adequate bandwidth and connectivity to the school facility. The bid solution should be designed to minimize the need to upgrade the available bandwidth at each school. Bidders should note minimum bandwidth requirements to best implement the proposed solution in its response in **Section 6.6.8, Cloud Requirements**.

4.3. Home Access to the Internet

Educators and students who participate in this program are individually responsible for providing Internet access at home. It is beyond the scope of this RFP to seek home Internet connectivity for individual users while away from the wireless infrastructure described in **Section 7, Network Connectivity and Infrastructure**.

4.4. Content, Assessment, and Integration

Many states are "local control" states with regard to curriculum and selection of instructional

materials. State content standards describe what children should know and be able to do at each grade span. Many states have adopted the Common Core State Standards for English Language Arts and Mathematics. In addition, it is anticipated that many will adopt the Next Generation Science Standards in the future upon their completion. However, in local control states, local school units and classroom teachers are left with academic freedom to design lessons and select materials. Although the Bidder may include options for services regarding content, assessment tools, and other materials, any such services should be premised on a system of locally developed and selected curriculum, instruction and assessment.

4.5. Primary Research Databases

Many states have centralized, coordinated access to online and electronic content, databases, and other similar resources. While the Sourcing Team is interested in options for services regarding content, these should not be included in the per seat cost of the solution, but rather offered as optional purchases for each state to consider within the context of its own state.

4.6. Program Evaluation and Assessment

Each participating state will make provisions outside the scope of this Request for Proposal for outside analysis and evaluation of the impact and success of the project. The Provider should be prepared to supply its required reports and documents in a time, manner, and format specified by the participating state that will enable adequate program evaluation.

5. Participation by Schools

It is assumed that participation at the school level within any state that elects to participate in this program will vary significantly based on numerous differences in state policies and funding.

5.1.1. Maine school participation

All two hundred six (206) Maine middle schools (grades 7-8) are eligible to participate in the program. Since the inception of the program, 100% of Maine middle schools have participated in the program. It is estimated that one hundred twenty (120) Maine high schools (grades 9-12) are eligible to participate in the program. Starting in 2009, 55% of Maine high schools have been participating in the program. The number of classrooms and students within schools varies widely. Maine has many small, rural schools. A significant proportion – roughly 48% – of the schools that serve 7th and 8th grade students are K-8 elementary schools.

Maine is a strong “local control” state. Although Legislature and the Department of Education provide statewide policy direction, each of Maine’s 230 school units, organized on a municipal or regional basis, has an elected school board with general statutory responsibility for policy and operational oversight of each school.

The State will pay for participating middle schools including student and eligible staff seats as well as wireless networks. The State will also pay for participating high schools including eligible staff seats and wireless networks, but not student seats. Local school districts are responsible for the costs of student seats for students at participating schools in grades other than grade 7 or grade 8. It is expected that many Maine schools serving grades K-6 will also wish to participate in this program. Please see **Section 6.8.1, Pricing Schedule for Additional Educational Groups** for more information about Maine K-6 schools. All devices for participating Maine public schools, regardless of the grade level served, will be purchased by the

Department of Education under the resulting Agreement. For students or staff that do not meet the eligibility requirements, the Department will invoice the schools directly for reimbursement to the Department. Therefore, all invoicing and payments for Maine public schools will be done solely with the Department.

While it is expected that all of Maine middle schools and most Maine high schools will participate in the program, schools will do so on an opt-in basis. Every public middle school in the State participated in the first, second, and third MLTI deployment. Additionally, some Maine elementary and private/independent schools elected to participate at local cost. However, some school units may elect not to participate. Other school units may elect for an alternative deployment. It is anticipated that schools that do not opt-in initially would retain the right to opt-in, at a minimum for Year 2 (the 2014-15 school year). Based on the solution proposed by the winning Bidder, the Department will require in May 2013 a formal statement of intent to participate from school units.

5.1.1.1. Maine Alternative Deployments

Maine middle schools may also elect to participate in an alternative one-to-one deployment, using different devices or configurations than that provided by the State-funded solution from the Provider. This alternative deployment could utilize an optional cost schedule for upgrades or enhancement offered by the Provider, or the school unit at its discretion could utilize equipment or services from some other vendor. If a school's alternative deployment satisfies criteria to be established by the Department, the State would provide to that school – for those service components that are susceptible to disaggregation -- funds equal to the component(s) of the State-funded solution. The local school unit would have sole responsibility for any additional costs, beyond the State-funded solution, associated with the alternative deployment.

5.1.2. Hawaii school participation

All Hawaii Department of Education public schools are expected to participate in this program. The Hawaii Department of Education consists of approximately 260 unique schools with a total enrollment of approximately 175,000 statewide. The procurement of these devices is expected to be phased over a three-year period, with five new complex areas (districts) added each year. Hawaii estimates it will deploy devices to approximately 60,000 students and staff annually until the third year of implementation, when essentially all staff and students statewide have a device. Procurement will be subject to availability of funds. This phased approach was chosen as opposed to a grade level approach because it honors the commitment to a K-12 construct and powerful K-12 articulation. By allowing Complex Area Superintendents and principals to opt in to the phases we are more likely to have those who are willing and able be early implementers and therefore lead the way to a more successful implementation. Selection of Complexes or Complex areas will be made by the office of the State Superintendent, and will be based on technology readiness, leadership readiness and staff readiness. Please refer to **Appendix E, State Profiles - Hawaii** for technical readiness details.

5.1.3. Vermont school participation

Presently, Vermont does not have statutory guidance for participation in this program. As such, it expects participation from schools serving students across all grade levels, K-12, based upon local decision-making.

5.2. Opt-in

Participating states will coordinate with the Provider and its local schools to determine participation. Schools will be required to opt-in to the program by agreeing to terms and conditions between the state and the local school system. These terms and conditions will vary from state to state. The Provider is expected to assist participating states with the dissemination of information about the solution in order to ensure that local schools make informed decisions.

5.2.1. Maine Opt-in

It is anticipated that the Maine Department of Education will require a formal opt-in from its schools no later than May of 2013. The timing of the opt-in may vary based upon the Bidder's solution.

5.2.2. Hawaii Opt-in

It is anticipated that Hawaii schools will participate on an opt-in basis. Because Hawaii schools will rely on state funds to be able to participate in this program, it is expected that State leadership will ultimately determine schools, complex, or complex area participation in the program.

5.2.3. Vermont Opt-in

It is anticipated that Vermont schools will participate on an opt-in basis. Because Vermont schools will rely on local funds to be able to participate in this program, it is expected that not all local schools or districts will elect to participate in the program.

5.3. Full Deployment

All participating schools that opt in initially are required to be fully deployed for the start of the 2013-2014 school year. Schools that opt in at a later date would be deployed as soon as practicable.

5.3.1. Maine Deployment

Bidders should note that some schools in the Aroostook County region of Maine begin school in early August. The Department will coordinate with the Provider to prioritize deployment and installations based upon the various Maine school system calendars.

5.3.2. Hawaii Deployment

Bidders should note that some schools Hawaii begin earlier in the year than most other states (July 29th). Training would theoretically need to be done in June/early July.

5.3.3. Vermont Deployment

Ideally, delivery of devices would take place in May or June of 2013 in anticipation of the Fall semester. Training would be done in June/July to prepare for Fall semester.

6. Personal Computing Device & Software Applications

A portable, wireless computing device will be provided for each participating user in participating schools. All devices will be deployed in the first year of the program. Participating users will be defined by each State or local school.

6.1.1. Maine Participating Users

All students in participating middle schools (7th and 8th grade) will participate in the program. Additionally, all students in participating high schools (9th through 12th grade) will participate in the program. If a school elects to participate for other grade levels, all students in that grade level will participate in the program. Each teacher, librarian, school administrator, and technical coordinator in a participating 7-12 school will participate in this program. Personnel in these schools not covered by the State's funding may optionally participate if the local school elects to pay the per seat cost for those personnel.

6.1.2. Hawaii Participating Users

All grade levels will be eligible to participate in the program. Schools not centrally funded for program by State's may, subject to state approval, optionally participate if the local school elects to pay the per seat cost for those personnel and students.

6.1.3. Vermont Participating Users

All grade levels will be eligible to participate in the program. All students may optionally participate if the local school elects to pay the per seat cost for those personnel and students.

6.2. Device Quantities

6.2.1. Teachers and Staff

Participating educators and school personnel (which may include teachers, librarians, school administrators, technical coordinators, and more) will be equipped with a portable computing device (hereafter referred to as the “teacher’s” device). The teacher’s device may be the same as the student’s device or may be a more fully capable device. Either way, the teacher’s device must satisfy educational and practical functional goals in the classroom and for lesson preparation.

6.2.1.1. <u>Maine Teachers and Staff</u>

Classroom teachers in all content areas, special education teachers, literacy specialists, librarians and itinerant teachers will all receive a computing device. In addition, school administrators including principals, assistant principals, special education directors, technology directors, technology integrators, and others will be equipped with a portable teacher’s device. The Department will work with schools to determine the exact number of eligible staff for each school. In 2009, the Department’s initial count for total eligible staff for grades 7-12 was 11,869.

6.2.1.2. <u>Hawaii Teachers and Staff</u>

At a minimum, classroom teachers in Math and Language content areas, special education teachers, literacy specialists, librarians and itinerant teachers will all receive a computing device. Hawaii will ensure that all classroom teachers will eventually have a device. The Hawaii Department will work with schools to determine the exact number of eligible staff for each school.

6.2.1.3. Vermont Teachers and Staff

Because of the local nature of this opportunity, schools will determine the teachers and staff eligible to receive a portable device. The recommendation from the Vermont Department of Education will include a device for each teacher involved in the building based 1:1 program with additional devices available for staff in other content areas that are impacted by the 1:1 computing program.

6.3. Students

Each student in participating schools will be equipped with at least one portable computing device. The educational requirement is a minimum 1:1 ratio – at least one device per student.

6.3.1. Maine Students

The estimated number of Maine students is summarized in Table A below. This data is based on the spring reported enrollments (April 2012) for Maine public schools. For more detailed information, please see:

http://www.maine.gov/education/enroll/attending/statespringpub.htm

The anticipated program commences in August 2013 with the Classes of 2014 through 2019. The actual student enrollment numbers could be higher or lower.

The count could be lower if some eligible schools elect not to participate. As described in **Section 5.1.1.1 Alternate Deployments**, schools may also elect to participate in an alternative 1-to-1 deployment using different devices or configurations than that provided by the State-funded solution described by the Bidder.

High School Graduating Class Year	Grade in 2013-14 School Year	Estimated Student Count
Class of 2014	12	14,276
Class of 2015	11	14,494
Class of 2016	10	14,366
Class of 2017	9	14,074
Class of 2018	8	13,852
Class of 2019	7	13,698
Class of 2020	6	13,402
Class of 2021	5	13,309
Class of 2022	4	13,569
Class of 2023	3	13,688
Class of 2024	2	13,586

TABLE A – Maine Student Count Estimates

6.3.2. Hawaii Students

The estimated number of Hawaii students is summarized in Table B below. This data is based on the statewide projected enrollment for school year 2013-14.

Hawaii Enrollment Projections 2013-14			
Category	**High School Graduating Year**	**Grade**	**Total**
Regular Education	**Class of 2026**	**K**	15,349
	Class of 2025	**1**	14,303
	Class of 2024	**2**	13,778
	Class of 2023	**3**	13,336
	Class of 2022	**4**	12,766
	Class of 2021	**5**	12,502
	Class of 2020	**6**	11,527
	Class of 2019	**7**	10,874
	Class of 2018	**8**	11,040
	Class of 2017	**9**	12,194
	Class of 2016	**10**	11,275
	Class of 2015	**11**	10,549
	Class of 2014	**12**	9,059
		Subtotal	158,552
Special Education		**K-6**	8,092
		7-8	2,971
		9-12	6,119
		Subtotal	17,182
GRAND TOTAL			**175,734**

TABLE B – Hawaii Student Count Estimates

6.3.3. Vermont Students

The estimated number of Vermont students is summarized in Table C below. This data is based on a statewide projected enrollment for school year 2013-14.

High School Graduating Class Year	Grade in 2013-14 School Year	Estimated Student Count
Class of 2014	12	6,883
Class of 2015	11	6,954
Class of 2016	10	6,448
Class of 2017	9	6,344
Class of 2018	8	6,250
Class of 2019	7	6,258
Class of 2020	6	6,138
Class of 2021	5	6,134
Class of 2022	4	6,164

Class of 2023	3	6,221
Class of 2024	2	6,043

TABLE C – Vermont Student Count Estimates

6.4. Students with Disabilities

All students will receive a device except students who are determined by an individual education program (IEP) team to be unable to benefit from learning technology equipment. Ideally, all learners should benefit from the Bidder's solution. The school unit will provide additional adaptations, software, or peripheral equipment from the Provider or another vendor if necessary.

6.5. Device Functional Requirements

Bidders must complete the **Portable Computing Device Specifications Summary** included in **Appendix G – Additional Forms**. If more than one portable computing device is included in the solution, Bidders must complete one Summary Sheet per device.

6.5.1. Assessment Compatibility

The solution must meet, and ideally exceed the Hardware Purchasing Guidelines published by the Smarter Balanced Assessment Consortia (SBAC) and the Partnership for Assessment of Readiness for College and Careers (PARCC). These published guidelines may be found at:

http://www.smarterbalanced.org/smarter-balanced-assessments/technology/
http://www.parcconline.org/technology

6.5.1.1. Maine
Many Maine schools use the Northwest Evaluation Association (NWEA) formative assessment tool. It is desirable that the solution is compatible with the NWEA tool.

6.5.1.2. Hawaii
Many Hawaii schools use the Global Scholar Pinnacle Instruction Learning Management System as a formative assessment tool. It is desirable that the solution is compatible with this tool.

6.5.2. Device Connectivity

The device will be able to connect to the WiFi network and also be able to also access the school's pre-existing local network, and the Internet, wirelessly (via WiFi) within the school, home or other area outside the school. The Bidder must describe the device's native connectivity capacity as well as connectivity options including those that may require additional attachments and whether these attachments are a part of the proposed solution. The Bidder must describe its wireless network connectivity solution in detail in **Section 7, Network Connectivity and Infrastructure**.

6.5.3. Device Portability

The device will be able to be carried conveniently and easily by students and teachers - either via a provided carrying case or some built-in carrying ability. The portable computing device shall be lightweight. While the Department will not mandate a specific maximum weight, as a

guideline the Department would prefer to see a device and all its components that weighs six pounds or less. In general, the lighter the better.

6.5.4. Device Durability

The portable computing device must be highly durable and withstand reasonable and normal daily use by middle and high school students. It is desirable that the device shall be durable enough to withstand occasional mishaps, and resist hazards such as dust, dirt and spills – and still function. It shall also have parts that cannot be easily removed, tampered with, or broken.

In order to provide necessary protection for the device during normal transport, the Bidder may include an appropriate carry case. Ideally the case would allow schools to easily label cases for easy identification (i.e. "All black bags look alike"). Included cases shall be included in the annual per seat cost and shall be fully covered by the Provider's support and warranty program as described in **Section 9, Warranty, Insurance, Damage and Theft**.

6.5.5. Device Power

The portable computing device will have a battery capacity that will allow the device to be used throughout a standard school day without being recharged. The battery will need to have the ability to be recharged by the student at home or elsewhere or through a type of multi-unit re-charger at the school, and will need to be able to be recharged overnight or sooner. The device shall also be able to be powered by a standard electrical plug.

The Bidder must specify the recharge time, electrical load, battery life, and other relevant electrical specifications of its solution. Although each local school unit that opts to participate in this program shall be responsible to ensure minimum building readiness for the installation of the bid solution based on specifications supplied by the Provider — including electrical wiring needs — the bid solution should be designed to minimize necessary costs of building preparation in terms of adding electrical receptacles or additional power to classrooms. The proposed solution should respect the limited electrical power capacity within the school and classroom environment.

The Department recognizes that while the type of usage can impact battery life, that in general battery life is often most impacted by the display, motors, and network radios. The Bidder must describe its strategy to ensure sufficient battery life, and how its solution takes into account common battery intensive tasks.

Battery replacements and proper recycling of spent batteries will be done within the per seat cost and in such a way that does not impact teaching and learning. The Bidder must describe its plan for providing replacement batteries and for recycling spent batteries.

6.5.6. Keyboard

The portable computing device will have an appropriately sized keyboard *function* that facilitates text input, integrated into the device, into the carrying case, or some other effective method. While an ideal solution would include a standard-size keyboard, it is recognized that a smaller size may be necessary. Nonetheless, the Department seeks a keyboard interface of sufficient size and ease of use for students and teachers to be able to do their work effectively and efficiently without discomfort.

6.5.7. Screen

The portable computing device will have a color screen of sufficient size with good resolution. While the Department will not mandate a screen size, the solution should take into account ease of use and functionality (as described below in **Section 6.6, Software and Function** as well as any requirements defined in **Section 6.5.1, Assessment Compatibility**). In general, the higher the resolution the better. The Provider should keep in mind portability, size, and weight.

6.5.8. Mouse/Pointing Function

The portable computing device will have a mouse/pointing capability that provides pointing functions and is easy to use. It is preferable for pointing functions to be integrated into the device (e.g. trackpad, track point, touch screen, etc.) and not rely on a separate attachment.

6.5.9. Audio

The portable computing device will have built-in audio capabilities, including speakers for personal use and an audio-out capability that accepts standard 1/8" audio connectors for headphones or speakers. It should also include an integrated microphone and audio-in capacity.

6.5.10. Camera

The portable computing device will have an integrated, built-in camera capable of capturing/recording images and video.

6.5.11. Size

The portable computing device will fit on school desks and be easily carried by an adolescent-aged student.

6.5.12. Ports

The device should ideally have additional ports/capacity for attachment of external devices. In addition, the device will be capable of connecting to standard video output devices such as digital projectors or monitors. It is desirable that the device will be compatible with common interactive white board systems.

6.5.13. Boot Time/Wake Time

A device that starts and is ready for use quickly is highly desirable. The Bidder must specify the boot and wake time for its device.

6.5.14. Upgrades

Upgrades to the portable computing device, if proposed, during the term of the contract will be done within the per seat cost at a time that does not impact teaching and learning.

6.5.15. Ergonomics

The system and design will be one which can be used efficiently and comfortably with a minimum amount of fatigue or adverse physical effects. The Bidder must specify what ergonomic standards or guidelines it has adopted in its proposed design.

6.5.16. Accessibility

It is the intent to purchase hardware and software that provides the highest degree of accessibility to all users, including users who may have an impairment that interferes with the use of the device. The solution will have the capacity to interface with peripherals, software and assistive technologies used by students, teachers and others with visual, hearing, mobility, communication and/or cognitive impairments and will conform to the ISPB-approved Computer Application Program Accessibility Standard which can be found at:

http://www.maine.gov/oit/accessibility/software_policy.html

There must not be a need for complex and expensive adaptation and/or specialized design later to meet the needs of users. The design should communicate necessary information in as many different forms as possible (e.g., verbal, auditory, tactile, pictorial) to accommodate needs. It should be of appropriate size and should be operable in at least one mode for those with limited hand, arm, leg or trunk strength, flexibility and range of motion. Space should be provided for approach, reach, manipulation and use regardless of a user's body size, posture or mobility.

The Bidder must describe to what extent its proposed solution satisfies this requirement. This should include a description of whether and how the device provides the functionality and/or the capability to interface with peripherals, software and assistive technologies for visual, hearing, mobility, communication and cognitive impairments.

6.5.17. Disposal

The Provider will ensure that no devices or materials supplied by it are disposed of improperly. The Provider will ensure that associated hazardous constituents are kept out of solid waste and wastewater. Examples of possible hazardous constituents are: printed circuit boards, lithium batteries, and mercury-containing lamps for screen illumination. It is desirable that the device is highly recyclable. The Department recognizes that eventually, the devices will be retired from use and wants to minimize the environmental impact of the equipment deployed as part of the solution.

6.6. Software and Function

6.6.1. Applications

The MLTI has adopted and promoted two models to guide teacher practice and the integration of technology into instruction and learning. These models are *Technological, Pedagogical, Content Knowledge* (TPCK) by Drs. Punya Mischra and Matthew Koehler (http://www.tpck.org) and *Substitution, Augmentation, Modification, Redefinition* (SAMR) by Dr. Ruben Puentedura (http://www.mlti.org/samr and http://www.hippasus.com/rrpweblog/). Bidders must describe the tools and functionalities included in the solution and their anticipated use in light of these models.

The solution must, at a minimum, provide the students and teachers with software to facilitate the following functions to support educational needs:

6.6.1.1. Writing (e.g., word processing, journaling, communications, editing and revision, sharing, etc.)
6.6.1.2. Reading (e.g., annotating, excerpting, sharing, determining complexity, etc.)
6.6.1.3. Data analysis and modeling (e.g., spreadsheet, graphing and charting, GIS, predict

and explain, etc.)

6.6.1.4. Computational thinking (e.g., analyzing and organizing data, data modeling and simulations, programming, etc.)

6.6.1.5. Presentations and publishing (e.g., slide shows, web authoring, speaking/narrating text, providing feedback, etc.)

6.6.1.6. Multimedia creation (e.g., creation and manipulation of digital images, audio, video, etc.)

6.6.1.7. Information management (e.g., database, concept mapping, etc.)

6.6.1.8. Research (e.g., Internet browsing with the ability to access and utilize common multimedia and interactive content like streaming audio/video, javascripting, java applets, HTML5, Flash, etc.).

6.6.1.9. Communication and collaboration (e.g. sharing data, asynchronous and synchronous text-based communications, video/audio chat, etc.)

The Bidder must describe the applications included in its solution including how it envisions those tools supporting the functional needs described in this section.

6.6.2. Multi-State Standards

6.6.2.1. *Common Core State Standards for English Language Arts*

Forty-six States have adopted the *Common Core State Standards for English Language Arts*. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support the teaching of and the learning of the outcomes described by the *Common Core State Standards for English Language Arts* including the 4 component sections: reading, writing, speaking and listening, and language. Bidders should pay particular attention how the solution provides tools and functionality to support text complexity, informational text, and text types as described in the CCSS for ELA (http://www.maine.gov/education/lres/ela/standards.html).

6.6.2.2. *Common Core State Standards for Mathematics*

Forty-six States have adopted the *Common Core State Standards for Mathematics*. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support the teaching of and learning of the outcomes described by the *Common Core State Standards for Mathematics* with a particular emphasis on the eight "Standards for Mathematical Practice" as detailed in *Common Core State Standards for Mathematics* (http://maine.gov/education/lres/math/standards.html#ccss-math).

Additionally, the solution must include the capacity to format and display mathematical formulas, equations, and symbols. Entry and editing of mathematical formulas, equations, and symbols should be easy and allow for teachers and students to create documents and media that aid with instruction and learning.

6.6.2.3. *Next Generation Science Standards*

Twenty-six states are working together on the development of the *Next Generation Science Standards*. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support teaching and learning described by the vision of science education in "A Framework for K-12 Science Education" inclusive of the Scientific and Engineering Practices, and Cross Cutting Concepts and reflected in the first draft version of the *Next Generation Science Standards* (http://maine.gov/doe/nextscience/index.html).

6.6.3. State Specific Standards

6.6.3.1. Maine

While the Provider is not required to provide educational content, each Bidder must identify all of its application software and describe how it will support educational use and how it will align tools and resources with Maine's *Learning Results* including the *Common Core State Standards.* In addition, the Department anticipates that upon completion, the *Next Generation Science Standards* will be adopted. More information about Maine's adopted academic standards and its involvement with *Next Generation Science Standards* development may be found here:

- http://maine.gov/doe/teaching/standards.html

6.6.3.1.1. Career and Education Development

Career and education development helps all students gain the knowledge, skills, and behaviors to interact with others, set goals, and make decisions related to career, college, and citizenship. These are the skills and knowledge that underlie the *Common Core State Standards* and all content areas and are also known as "College and Career Readiness". Bidders should focus on tools and functionalities that assist students to create and update personal profiles and interest inventories, do career research, make college and career decisions, and set goals and solve problems.

6.6.3.1.2. Career and Technical Education

The Career and Technical Education (CTE) centers provide over 60 programs of study, many of which require specialized equipment and tools that are beyond the scope of this RFP. For more information about the programs offered in Maine CTE centers, see:

- http://www.maine.gov/education/it/

Bidders must describe how its solution will support effective teaching and learning in the CTE centers in Maine in general. If specific functions and tools included in the solution have specific application for a program of study offered in Maine CTE centers, the Bidder should describe those specific uses within the context of that program of study.

6.6.3.1.3. English Language Arts

Maine has adopted the *Common Core State Standards for English Language Arts* (**Section 6.6.2.1 *Common Core State Standards for English Language Arts***).

6.6.3.1.4. Health and Physical Education

Maine updated the *Learning Results* for Health and Physical Education in 2007. The updates included a focus on leveraging the learning goals embedded in the standards "to enhance health". While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support the teaching of and the learning of the outcomes described by the *Learning Results* for Health and Physical Education.

6.6.3.1.5. Mathematics

Maine has adopted the *Common Core State Standards for Mathematics* (**Section 6.6.2.2 *Common Core State Standards for Mathematics***).

6.6.3.1.6. Science and Technology

Maine is a lead state in the development of the *Next Generation Science Standards*, and it anticipates that these standards will be adopted upon completion (**Section 6.6.2.3 *Next Generation Science Standards***).

6.6.3.1.7. Social Studies

Social studies education involves the exploration of the social sciences and humanities, including geography, civics and government, economics, and history in order to develop responsible, informed, and engaged citizens. Effective teaching and learning in social studies rely heavily on the usage of multiple primary and secondary sources and research. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support the teaching of and learning of the outcomes described by Maine's *Learning Results* for Social Studies with a particular emphasis on fostering civic, global, historical, geographic, and economic literacy and the development of critical thinking and problem-solving skills; investigation, research and reading skills; oral and written communication; presentation skills; and collaboration skills.

6.6.3.1.8. Visual and Performing Arts

The Visual and Performing Arts encompasses many different forms of artistic expression, and students and teachers need to be able to both create, edit/manipulate, capture, and view these different forms of artistic expression. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support teaching and learning including:

- The capacity to capture live performance for assessment (both self-assessment and assessment by others) and as an artifact of the performance itself -- which may be later used for any number of activities -- assessment, sharing, archiving, remixing into new expressions, etc.
- The capacity to create and manipulate audio, video, and visual media as a mode of creativity and expression.
- The capacity to view/hear artistic work for the purposes of analysis, comparison, evaluation, etc.

6.6.3.1.9. World Languages

Maine has a goal to graduate all students proficient in a world language. This includes the capacity to communicate both orally and in writing. While the Provider is not required to provide educational content, Bidders must describe the tools and functionalities included in the solution that will support teaching and learning of a world language. This includes tools and functionalities that support both productive (speaking, writing, showing) and receptive (listening, reading, and viewing) modes of communication. Further, the Bidder must describe how its solution's tools and functionalities support different form of communication:

- Interpersonal (direct communication between individuals)
- Interpretive (individual receives communication by listening, seeing, or reading), and
- Presentational (individual delivers communication orally, written, or some recorded form when the receiver is not expected to provide direct feedback including a one to many style of communication)

In addition, proficiency in a world language requires cultural knowledge as it relates to differences in how communication is produced and received. Bidders must describe how its solution supports the teaching and learning of cultural knowledge.

6.6.3.2. Hawaii

While the Provider is not required to provide educational content, each Bidder must identify all of its application software and describe how it will support educational use and how it will align tools and resources with Hawaii's adopted academic standards – the *Common Core State Standards for English Language Arts* and Literacy in History/Social Studies, Science, and Technical Subjects; *the Common Core State Standards for Mathematics*; and HCPS III for CTE, fine arts, physical education, and world languages. Hawaii also anticipates adopting the Next Generation Science Standards, pending their completion in 2013. More information about Hawaii's adopted academic standards may be found here:

- http://standardstoolkit.k12.hi.us/index.html

6.6.4. Network and Device Connectivity

The device must be able to connect to network file servers using common networking protocols (e.g., smb, afp, nfs, ftp, etc.). The device must be able to utilize common peripherals for input and output (e.g., networked and stand-alone printers, digital cameras, digital video cameras, scanners, etc).

6.6.5. Distance and Online Learning

The portable computing device must be able support common learning management systems (i.e. Moodle, Blackboard, Studywiz, etc.) to facilitate distance and online learning. In addition, the portable computing device must be compatible with common online content providers (i.e. oercommons.org, cnx.org, khanacademy.org, ck12.org, iTunes U, etc.).

6.6.6. Student Information Systems

The portable computing device must be compatible with common student information systems in use in schools and states.

6.6.6.1. Maine Student Information Systems (SIS)

The Maine Department of Education utilizes Infinite Campus State Edition for management reporting purposes. In addition, Maine schools primarily utilize Infinite Campus and PowerSchool for local management and reporting purposes. Bidder's solutions must be compatible with Infinite Campus and PowerSchool systems, and Bidder's will be required to work with the Department to maintain compatibility as both the solution and the SIS systems evolve.

6.6.7. Stand-alone

The portable computing device must be able to function in a stand-alone mode sufficient to enable the user to perform basic functions (e.g., writing, data analysis, multimedia, information management) without requiring network access. The Bidder must describe the differences, if any, in the function of the device when it is network-connected versus in stand-alone mode. Bidders should consider that many families do not have broadband Internet access at home.

6.6.8. Cloud Requirements

The Bidder must include a recommended minimum school Internet bandwidth capacity for its solution. Recommended bandwidth should be expressed in megabits per second for each 100 users per school. This recommendation should assume that the entire school is participating in the program, and therefore all students may be leveraging the portable digital device. The Department recognizes that some general activities not specific to the solution can drive significant bandwidth usage, and recognizes that schools will need to install bandwidth necessary to support the density of users associated with a 1:1 program. However, if the Bidder's solution relies on cloud-based tools and functionality, the Department needs to understand what impact, if any, the introduction of the solution will have on school bandwidth needs. Bidders should design a solution that respects the availability of bandwidth in schools.

6.6.8.1. Maine School and Library Network

For more information about available bandwidth in Maine schools, please see **Appendix E, State Profiles - Maine**.

6.6.9. Software Updating

The Provider should describe how its solution will provide the capacity to update the portable computing devices. This includes incremental and major updates that may be required after the portable computing devices have been issued to students. Increasingly, schools are issuing the portable computing devices to students, and the students are retaining the device even during long vacations including summer break. The Provider should describe whether or not it will be necessary for schools to collect the portable computing devices to apply major updates efficiently. The portable computing devices will be able to be updated from a central location via a "push" method or "over the air" method rather than each device separately and manually for incremental updates.

Ideally, major updates should not require users to perform a complete back and restore of user data and configurations in order to apply the update. While the Department recognizes that performing a backup before a major update is "best practice", it is desirable that the solution allow for "upgrades" whenever possible as opposed to "reformat and reinstall".

6.6.10. Software Restore

The portable computing device will be able to be restored easily and in a reasonable timeframe. The Provider should take into account the range of sizes of schools and account for reasonable restore processes for both large and small school deployments. The Provider is responsible for providing any associated software, hardware, or networking equipment necessary to restore the device to a base state. In addition, the restore process should allow for easy additions to the base software load as schools may desire the additional software titles or adjustments to basic settings. Ideally, a device should be able to be restored, including local additions, easily so that upon completion of the process, no further manual installations or configuration changes are necessary.

6.6.11. Operating System and Software

The Provider must include current and upgraded versions of the core operating system software and all other software included as a part of the Provider's solution through the term of the agreement in order to maintain usability with upgrades and enhancements to surrounding systems and peripherals. The Bidder must provide a device which will not require hardware

upgrades in order to reasonably keep up with possible future software upgrades (e.g., initial delivery should include adequate memory, storage, and processing power for typical upgrade cycles given the term of the agreement) or the Provider should include a description of how it plans to upgrade the equipment through the life of the project to maintain adequate functionality and minimize disruption and the availability of the solution.

6.7. Device Options

The Department wishes to enable schools, who so desire, to enhance or complement the basic solution with additional, optional software and hardware at their own local costs. Each Bidder should describe what it can offer, separately priced, to enhance schools' effective use of the basic solution—strictly as an option for local school units to consider should the Bidder become the awarded Provider. Schools may also opt to acquire such offerings independently if they are able to obtain better pricing from other parties. The Bidder shall include only those products, models and features that it will support if configured and connected to the proposed solution.

The Bidder should specify and describe fully here the features, functions and advantages of such offerings. Provide the price quote on **Appendix B, Cost Proposal Form, Table 4** for each item, including all cost options (please use consistent item numbers in this section and on **Appendix B, Cost Proposal Form, Table 4**). Specify whether the price includes shipping, installation and related charges; if not, specify what additional charges would be added. Ensure that the total cost is represented.

The Bidder is to provide the manufacturer name, model, short description, warranty, unit and volume prices. Also, include any additional cables, connectors and adapters required. If any software upgrades or additional features are required, so state. These devices, cables, connectors and adapters must be available through the Bidder's corporation for delivery to the individual sites. The value of such offerings will not be considered in the evaluation score of the proposal.

6.7.1. Optional Software

The vendor may provide students and teachers access to software and applications such as educational content, web-page development software, student information, assessment tools, data management, etc. Specify such offerings here.

6.7.1.1. Maine Proficiency- and Standards-based Education Models

Maine is a leading state in the implementation of using national standards and industry recognized credentialing exams as assessments. The national and state certified standards currently in use can be found at http://www.maine.gov/education/it/resource_directory.shtml These standards are our CTE's programs' benchmarks. Twenty-four Maine school districts have formed the Maine Cohort for Customized Learning (http://mainecustomizedlearning.org) which seeks to support the implementation of performance-based learner-centered educational systems. Further, Maine recently enacted LD1422, "An Act to Prepare Maine People for the Future Economy" (http://www.mainelegislature.org/legis/bills/display_ps.asp?LD=1422&snum=125). It calls for the implementation of proficiency-based diplomas beginning in January, 2017.

The Department is interested in solutions that will support the implementation of a performance/proficiency-based, standards-based system of education. This system would allow students and teachers to track, measure and produce reports based on student-centered project completions and instructor-led activities. The system would need to be able to track

data at multiple levels (duty, task, indicator), provide progress indicators at different intervals and be cross-walked between Maine's *Learning Results* including the *Common Core State Standards* and anticipated *Next Generation Science Standards*, and Maine selected CTE national and state certified Standards and Assessments. The system should allow for data integration with assessment systems including the Smarter Balanced Assessment Consortia assessment system, Northwest Education Assessment tool, and others. In addition, ideally the system would provide alignment between student learning needs based on performance data and measures and applicable content and resources that may be available both at cost or for free (i.e. Open Educational Resources).

6.7.2. Optional Hardware

The vendor may provide students and teachers access to other hardware components, such as alternate portable computing devices, printers, servers, wireless access points, batteries, power cords, projectors, assistive devices, or other optional hardware devices. Specify such offerings here.

6.8. Pricing Schedules for Additional Educational Groups

The Department of Education wishes to extend the opportunity to purchase, at their own expense, the Bidder's solution, at the same or nearly the same cost to other educational providers such as public and private K12 schools, teacher preparation programs, home-schooled students, or public libraries. This will allow school systems to extend the program beyond the Department supported program. The Bidder should provide a pricing schedule to be utilized if such groups or individuals are authorized by the Department and if they wish to purchase the device, software and support solution provided under the agreement with the Department.

6.8.1. Maine K-6 schools

Maine schools serving grades K-6 are increasingly deploying 1:1 computing programs similar to the MLTI 7-12 program. Historically, the Department has extended the opportunity to purchase the MLTI solution to K-6 schools, at their expense, but through the Department's Agreement (see **Section 5 Participation by Schools**). The Department is interested in continuing this opportunity for Maine's K-6 schools and also recognizes that other States that may participate in this program are seeking to support these grade-levels. Additionally, the Department recognizes that the device, tools and functionality described in **Sections 6.5 and 6.6** may or may not be applicable to younger students. The Department wishes to make available to K-6 schools a solution that mimics the solution as described in this RFP for grades 7-12 in as many places as possible but that may vary to take into account developmental differences and be more age-appropriate.

Ideally, aspects of the solution that are systemic and not specific to the individual student or teacher would be identical or nearly identical such as **Section 7 through Section 12**. Bidders should recognize that many Maine schools are K-8 or even K-12. Therefore, differences in service levels or service protocols may cause confusion. Bidders must describe how its solution would be different for schools serving grades K-6. For example, the solution may leverage the same device but with a different collection of software tools; the solution may leverage a completely different device and therefore different tools; or the solution may be identical in all aspects. Bidders should consider whether multiple variations are necessary to best serve the developmental needs of students ranging from kindergarten to grade 6. Bidders must also list and acknowledge which aspects of their bid proposal would be identical for the K-6 solution as compared to its proposed 7-12 solution.

6.8.2. Maine Pre-service Teachers and Higher Education

The majority of Maine's teachers graduate from Maine public and private higher education institutions. In order to help prepare these teachers to teach in a MLTI school, the Department believes that these pre-service teachers should have access to and should learn to leverage the MLTI solution. Integration of the MLTI solution and the changes in classroom practices empowered by the solution into the higher education curricula is critical to the development of new teachers as well as the innovation of classroom practices. Additionally, in-service teachers continue to complete courses at Maine higher education institutions to maintain their teacher certifications, and the Department believes that a deeper integration of the MLTI solution into these institutions will better serve in-service teachers as well. The Department recognizes that there are significant differences in how higher education institutions provide infrastructure and support, and how higher education students typically procure personal computing devices. Bidders must describe its plan to allow higher education institution teacher preparation programs in Maine to participate in the MLTI and provide devices and necessary services to the institution and pre-service teachers. Bidders must identify which aspects, if any, of its solution would not be available to Maine higher education institutions and pre-service teacher candidates. In addition, Bidders must propose how it intends to structure any financial arrangements including potential leases, invoicing, etc.

7. Network Connectivity and Infrastructure

The wireless network infrastructure shall connect from the portable computing devices at one end to the school's Internet gateway at the other end. Between the two ends, the Provider's solution must include switches and/or controllers as needed, the placement of wireless access points, server capacity for applications/files (as appropriate), and any other components necessary to complete the solution. In order to minimize the necessity to perform local electrical upgrades, Power-over-Ethernet is preferred. A Provider will be responsible for the design, installation, configuration, and on-going maintenance and support of the wireless network infrastructure for the term of the Agreement. Bidders must complete the **Wireless Local Area Network (WLAN) Specifications Summary** included in **Appendix G – Additional Forms**.

7.1. Building Readiness

Each local school unit that opts to participate in this program shall be responsible to ensure minimum building readiness for the installation of the bid solution. The local school unit shall address structural issues, construction/renovation, abatement, and electrical wiring needs, based on specifications supplied by the Provider. The bid solution should be designed to minimize necessary costs of building preparation.

7.1.1. Maine - Existing MLTI Wireless Networks

Existing MLTI network devices (wireless access points, switches, controllers), and infrastructure (cabling, patch panels) may be utilized by the Provider's solution at the Provider's choice. If a Provider's solution includes existing MLTI network devices or infrastructure, the Provider must agree to provide full warranty/performance coverage as it would with newly installed devices or infrastructure. The in-school infrastructure shall be accessible wirelessly and remotely. For more information about the existing MLTI wireless infrastructure, please see **Appendix E, State Profiles - Maine**.

7.1.2. Hawaii - Existing Wireless Networks

Hawaii has a separate plan for wireless networks and does not anticipate requiring any services for this. Deployment of devices will be decided based on the readiness level of the wireless infrastructure inside of schools. Please see **Appendix E, State Profiles - Hawaii** for more details on Hawaii's infrastructure readiness.

7.2. Local Network and Access

These network access services will include as a minimum:

7.2.1. Wireless Coverage

The coverage must ensure that all necessary instructional and administrative areas can function wirelessly. Students and teachers will remain connected to the school's wireless LAN as they move around within the various rooms and areas. The Provider will ensure access to the school's wireless network from all instructional areas as well as core administrative areas including academic classrooms for all content areas, frequently used study areas, media centers, assembly spaces, library, performance theater, and administrative offices. To the extent necessary, a site survey should be performed to optimize each school's coverage area. A school may expand the coverage area at its own expense using the Provider's optional equipment offering or another available vendor.

7.2.2. Wireless Access

Each participating school will be provided with a wireless connection. The Provider will be responsible for deploying switches and/or controllers, sized for the school's needs, that connects the buildings router and wireless access points. The portable computing devices will access the wireless LAN including network, switch, servers, access points, and associated hardware to provide a robust network environment for the student and teacher devices. This includes access from the school environment via the wireless network and any provided servers and the services it provides, including access to shared applications and files. Any proposed servers the Bidder may propose should include a description of where the servers will be located.

The Provider is responsible for all associated costs and services necessary to incorporate any proposed servers into the Provider's solution. Additional access points, wiring, electrical and equipment (if necessary) will also be provided as a local school option. Each Bidder must describe its solution's capabilities as well as its limitations (e.g., interference susceptibility, distance, spatial streams and object penetration), including what wireless industry standards (e.g., 802.11g, 802.11n, 802.11ac, etc.) are employed in the solution.

7.2.3. Wireless Bandwidth

For the wireless solution to be effective, sufficient and necessary bandwidth must be included. The solution must not only include sufficient aggregate bandwidth but must also be capable of being customized for varying needs within a school. Bidders must describe its strategy for providing sufficient bandwidth in a school environment, including how it intends to support the densities represented by classrooms of students, and the roaming nature of students (i.e. students change locations throughout the day). Each Bidder must specify and describe the capability and flexibility of its solution. The Bidder's solution should recognize that devices in addition to those provided through the Bidder's solution (e.g. smart phones, wireless printers, other computing devices) will also connect to the wireless network. Bidders will address how its solution provides

adequate throughput (i.e. MIMO, dynamic frequency selection (DFS), dynamic channel allocation (DCA), spatial streams, etc.) to the solution in a mixed (i.e. 802.11b, 802.11g, 802.11n, 802.11a, 802.11ac, etc.) environment. It is expected that the Bidder's solution will represent the majority of wireless clients, but not the only clients.

7.2.3.1. Wireless Usage

The Department anticipates that usage of the network will increase throughout the course of the Agreement as teachers and students integrate the solution into daily curricula and tasks. In addition, the nature of the usage may change over time as Internet technologies evolve and/or usage patterns change. While the Department cannot predict those changes, Bidders must describe how its solution will accommodate known network usage patterns including cloud-based services, video streaming including multi-cast sessions, and other bandwidth intensive tasks. If the Bidder's solution requires Bluetooth connectivity (e.g. keyboard connectivity to a tablet-style device), the Bidder must describe what, if any, impact on the wireless network this would have.

7.2.4. Internet Access

Access to the Internet for schools is to be provided via each school's connection to its ISP. The Provider will ensure its solution works with the school's connection, and the Provider will work with each school's ISP to identify appropriate bandwidth and network infrastructure as needed. Internet content filtering, such as required by C.I.P.A. federal law, will be the ISP's and the local school's responsibility, not the Provider's. The Provider shall, to the extent feasible, consult and advise on the availability of cost effective measures for Internet content filtering.

7.2.4.1. Maine Internet Access

Most Maine schools are connected to the Internet through the Maine School and Library Network operated by Networkmaine. At the minimum, MSLN provides a 10Mbps connection to the MSLN with maximum connections of 1Gbps in some locations. Bidders must identify Maine school locations it believes will require an increase in available bandwidth and how much of an increase in order to successfully leverage the proposed solution. For more information about the MSLN, please see **Appendix E, State Profiles - Maine**.

7.2.4.2. Hawaii Internet Access

Most Hawaii schools are connected to the Internet through the Hawaii Department of Education's primary Internet Service gateway at its main administration building in downtown Honolulu. The Hawaii Department of Education provides a 2 gigabit connection to the Internet, which is distributed to schools via a fiber network throughout the state. Parts of this network are under construction and some schools will be using cable modems to access our internal network until construction is complete. Bidders must identify Hawaii school locations it believes will require an increase in available bandwidth and how much of an increase in order to successfully leverage the proposed solution. For more information about the Hawaii Network, please see **Appendix E, State Profiles - Hawaii**.

7.2.4.3. Vermont Internet Access

Most Vermont schools are connected to "high speed" broadband access as defined by their providers. This means the access levels can vary greatly in different portions of the state. Included in **Appendix E, State Profiles - Vermont**, is a summary table of connectivity levels across the state.

7.2.5. Existing School Networks

The solution will provide wireless access for the computing devices to the school's existing network. While school internal networks vary, the network operating systems tend to cluster into Novell, Windows, Macintosh OS X, Unix and Linux. All schools have Ethernet capability.

7.2.6. Server Functional Partitioning

If servers are provided as part of the solution, these servers should allow accommodation for effective and flexible use in school settings. For example, this could include the provision to logically subdivide the server functions so that a server may be used for working with a single student, groups of students within a classroom, a single classroom, groups of classrooms, a single school, groups of schools, to the entire state. In general, server functions should be able to be isolated to individual or any group of users including across classes of users (e.g. students or teachers, 7th graders or 8th graders, etc.) as well as to be able to be used collaboratively across classrooms, schools, and potentially in a statewide fashion. For more information about the existing MLTI network, please see **Appendix E, State Profiles - Maine**.

7.2.7. Growth

Suitable architecture must be provided to allow for growth in the wireless network infrastructure if there is growth due to additional grades in the school utilizing the infrastructure or growth in the population of the school utilizing the infrastructure.

7.2.8. Print Services

The portable computing devices will be able to utilize a school's existing networked printers. The Bidder must list supported printing protocols as well as list common unsupported printing protocols, recognizing that schools tend to leverage technologies for longer timeframes than is commonly found in many other industries.

7.3. Remote Network Access

7.3.1. Portability

The Provider's portable computing device must enable students and teachers to access the Internet from their homes or other locations. The Provider's solution must also be accessible from remote locations, using the personal computing device, via other ISPs - for example, for a student to access the Provider's solution through the family's ISP account. Bidders must describe what methods are supported by the solution.

7.3.2. Other Devices

It is desirable that the Provider's solution, if applicable, also be accessible from remote locations using another computer – for example, for a student to access the servers associated to the Provider's solution through the family's home computer. Bidders must document which aspects of its solution will be available to students and teachers from a device other than the Provider's portable computing device and what, if any, special software is necessary.

8. Performance and Quality

8.1. Uptime

The Provider will ensure, at a minimum, that all functions of its classroom solution are reliable and available to the schools during the Period of Prime Usage. This period is 6:00 AM to 10:00 PM, local time (i.e. Maine local time for Maine or Hawaii local time for Hawaii), Monday-Friday, excluding holidays. During this period, the required uptime is as follows:

PERIOD OF PRIME USAGE	UPTIME PERCENTAGE
7:00 AM to 3:00 PM, local time, Monday-Friday, excluding state holidays	99%
6:00 AM to 7:00 AM and 3:00 PM to 10:00 PM Monday-Friday, excluding state holidays	95%

No scheduled downtime will be allowed for the instructional technology infrastructure except (1) for scheduled preventative maintenance, or (2) with the approval of the local school coordinator for issues affecting only the local school, or (3) with the approval of the Department Agreement Administrator for system-wide outages. This infrastructure includes the wireless LAN, servers, remote access and any other vendor-installed equipment.

8.2. Device Reliability

The solution will provide device reliability and a service level that ensures no student is without a functioning device for more than one (1) school day. This may mean that different support plans need to be in place for different schools.

8.3. Response Time

The solution must provide services to all students and teachers concurrently on the wireless network with quality response time that does not hinder or impede effective instruction and learning in the classroom. This requirement includes the ability for students to browse the Internet, download files and use streaming or multi-cast video without unreasonable delay.

8.4. Business Continuity/Disaster Recovery

The Bidder will describe any program that they provide to cover replacement of the infrastructure in the event of theft or loss through a catastrophic event. A disaster recovery plan will be developed and implemented by the Provider to ensure that the school's infrastructure is restored by the start of next school day at 7 AM.

8.5. Server Failure

If the solution includes servers, then the solution must provide server redundancy or another fallback strategy in the event of server failure. This will provide continued operation of the servers in the event of server hardware or software failure.

8.6. UPS

The Provider must include necessary Uninterruptible Power Supply (UPS) capacity to those parts of the solution where a power loss could cause data loss or corruption, instability or other long-term negative effects on the solution. The solution should be able to be fully-enabled upon restoration of power without reconfiguration or significant intervention. Therefore necessary included servers and

key infrastructure devices such as switches and wireless access points shall have a UPS with capacity to allow for those devices to remain operative in the case of a power outage as necessary. This UPS should allow personnel or automated systems enough time to adequately shut down the server(s) or the infrastructure devices to avoid data loss or corruption.

8.7. Performance Metrics and Reporting

The Provider must track and record operational Performance and Quality metrics necessary to ensure the successful management of the project. Such performance metrics will be reported monthly, by school as necessary, to the Department's Agreement Administrator. The reporting will include such items as incidents, device and system failure types, downtime, repair turnaround times, trends, remediation needed, unresolved issues, recommended improvements, other factors necessary to ensure a successful project. Bidders should recommend metrics for consideration by the Department.

9. Functional and Asset Security

9.1. Wireless Security

The solution must protect against eavesdropping and unauthorized access. The solution may include encryption or other techniques to provide this assurance which the local school may turn on or off as local policy indicates. The Bidder must describe how its proposed solution will provide such protections.

9.2. Authorization Control

Security must allow access to authorized users only – to only those resources, files, applications, and services that they are authorized to use. Security will be definable by an administrator both on an individual user basis and by class of user (teachers, students, parents, administrators, etc.). Identification of a user must be unique to each individual.

Operating systems and the application software must have the ability to be restricted or locked down in an appropriate way that prevents inadvertent or deliberate changes in key settings and, thereby, reduces support requirements.

9.3. Anti-virus Protection

The solution will include reasonable and sufficient anti-virus and malware protection in the device, in any servers and in any other necessary components. Such protection must include timely updates. The Provider will eradicate viruses or related infections that infiltrate the protections provided and will assist schools in returning the devices/system to its normal, stable state. Ideally, the anti-virus protection should not noticeably degrade overall portable computing device performance.

9.4. Backups

In order to protect the solution from data loss or corruption, backup and recovery capabilities are required to permit regular, periodic backup of the storage device(s), logical drives, directories, administrative and configuration data, application software, and user files and to restore all of the above on demand. Backup protection should include any server-based parts of the solution necessary to restore the solution in the event of data loss or corruption. The ability to perform automatic scheduling of backup functions is desired. This should include automatic backup from the portable computing device to a server or some other facility on a daily basis to prevent data loss. The Bidder

must describe the capacity and features of its backup solution, and which data would be recoverable by the user, by a school administrator, or by provider.

9.5. Warranty, Insurance, Damage, and Theft

9.5.1. Warranty

Portable computing devices and included attachments (power supply, carrying case, etc.) will need to be replaced occasionally for a variety of reasons that include defects, normal wear and tear, and accidents. Defective equipment will be replaced or repaired by the Provider at no cost. Consistent with the requirements of this Section of the RFP, the Provider shall warranty against normal wear and tear and ensure the delivery of all services for the term of the agreement. Barring extraordinary circumstances such as are listed in the Force Majeure provision of the *NASPO Standard Terms and Conditions* (**see Appendix D**), the Provider will be responsible to ensure that the devices and other solution equipment are available per the specifications in the Performance and Quality provisions of this RFP. Notwithstanding the cause of any loss, the Provider must provide replacement units in a timely manner and at a reasonable cost for the term of the Agreement.

9.5.2. Insurance and Damage

The Provider shall assume the risk of loss or damage (e.g., fire, flood, theft, accident, etc.) of the equipment provided, except that each local school unit shall be responsible for any replacement or repair costs due to the negligent or intentional act of the school, a teacher, a student. In the case of individual fault, the local school unit will determine as a matter of local policy whether any or all such local costs should be borne by the individual teacher, student, or parent(s). These local costs shall not be counted as part of the direct or indirect bid price defined in **PART V PROPOSAL EVALUATION AND SELECTION**.

As part of its strategy to meet these provisions of this RFP, the Provider may elect to provide a percentage (specify) of overage or surplus stock of equipment within schools or other depot sites, or insure against all other risks of loss or damage through some other means such as commercial insurance. Regardless of the method proposed by the Bidder, the Bidder will describe how it has integrated its protection plan into its overall support plans. All costs associated with the Provider's proposed protection plan shall be counted as part of its bid price and should be incorporated into the Bidder's annual cost proposal defined in **PART V PROPOSAL EVALUATION AND SELECTION**.

9.5.3. No-Fault Protection

The Bidder must provide an optional price schedule for an “enhanced” agreement for no-fault repair and replacement that local school units may purchase at their option and at their own expense from the Provider. The cost of this enhanced, no-fault warranty will not be included in the bid price evaluation as defined in **PART V PROPOSAL EVALUATION AND SELECTION**. Bidders should recognize that this enhanced protection only needs to provide protection against categories of loss or damage that are not covered in **Section 9.5.2. Insurance and Damage**.

9.5.4. Theft Deterrent

The portable computing device provided must incorporate security features to deter theft. This

should include an unavoidable log-in or greeting, or similar process, that identifies the program and/or owner of the device. These security features must be operative regardless of the physical environment in which the portable computing devices are found. The portable computing devices proposed will be used by students and teachers in the classroom, will be transported by students and teachers between school and home, and used in the home as required. Securing the computer by physical means will not be practical as the only security measure. The Provider is encouraged to include external physical markings or property tags of some type that provide a unique, visual appearance to identify the device as part of this program. The Bidder will provide a detailed description of security features on the proposed devices to deter theft.

Each Bidder must describe here how it proposes to satisfy the requirements of this section. The Bidder's description must make clear what it will provide and what it would require of the Department and the schools.

9.5.4.1. Maine Theft/Loss data

Maine's current asset pool contains nearly 75,000 notebook computers, initially deployed to students and teachers in the fall of 2009. As of October 1, 2013, a total of 418 devices have been reported stolen or lost. This represents an average of 0.2% loss per year due to theft or loss.

9.6. Asset Management

The Provider will include an online asset management system. The asset management system should allow the Department and participating schools to view details about all assets (e.g. the portable digital device, network switches, servers, wireless access points, etc.) supplied by the Provider's solution including details such as site location, device assignment, device details and status (e.g. assigned to a user, out for repair, etc). The asset management system should allow querying and reporting capabilities. The asset management system should include necessary security precautions to insure that only authorized personnel access the information contained within the system. In addition, the asset management system should allow for multiple levels of authorized users to allow for, at the minimum, site-, district-, and state-level management. The Bidder must describe all of the data elements that will be included in the online asset management solution, and which data elements would be modifiable for each level of access to provide management functionality while maintaining data security, and which data elements would be dynamic and updated automatically.

9.6.1. Site and District Management

It is not uncommon for school districts to have more than one participating school. Each site should be able to view assets deployed to the site. In addition, schools should be able to utilize the asset manager to assign portable devices to specific students or teachers. Sites and districts should be able to perform management tasks against one, some, or all of its assigned assets. The most common task performed to some or all assets is the assignment of an asset to an individual by entering an ID or other unique identifier into a field reserved for local inventory management. The solution should include a method for a site to import data either directly from the school's student information system or from a simple data file (i.e. .txt, .csv, etc.) in order to update or overwrite site modifiable fields. Inventories will be made available to each site regarding that site's equipment at installation time as part of the installation and acceptance process.

9.6.2. Transfers

It is common for students (and even teachers) to transfer from one participating site to another. The asset management solution must provide a method to easily transfer assignments of assets

from one site to another. This method must include active acknowledgement of receipt of assets at a receiving site by an authorized user because the Department requires that districts accept certain fiscal responsibilities related to those assets it is assigned, based on the asset management data.

9.6.2.1. Maine school transfers

As a matter of practice, when students in grades 7-8 transfer between participating sites, the device follows the student. The same is true for teachers in grades 7-12 since the Department covers the annual seat cost for all 7-8 students and 7-12 teachers. However, for students at participating schools in grades K-6 and 9-12, the local school covers the annual seat cost, and as a matter of practice, when students transfer out of those schools, the school retains the device.

9.6.3. Replacements

The Department expects that for a variety of reasons, a device may require replacement. Bidders must describe how it will provide replacement devices for the term of the Agreement. Replacement devices must be the same as the original device or functionally equivalent and similar enough so that it does not interfere with the intended educational use nor any of the integrated support methods and protocols established by the Bidder to meet the requirements of this RFP.

The online asset management system must include a method that allows schools to request replacement devices. The solution must include the capacity to maintain records of these transactions and an internal workflow that provides the messaging capacity to resolve questions related to a request in order to complete a replacement request. The method must include the capacity to categorize replacement requests (i.e. stolen, dropped, liquid damaged, etc.). Newly introduced devices must be tracked in the asset management system like any other asset, and the introduction of associated device data is the responsibility of the Bidder.

9.6.4. Asset History

The online asset management system will provide a comprehensive history for each asset that includes assignment history (i.e. a device may be assigned to more than one student over the course of multiple years or may be transferred from one school to another), device data changes (i.e. in the current program, ethernet addresses (MAC) are changed when logic boards are replaced in devices. This unique address must be updated in the asset management solution), repair history, etc. The asset history for any individual asset must be easily accessible to authorized users.

9.6.5. School Information

Basic demographic information about each site must be maintained in the asset management solution. This must include contact information for key individuals at each site including but not limited to school administrators and technology administrators. This information must be easily accessible to authorized users.

9.6.6. Reporting

The online asset management system must include reporting functionality. Reports should be downloadable, and when appropriate, available in common tabular formats for reuse of the data. At the minimum, the system must include reports of asset inventory by type (user device,

network assets, etc.), contact information, asset transfers, and replacement devices. Reports must only include data viewable to the authorization level of the user, and reports must be able to be produced against a site, district, or the entire state inventory.

The intent of providing reporting to both site, districts, and the Department are to facilitate better management of the inventory of assets including trend analysis related to topics like transfers, replacements, or repairs.

The Provider should describe other functionality included in the asset management system that will facilitate successful management of the project at both a Department and site level.

10. Professional Development, Curriculum Integration, and Consultation

The Department believes that professional development for educators, education leaders, and technology support personnel are vitally important to the success of a 1:1 program as described in this RFP.

The Provider will become a partner to the Department of Education, and all professional development activities will be developed in coordination with the Department. The Provider will develop and deliver professional development materials and opportunities under the direct supervision of the Department of Education. While the Department recognizes that good teaching and learning practices exist with or without technology, it also believes that the presence of personal digital devices in classrooms and outside of classrooms necessarily changes the teaching and learning landscape. As such, the Department seeks a Provider that can support effective and innovative teaching and learning processes that without this foundation could not exist.

The MLTI has adopted and promoted two models to guide teacher practice and the integration of technology into instruction and learning. These models are Technological, Pedagogical, Content Knowledge (TPCK) by Drs. Punya Mischra and Matthew Koehler (http://www.tpck.org) and Substitution, Augmentation, Modification, Redefinition (SAMR) by Dr. Ruben Puentedura (http://www.mlti.org/samr and http://www.hippasus.com/rrpweblog/). These models should act as a guide in the development and implementation of all professional development materials and opportunities.

10.1.1. Maine Transition Support

While many of the professionals in Maine schools have many years of experience in MLTI schools, the depth of knowledge and the application of innovative practices vary greatly. Nonetheless, the Department recognizes that the next MLTI solution will require a certain level of basic training regardless of the platform or device. The Bidder must address in its proposal how it plans to transition Maine schools from the existing MLTI solution to its solution. This should include supporting teachers with the migration of files in format that have been created using software included in the current MLTI solution to compatible formats in the Bidder's solution. See **Appendix E, State Profiles – Maine** for a list of software titles included in the current MLTI solution.

10.2. Curriculum Integration Professional Development

10.2.1. Educator Professional Development

The integration of technology into teaching and learning processes remain the keystone to any 1:1 program. The Provider will develop and deliver professional development materials and opportunities for educators throughout the term of the Agreement to support the effective integration of the solution into teaching and learning. Bidders must address how it plans to provide professional development opportunities to educators throughout the State. The Department has recognized many challenges over the past decade of implementing Maine's 1:1 program and providing professional development to educators including:

- Heterogeneous skills and experience using technology among the educators. While the program has been in place for over a decade and the base skills and capacities of teachers may be stronger overall than other large populations in other places, there still exists a wide variability among them.
- The need for greater understanding of how a 1:1 program can facilitate student-centered teaching and learning. The Department recognizes that one barrier to the high-level integration of 1:1 technology is the need for greater understanding of the ways such technology can support a student-centered approach to teaching and learning.
- Many teachers have "tech skills" but lack the teaching and management skills necessary to leverage those skills. The Department recognizes that technology-use skills do not necessarily result in effective technology-empowered teaching and learning. Too often, "technology integration" is done a very basic level, leaving unrealized the potentially transformative power of a 1:1 approach.
- Lack of availability of substitute teachers limits participation. For face-to-face opportunities during the school day, the Department has found that it is difficult to host large sessions with teachers in a single school or a single region because in many areas, there are not enough substitute teachers to provide coverage while the teachers are participating in the professional development opportunity.

The Department has provided synchronous and asynchronous online professional development opportunities including online classes, webinars, and podcasts. While each has been viewed as effective for some, the Department also recognizes that like students, the learning styles and comfort of teachers is varied.

The Provider will provide an appropriate amount of educationally relevant professional development training for teachers and other school personnel as identified by the school to support the most effective use of the Provider's solution. The Bidder must describe its professional development plans to address the challenges identified by this RFP as well as anticipated challenges identified by the Bidder. Professional development plans must include enough detail to be tangible and comprehensible to the evaluation team including proposed numbers of opportunities, proposed location(s), proposed format (in-person workshop, webinar, podcast, etc), recommended length, materials included, proposed topics, proposed instructor to participant ratios, qualifications of instructors, etc.

The Bidder must separately and specifically address its first year program that will make available sufficient teacher professional development prior to the start of school year 2013-2014 to support the introduction of the Provider's solution. Training times and opportunities should be convenient to the participating personnel, and school personnel should have multiple options to signup for opportunities.

10.2.2. Leadership Professional Development

Leadership at all levels is critically important to the success of a 1:1 program. The Department

wishes to strengthen and build the capacity of its educational leaders including principals, superintendents, curriculum coordinators, technology directors, and other key personnel. Today's educational leaders need to be able to embrace technology as a tool for transforming teaching and learning, and need to lead their schools and school systems in more fully realizing that transformational power. The Department has found, however, that technology is sometimes viewed by education leaders as an extra or an add-on, rather than the transformative tool it has the potential to be. The Department recognizes training leaders to embrace and be advocates for this kind of change is a wide-ranging and open-ended challenge. Bidders must describe how it plans to address the development of this kind of leadership capacity in the schools empowered by the Bidder's solution.

Professional development plans must include enough detail to be tangible and comprehensible to the evaluation team including proposed numbers of opportunities, proposed location(s), proposed format (in-person workshop, webinar, podcast, etc), recommended length, materials included, proposed topics, proposed instructor to participant ratios, qualifications of instructors, etc.

The Bidder must separately and specifically address its first year program that will make available sufficient leadership professional development prior to the start of school year 2013-2014 to support the introduction of the Provider's solution. Training times and opportunities should be convenient to the participating personnel, and school personnel should have multiple options to signup for opportunities.

10.2.3. Technical Professional Development

The Provider will provide an appropriate amount of technical professional development to participating school and district technology support personnel. While the number of technology staff vary from school to school, the Provider should assume that each participating school has at least one assigned staff member to provide technology support. The Department assumes that over the course of the Agreement, that the technology provided in the solution and those systems, protocols, and tools necessary to support the solution will change as new versions of software are released or as upgrades or refinements are introduced. As such, the Department expects the Provider to provide technical training throughout the term of the Agreement designed to enable school and district technology support personnel to provide end-user, just-in-time, support, to troubleshoot the solution as necessary to leverage the support the Provider's solution, and to effectively manage the technical implementation challenges that are inherent in a large-scale implementation. The Bidder will describe the support and maintenance aspects of its solution in **Section 11, Support and Maintenance**.

Professional development plans must include enough detail to be tangible and comprehensible to the evaluation team including proposed numbers of opportunities, proposed location(s), proposed format (in-person workshop, webinar, podcast, etc), recommended length, materials included, proposed topics, proposed instructor to participant ratios, qualifications of instructors, etc.

The Bidder must separately and specifically address its first year program that will make available sufficient technical professional development prior to the start of school year 2013-2014 to support the introduction of the Provider's solution. Training times and opportunities should be convenient to the participating personnel, and school personnel should have multiple options to signup for opportunities.

In general, while the Department cannot require attendance of technology support personnel at

professional development opportunities, based on historical attendance, the Department expects that virtually all technology support personnel will attend opportunities provided during the normal school year. If opportunities are provided during the traditional school summer break, the Department expects that technology support personnel from smaller and more rural schools are less likely to be available due to more limited employment terms.

10.3. Ownership of Content and Curricula

All new professional development materials produced, including content and curricula, and audio/video recordings of live workshops, and provided by the Provider as a result of this RFP and the resulting Agreement, are owned by the Maine Department of Education. The Department will publish all content, curricula, and recordings under a Creative Commons Attribution license or other appropriate open license whenever possible, but reserves the right to do otherwise. The Bidder should acknowledge its understanding of this requirement and indicate its intent to comply.

11. Support and Maintenance

As part of the cost, the vendor will provide ongoing support to the schools for the duration of the agreement. Since the cost is to cover the full costs of deploying and supporting the solution, each Bidder must factor a full support package into its price. The components of such a full support package must include those components necessary to assure the Performance and Quality specifications are met continuously and that the solution is sufficiently supported at all times. The support package must include, but is not limited to: Help Desk; repair; preventative maintenance; licensing; fixes and updates for software, firmware, microcode; etc. A Bidder, depending upon its bid type, may need to include warranty, spares, and other items.

This support will include Help Desk or Support Center service available via 1-800 type access which includes staffing, tools and processes to meet the schools' support requirements including a system of dispatching, tracking, priority setting, reporting and escalation which ensure timely and satisfactory response and resolution. The Provider may also employ other communication systems for delivery of just-in-time support such as Internet audio chat, text chat, web forums, etc. School users of the Help Desk may be students, teachers, administrators, and technical coordinators. Bidders should note that technical assistance related to Internet connectivity is expected insofar as to help determine if the issue is related to the Bidder's solution or the school/home's Internet Provider. The Department expects the Provider to coordinate with the school ISPs to make support as seamless as possible. The Bidder will describe its Help Desk offering as well as its ongoing technical support provided for its proposed solution.

The Bidder will fully describe the process and plan that will be utilized whenever a break/fix event (both in-warranty and out-of-warranty) occurs within any aspect of the Provider's solution. This will cover the entire process of repairing or replacing a portable computing device or any of the solution infrastructure. The infrastructure will be defined as switches, servers, LAN devices, remote access devices or any other equipment provided by the vendor.

As part of its solution reliability strategy, the vendor may provide spare portable computing devices or other spare equipment, to be housed at the local school and configured to the school's specifications for use, while school-assigned devices/equipment are being repaired or replaced. The local quantity of spare portable computing devices should be based on the Bidder's experience with these devices in other, similar environments.

11.1. Solution Support

Each Bidder must address—at a minimum—the items above, as well as the requirements of **Section**

8, Performance and Quality, in fully describing here its proposed support program to demonstrate that its approach will provide solid, effective support for the users of the solution.

11.2. Service and Support Plan

As part of the Project Plan, the awarded Provider will provide a complete Service and Support plan. Each Bidder will acknowledge here its responsibility to do so should it become the Provider.

12. Project Management and Implementation

The Provider must ensure a successful implementation for each of the participating sites. This includes necessary site surveys, validation testing, installation and configuration of all hardware and software, training, support program implementation and any other aspects of the solution necessary. The following requirements are associated with this requirement and schedule.

12.1. Project Plan and Deliverables

The Provider will develop and implement a project plan that includes, as a minimum, the following deliverables. Failure to submit the required plan in accordance with this timetable may result in termination, liquidated damages, or delayed payment to the Provider. Each Bidder must describe its ability to meet these requirements:

12.1.1. Project Plan

The preliminary Project Plan itself will be delivered for approval not later than 30 calendar days after the Agreement is approved by the State Purchases Review Committee. Development of the plan with the Department's involvement is required. The Plan must include all aspects of the project and its deliverables, including coordination with the Department and the schools, communications and reporting, timetable, Validation Testing Subplan, Deployment Subplan, Professional Development Subplan, and the Service and Support Subplan. This Project Plan will be revised and improved periodically as needed, subject to approval by the Department.

12.1.2. Validation Testing

This will be system testing, in participating schools, that confirms that the solution meets or exceeds the functional requirements, and the performance and reliability specifications as required under the Agreement between the Provider and the Department resulting from this procurement process. This Validation Test will enable the Provider the opportunity to test its equipment in school environments and will assure the Department that the solution is acceptable for production deployment. The test will include up to five (5) schools and must be successfully completed by July 19, 2013.

12.1.3. Educational Conferences

Participation in at least twenty (20) educational conferences or meetings annually in conjunction with the Department, the intent of which is to help inform the educational community of the project plans and to maintain communication and ongoing relationships with the participating schools. These conferences may begin as early as June 2013.

12.1.4. Implementation

The Provider must successfully install, configure and test all hardware and software for each participating site. In School Year 1 this must be completed by August 23, 2013.

The Provider will install cabling for its solution and its connection to the school's local network. At the Provider's discretion, they may utilize existing cabling in the schools. If done, the Provider must agree to warranty those parts of the local infrastructure that they utilize as they would newly installed equipment. The local school will arrange for electrical work based on the Provider's specifications. Local construction, abatement and other costs are the responsibility of the school. As part of the installation, the Provider will provide an overview to the local technical coordinator of the resulting network and train the person(s) in the basics of system/network operation and support.

Each school installation will include provision of complete, current documentation necessary for effective and successful use of the solution by people such as system administrators, site support personnel, and teachers. This may include manuals, guides, quick reference materials and other documentation. Electronic versions are required. Each Bidder will describe what documentation they will provide and how they will provide it in order to be effective.

Each installation will include establishment of a site work completion and satisfaction sign-off form. The Provider's equipment and work at each site will not be considered complete nor will it be paid for until satisfaction sign-offs are obtained from both the responsible site person and the Department's Agreement administrator.

12.1.4.1. Maine Implementation

Note that certain schools in Maine begin the school year in early August, and therefore those schools should have equipment installed and tested no later than July 26, 2013.

12.1.4.2. Hawaii Implementation

Note that nearly all schools in Hawaii begin the school year in late July, and therefore it would be preferable if those schools would have equipment installed and tested no later than June 26, 2013.

12.1.4.3. Vermont Implementation

Note that certain schools in Vermont begin the school year in early to mid-August, and therefore those schools should have equipment installed and tested no later than June 26, 2013.

12.1.5. Professional Development

Professional development for the solution must be provided for the participating schools' teachers, leadership, and technical support personnel as addressed in **Section 10, Professional Development, Curriculum Integration, and Consultation** of this RFP. Bidder will include a professional development subplan as part of the Project Plan.

12.1.6. Support and Service

The Provider will deliver ongoing technical support to the schools (on site and remote) for the period of the contract for the Provider's solution and its integration into the schools' academic program.

12.1.7. Timeline

The Bidder will propose a timeline, consistent with the RFP requirements, that it will commit to for the implementation process, commencing from approval of the Agreement to completion of the first year implementation. The timeline should include all major phases and milestones.

12.1.8. Project Staffing

An in-State experienced, qualified, and effective project team will be identified and provided, subject to approval by the Department's Agreement administrator. The Bidder will provide a description of its project staffing plan for all phases and tasks. Identify each senior staff member and complete for each the form in Appendix G in order to demonstrate your staff's experience with projects similar to this one. At a minimum, the Provider will maintain an in-State team for the length of the project made up of a Project Manager, Educational Specialist, Professional Development Specialists, and Technical Engineers sufficient to implement and support the program.

12.1.9. Coordination with Schools

The Provider will work with the Department and each school and its principal or principal designee to determine via any necessary site surveys the local requirements necessary to implement the solution as well as any local change requirements and costs, and will coordinate the installation of its solution with each school's changes. These local change requirements would include not only the basic solution but also any additions or adaptations that a school elects to implement at its own local cost (e.g., switches, hubs, software, hardware, adaptive devices). The Provider must accommodate school schedules and needs, even if this requires some alteration of the Provider's customary schedule. Such accommodation must not include any additional, premium or overtime charges.

12.1.10. Work Within Schools

Each Bidder will succinctly describe the basic physical characteristics of the proposed equipment including dimensions, weights, electrical, HVAC and any other specifications vital to know. All required cables, wires, mounts and connectors will be specified by the Bidder.

All cabling, wiring, connectors and mounts will be installed in a manner which results in safe and secure facilities. No hazards will be created; any identified hazard will be pointed out to appropriate site or Department personnel. Installations must be performed in a manner which does not harm or diminish local site designs, structural integrity or – to the extent feasible – cosmetics. Installations will meet all prevailing local codes and governing body codes as well as IEEE, TIA/EIA and ISO/IEC standards for cabling and wiring.

- **IEEE** - Institute of Electrical and Electronic Engineers
- **TIA/EIA** - Telecommunications Industry Association/Electronic Industry Association
- **ISO/EIC** - International Organization for Standardization/Equipment Installer's Code

12.1.11. Change Control

A change control process will be utilized. The Provider must ensure that system and site changes are implemented effectively, reasonably, are documented and scheduled — and must ensure good communication with those affected by the changes, both before and after the change.

12.1.12. Project Management Reporting

The Provider will submit on the last working day of each month a detailed monthly progress report to the Department's Project Manager, starting with the first month of the Agreement. Among other things, this report must include a monthly summary of the performance metrics specified earlier. The Provider may be requested to supply additional information as warranted.

12.1.13. Ongoing Improvements

Since the Department is vitally interested in investing in solutions which have long-life and upgradeability to provide continuing and enhanced capabilities over time, including migration to evolving standards, each Bidder must describe its solution's ability to adapt to or to incorporate improved technology. Fully describe how you would identify progressions in technology and integrate them into products previously installed at customer sites. Examples might be incorporation of an emerging wireless standard or upgrades to the core operating system and application software.

The Department is seeking a solution that adheres to industry standards and open systems architectures as versus proprietary solutions. Each Bidder must identify whether its solution includes proprietary aspects and, if it does, will provide in its proposal a schedule and a plan to the Department for the Provider's migration to industry standards - or state that it intends to continue pursuing its proprietary approach.

PART III KEY RFP EVENTS

A. Timeline of Key RFP Events

Event Name	Event Date and Time
Bidders' Conference	November 29, 2012 at 10:00am, local time
Due Date for Receipt of Written Questions	December 12, 2012 at 5:00pm, local time
Due Date for Receipt of Proposals	January 11, 2013 at 2:00pm, local time
Oral Presentations	January 23-25, 2013 (time to be determined)
Contract Award Announcements	January 30, 2013

Please note: the aforementioned dates are subject to change.

B. Bidders' Conference

The Sourcing Team will sponsor a Bidders' Conference concerning this RFP beginning at the date and time shown in the timeline above. The Bidders' Conference will be held on the campus of Bowdoin College in Brunswick, Maine, in Daggett Lounge of Thorne Hall. Maps of the Bowdoin College campus can be found at the following web address: http://www.bowdoin.edu/about/campus/maps. All attendees are encouraged to give themselves adequate time to navigate the campus and locate the Bidders' Conference location.

The purpose of the Bidders' Conference is to answer and/or field questions, clarify for potential Bidders any aspect of the RFP requirements as needed, and provide supplemental information to assist potential Bidders in submitting responses to the RFP. Although attendance at the Bidders' Conference is not mandatory, it is *strongly encouraged* that interested Bidders attend.

C. Questions

1. **General Instructions**
   a. It is the responsibility of each Bidder to examine the entire RFP and to seek clarification in writing if the Bidder does not understand any information or instructions.
   b. Questions regarding the RFP must be submitted in writing and received by the RFP Coordinator listed on the cover page of this RFP document as soon as possible but no later than the date and time specified in the timeline above.
   c. Questions may be submitted by e-mail or in hardcopy via regular mail. The Sourcing Team assumes no liability for assuring accurate/complete e-mail or mail transmission and receipt.
   d. Include a heading with the RFP Number and Title. Be sure to refer to the page number and paragraph within this RFP relevant to the question presented for clarification, if applicable.

2. **Summary of Questions and Answers**
   Responses to all substantive and relevant questions will be compiled in writing and posted at http://www.maine.gov/mlti/rfp no later than seven (7) calendar days prior to the proposal due date. It is the responsibility of the bidder to monitor the web site for responses to written questions. Only those answers issued in writing by the RFP Coordinator will be considered binding. The Department reserves the right to answer or not answer any question received.

D. Submitting the Proposal

1. **Proposals due:** Proposals must be received no later than **2:00 p.m. local time**, on the date listed in the timeline above, at which point they will be opened. Proposals received after the 2:00 p.m. deadline will be rejected without exception.

2. Mailing/Delivery Instructions

PLEASE NOTE: The proposals are not to be submitted to the RFP Coordinator. The official delivery site is the State of Maine Division of Purchases (address shown below).

a. Only proposals received at the official delivery site prior to the stated deadline will be considered. Bidders submitting proposals are responsible for allowing adequate time for delivery. Proposals received after the 2:00 p.m. deadline will be rejected without exception. Postmarks do not count and fax or electronic mail transmissions of proposals are not permitted unless expressly stated in this RFP. Any method of hardcopy delivery is acceptable, such as US Mail, in-person delivery by Bidder, or use of private courier services.
b. The Bidder must send its proposal in a sealed package including **one signed original and seven copies** of the complete proposal. Please clearly label the original. One electronic copy of the proposal must also be provided on CD or flash drive with the complete narrative and attachments in MS Word format (.doc/.docx). Any attachments that cannot be submitted in MS Word format may be submitted as Adobe (.pdf) files. Ideally, proposals should be provided in a single searchable data file.
c. The Bidder's one allowed "Alternate Proposal", if submitted, should be submitted in a separate, sealed package, but otherwise follow all of the same guidelines provided above in (b) and **Part I, Section C Eligibility to Submit Porposals and Alternate Proposals**.
d. Address each package as follows (and be sure to include the Bidder's full business name and address as well as the RFP number and title):

Bidder Name/Return Address
State of Maine Division of Purchases Burton M. Cross Building, 4th Floor 111 Sewall Street 9 State House Station Augusta, ME 04333-0009 Re: RFP # 201210412

PART IV PROPOSAL SUBMISSION REQUIREMENTS

This section contains instructions for Bidders to use in preparing their proposals. The Bidder's proposal must follow the outline used below, including the numbering and section and sub-section headings as they appear here. Failure to use the outline specified in this section or to respond to all questions and instructions throughout this document may result in the proposal being disqualified as non-responsive or receiving a reduced score. The Sourcing Team for this RFP has sole discretion to determine whether a variance from the RFP specifications should result in either disqualification or reduction in scoring of a proposal. Rephrasing of the content provided in this RFP will, at best, be considered minimally responsive. The Sourcing Team seeks **detailed yet succinct** responses that demonstrate the Bidder's experience and ability to perform the requirements specified throughout this document.

A. Proposal Format

1. For clarity, the proposal should be typed or printed. Proposals should be single-spaced with 1" margins on white 8 ½" x 11" paper using a font no smaller than 12 point Times New Roman or similar.
2. All pages should be numbered consecutively beginning with number 1 on the first page of the narrative (this does not include the cover page or table of contents pages) through to the end, including all forms and attachments. For clarity, the Bidder's name should appear on every page, including Attachments. Each Attachment must reference the section or subsection number to which it corresponds.
3. Bidders are asked to be brief and to respond to each question and instruction listed in the "Proposal Submission Requirements" section of this RFP. Number each response in the proposal to correspond to the relevant question or instruction of the RFP, and for ease of reference, please copy the relevant question on instruction prior to the Bidder's response.
4. The Bidder may not provide additional attachments beyond those specified in the RFP for the purpose of extending their response. Bidders shall not include brochures or other promotional material with their proposals. Additional materials will not be considered part of the proposal and will not be evaluated.
5. Include any forms provided in the application package or reproduce those forms as closely as possible. All information should be presented in the same order and format as described in the RFP.
6. It is the responsibility of the Bidder to provide all information requested in the RFP package at the time of submission. Failure to provide information requested in this RFP may, at the discretion of the Sourcing Team, result in a lower rating for the incomplete sections and may result in the proposal being disqualified for consideration.
7. Bidders should complete and submit the proposal cover page provided in Appendix A of this RFP and provide it with the Bidder's proposal. The cover page must be the first page of the proposal package. It is important that the cover page show the specific information requested, including Bidder address(es) and other details listed. The proposal cover page shall be dated and signed by a person authorized to enter into contracts on behalf of the Bidder.

B. Proposal Contents

1.1.1. Section I Organization Qualifications and Experience

1. **Description of the Organization**
   Present a detailed statement of qualifications and summary of relevant experience. If subcontractors are to be used, provide a list that specifies the name, address, phone number, contact person, and a brief description of the subcontractors' organizational capacity and qualifications.

2. **Organizational Description and Qualifications**
   a. List the location of the Bidder's corporate headquarters. Also, describe the current or proposed location where services will be provided or from which the contract will be managed.

b. Attach documentation of any applicable licensure requirements (or any specific credentials required).
c. Attach a certificate of insurance on a standard Acord form (or the equivalent) evidencing the Bidder's general liability, professional liability, and any other relevant liability insurance policies that might be associated with this contract.

3. Organizational Experience

Briefly describe the history of the Bidder's organization, especially regarding skills pertinent to the specific work required by the RFP and any special or unique characteristics of the organization which would make it especially qualified to perform the required work activities. Include similar information for any subcontractors.

4. Description of Experience with Similar Projects

a. Provide a description of five projects that occurred within the past five years which reflect experience and expertise needed in performing the functions described in the "Scope of Services" portion of this RFP. For each of the five examples provided, a contact person from the client organization involved should be listed, along with that person's telephone number and email address. Please note that contract history with the any states on the Sourcing Team, whether positive or negative, may be considered in rating proposals even if not provided by the Bidder.
b. If the Bidder has not provided similar services, note this, and describe experience with projects that highlight the Bidder's general capabilities.

1.1.2. Section II Specifications of Work to be Performed

1. Services to be Provided

Discuss in detail the Scope of Services referenced above in this RFP and what the Bidder will offer. Give particular attention to describing the methods and resources you will use and how you will accomplish the tasks involved. If subcontractors are involved, clearly identify the work each will perform.

1.1.3. Section III Cost Proposal

1. General Instructions

a. The Bidder must submit a cost proposal that covers the entire period of the contract, including any optional renewal periods.
b. The cost proposal shall include the costs necessary for the Bidder to fully comply with the contract terms and conditions and RFP requirements.
c. Failure to provide the requested information and to follow the required cost proposal format provided in Appendix B may result in the exclusion of the proposal from consideration, at the discretion of the Sourcing Team.
d. No costs related to the preparation of the proposal for this RFP or to the negotiation of the contract with the Sourcing Team may be included in the proposal. Only costs to be incurred after the contract effective date that are specifically related to the implementation or operation of contracted services may be included.

1.1.4. Section IV Economic Impact

In addition to all other information requested within this RFP, each Bidder must dedicate a section of its proposal to describing the Bidder's economic impact upon any state that chooses to participate under this program. The use of economic impact in making contract award decisions is required in accordance with

State of Maine Executive Order 2012-004, which states that certain service contracts "…advertised for competitive bid shall include scoring criteria evaluating the responding Bidder's economic impact..." Although the Executive Order is specific to the State of Maine, the Bidder's economic impact information should be applicable to any state that chooses to participate in this program (whether it be Maine, or a different state).

For the purposes of this RFP, the term "economic impact" shall be defined as any activity that is directly performed by or related to the Bidder and has a direct and positive impact on the economy and public revenues within any state that chooses to participate under this program. Examples may include, but are not limited to, employment of the subject state's residents, subcontracting/partnering with the subject state's businesses, payment of state and local taxes (such as corporate, sales, or property taxes), and the payment of state licensing fees for the Bidder's business operations.

To complete the "economic impact" section of the Bidder's proposal, the Bidder shall include no more than one page of typed text, describing the Bidder's current, recent, or projected economic impact, as defined above. The Bidder may include all details and information that it finds to be most relevant for this section.

PART V PROPOSAL EVALUATION AND SELECTION

Evaluation of the submitted proposals shall be accomplished as follows:

A. Evaluation Process - General Information

1. A Sourcing Team, comprised of qualified reviewers from multiple states, will judge the merits of the proposals received in accordance with the criteria defined in the RFP, and in accordance with the most advantageous cost and economic impact considerations (where applicable) for the participating states.

2. The Sourcing Team reserves the right to communicate and/or schedule interviews/presentations with Bidders if needed to obtain clarification of information contained in the proposals received, and the Sourcing Team may revise the scores assigned in the initial evaluation to reflect those communications and/or interviews/presentations. Interviews/presentations are not required, and changes to proposals will not be permitted during any interview/presentation process. Therefore, Bidders should submit proposals that present their costs and other requested information as clearly and completely as possible.

B. Scoring Weights and Process

1. **Scoring Weights:** The score will be based on a 100 point scale and will measure the degree to which each proposal meets the following criteria.

   Section I. Organization Qualifications and Experience (15 points)
   Includes all elements addressed above in Part IV, Section I.

   Section II. Specifications of Work to be Performed (55 points)
   Includes all elements addressed above in Part IV, Section II.

   Section III. Cost Proposal (25 points)
   Includes all elements addressed above in Part IV, Section III.

   Section IV. Economic Impact (5 points)
   Includes all elements addressed above in Part IV, Section IV.

2. **Scoring Process:** The Sourcing Team will use a consensus approach to evaluate the bids. Members of the Sourcing Team will not score the proposals individually but instead will arrive at a consensus as to assignment of points on each category of each proposal. The contract award(s) will be made to the Bidder(s) receiving the highest number of evaluation points, based upon the proposals' satisfaction of the criteria established in the RFP. The Economic Impact section will also be scored using a consensus approach, with the highest number of evaluation points being assigned to the Bidder(s) with the most economic impact, actual or feasible, as determined by the Evaluation Team. Cost section will be scored according to a mathematical formula described below.

3. **Scoring the Cost Proposal:** The costs proposed for conducting all the functions specified in this RFP will be assigned a score according to a mathematical formula. Costs will be evaluated individually for each "tier" proposed. The lowest-priced bid will be awarded 25 points. Proposals with higher bids values will be awarded proportionately fewer points calculated in comparison with the lowest-priced bid.

   The scoring formula is:

(lowest submitted cost proposal / cost being scored) x 25 = pro-rated score

No Best and Final Offers: The Sourcing Team will not seek a best and final offer (BAFO) from any Bidder in this procurement process. All Bidders are expected to provide their best value pricing with the submission of their proposal.

4. Negotiations

The Sourcing Team reserves the right to negotiate with the successful Bidder(s). Such negotiations may not significantly vary the content, nature or requirements of the proposal or the Sourcing Team's Request for Proposals. In the event that an acceptable contract cannot be negotiated with the highest ranked Bidder, the Sourcing Team may withdraw its award and negotiate with the next-highest ranked Bidder. Alternatively, the Sourcing Team may cancel the RFP, at its sole discretion.

C. Selection and Award

1. The final decision regarding the award of the Master Price Agreements will be made by the Sourcing Team, and the award of Participating Addenda will be made by each participating state, independently.
2. Notification of the contract awards will be made in writing.
3. Issuance of this RFP in no way constitutes a commitment by the Sourcing Team or any state to award a contract.
4. The Sourcing Team reserves the right to reject any and all proposals or to make multiple awards.

D. Appeal of Contract Awards

Any person aggrieved by the award decision that results from this RFP may appeal the decision to the State of Maine Director of the Bureau of General Services in the manner prescribed in 5 MRSA § 1825-E and 18-554 Code of Maine Rules, Chapter 120 (found here: http://www.maine.gov/purchases/policies/120.shtml). The appeal must be in writing and filed with the State of Maine Director of the Bureau of General Services, 9 State House Station, Augusta, Maine, 04333-0009 within 15 calendar days of receipt of notification of contract award.

This RFP is expected to result in the creation of a pre-qualified list of vendors. The appeal procedures mentioned above are available upon the original determination of that pre-qualified list, but not during subsequent participating state selections involving only the pre-qualified list vendors.

PART VI CONTRACT ADMINISTRATION AND CONDITIONS

Contract Document

1. The successful Bidder(s) will be required to execute a contract in the form of a NASPO Master Price Agreement. A copy of the standard terms and conditions that make up a Master Price Agreement are provided as Appendix D.

   As noted above, after a successful Bidder is pre-qualified and signs a Master Price Agreement, then it will be eligible to sign Participating Addenda with interested states. The terms and conditions that make up a Participating Addendum will be made up of that state's standard contract language, but will vary from state to state.

2. The Sourcing Team estimates having Master Price Agreements in place in January 2013. The Sourcing Team recognizes, however, that the actual contract effective date depends upon completion of the RFP process, date of formal award notification, length of contract negotiation, and preparation and approval by internal state approval bodies. Any appeals to the award decision(s) may further postpone the actual contract effective date, depending upon the outcome. The contract effective date may need to be adjusted, if necessary, to comply with mandated requirements.

4. In providing services and performing under the contract, the successful Bidder shall act independently and not as an agent of the Sourcing Team or the participating state(s).

Standard Agreement Provisions

1. Payments and Other Provisions
   The payment terms under this program will be determined upon the formation of the Participating Addenda with individual, participating states. An invoice will be considered accurate and acceptable if it contains all of the requirements specified by the participating state, which may include but is not limited to: a reference to the state's contract number, contains correct pricing information relative to the contract, receipt of satisfactory deliverables, and provides any required supporting documents, as applicable, and any other specific requirements listed within this RFP.

PART VII LIST OF RFP APPENDICES AND RELATED DOCUMENTS

1. Appendix A –Proposal Cover Page
2. Appendix B – Cost Proposal Form
3. Appendix C – Participant Tier Structure (to be used for determining Bidder Costs)
4. Appendix D – NASPO Standard Terms and Conditions
5. Appendix E – State Profiles showing current "readiness" for program implementation within certain example states.
6. Appendix F – Letter from Microsoft specifying discounts that can be applied to any proposal that offers Microsoft applications as part of the Bidder's proposed response.
7. Appendix G – Additional Forms

Appendix A

State of Maine Department of Education
in coordination with the
National Association of State Procurement Officials

PROPOSAL COVER PAGE

RFP # 201210412
MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

Bidder's Organization Name:		
Chief Executive - Name/Title:		
Tel:	Fax:	E-mail:
Headquarters Street Address:		
Headquarters City/State/Zip:		
(provide information requested below if different from above)		
Lead Point of Contact for Proposal - Name/Title:		
Tel:	Fax:	E-mail:
Street Address:		
City/State/Zip:		

Proposed Cost:	
The proposed cost listed above is for reference purposes only, not evaluation purposes. In the event that the cost noted above does not match the Bidder's detailed cost proposal documents, then the information on the cost proposal documents will take precedence.	

- This proposal and the pricing structure contained herein will remain firm for a period of 180 days from the date and time of the bid opening.
- No personnel on the multi-state Sourcing Team or any other involved state agency participated, either directly or indirectly, in any activities relating to the preparation of the Bidder's proposal.
- No attempt has been made or will be made by the Bidder to induce any other person or firm to submit or not to submit a proposal.
- The undersigned is authorized to enter into contractual obligations on behalf of the above-named organization.

To the best of my knowledge all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.

Authorized Signature Date Name and Title (Typed)

Appendix B

State of Maine Department of Education

in coordination with the

National Association of State Procurement Officials

COST PROPOSAL FORM

RFP # 201210412
MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

Instructions: Bidders must complete the form below in order to have their proposals considered in this procurement process.

Bidder's Organization Name: _____

Please Note:

- The participating states and entities involved with this procurement process recognize that costs can vary in accordance with the "commitment" and "readiness" of individual participating entities that are interested in implementing this learning technology program. With that in mind, Bidders are asked to submit tiered pricing, as indicated below. The structure that determines a participant's "tier" is shown on Appendix C.

- Costs for equipping students/teachers with learning technology and associated services must be proposed on a per-seat basis, as shown in Table 1, below.

- It is anticipated that total per-seat participation in this multi-state program will increase throughout the duration of the contracts that result from this RFP. Participating entities seek a discount of the pricing proposed by interested Bidders in Table 1 for every increase of 500,000 seats.

- Costs for setting up a wireless network within a participating school must also be provided on a per-seat basis, but these network costs must be provided separately, on Table 3, below. A state's aforementioned "tier" is irrelevant to its need for a wireless network to support this program, so only one cost figure is required, which would be applicable for all participating entities (on a per-seat basis).

- Table 4 has been provided for Bidders to list "optional features" that has been specified within the RFP (for example, optional "no fault" insurance coverage or Section 6.7).

COST PROPOSAL FORM

RFP # 201210412
MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

Table 1 – Student/Teacher Learning Technology Solution Costs

Cost proposed per-seat for **Tier 1** participants:	$
Cost proposed per-seat for **Tier 2** participants:	$
Cost proposed per-seat for **Tier 3** participants:	$

Table 2 – Volume Discount Factor

Percentage discount proposed to Table 1 prices for every 500,000 seats of increased participation:	%

Table 3 – School Wireless Network Costs

Cost proposed per-seat for all participants:	$

Table 4 – Optional Features

[insert as needed]	$
	$
	$
	$

Appendix C

State of Maine Department of Education

in coordination with the

National Association of State Procurement Officials

PARTICIPANT TIER STRUCTURE

RFP # 201210412
MULTI-STATE LEARNING TECHNOLOGY INITIATIVE

Please Note: As indicated on Appendix B, the participating states and entities involved with this procurement process recognize that costs can vary in accordance with the "commitment" and "readiness" of individual participating entities that are interested in implementing this learning technology program. With that in mind, Bidders have been asked (on Appendix B) to submit tiered pricing. The structure that determines a participant's "tier" is shown below. This information should be used by interested Bidders to best provide pricing in accordance with the tables shown on Appendix B.

Factors that determine Tier 1 status:

1) Pre-existing statewide program
2) Legislative support for the program to be state-led
3) Funding from the state to ensure participation
4) State team dedicated to supporting implementation
5) State will act as purchasing aggregator
6) State or Regional Broadband network in place

Factors that determine Tier 2 status:

1) State team dedicated to supporting implementation
2) State will act as purchasing aggregator

Factors that determine Tier 3 status:

1) Participants that are not covers by Tier 1 or Tier 2 criteria

Appendix D

NASPO Standard Terms and Conditions

PARTICIPANTS: The National Association of State Procurement Officials ("NASPO") is a national association of Chief Procurement Officers that has established a procurement cooperative for state government departments, institutions and political subdivisions (i.e., colleges, school districts, counties, cities, etc.) for the NASPO Member States and territories of the United States.

The Western States Contracting Alliance (WSCA) is fifteen members of NASPO who have focused on creating and managing multi-state cooperative contracts since 1993.

Obligations under contracts that result from this cooperative procurement are limited to those states and other eligible purchasing entities that execute a Participating Addendum.

Financial obligations of Participating States are limited to the orders placed by the departments or other state agencies and institutions having available funds.
Participating States incur no financial obligations on behalf of political subdivisions. Unless otherwise specified in the solicitation, the resulting master price
agreement(s) will be permissive.

DEFINITIONS:
"Lead State" means the State conducting this cooperative solicitation and centrally administering any resulting master price agreement.

"Master Price Agreement" means this cooperative solicitation and contract, between the designated Lead State and the awarded contractors.

"Offer" or **"Bid"** or **"Proposal"** refers to the offer submitted in response to a solicitation, whether denominated as an invitation to bid, invitation for bid, request for proposal, or otherwise. **"Bidder"** or **"Offeror"** similarly refers to the person, company, or other entity submitting the bid or proposal that constitutes an offer capable of acceptance, regardless of the solicitation method used.

"Permissive Price Agreement" means that placement of orders through the price agreement is discretionary with Purchasing Entities. They may satisfy their requirements through the master price agreement without using statutory or regulatory procedures (e.g. invitations for bids) to solicit competitive bids or proposals. Purchasing Entities may, however, satisfy requirements without using the master price agreement so long as applicable procurement statutes and rules are followed.

"Participating Addendum" means a bilateral agreement executed by a contractor and a Participating State (or a governmental entity/political subdivision with the consent of its state's chief procurement officer) that clarifies the operation of the master price agreement for the State concerned, e.g. ordering procedures specific to a State, and may add other state-specific language or other requirements.

"Participating State (Entity)" means a state (or entity (not a state), with the prior approval of its state chief procurement official) that has executed a Participating Addendum as required by this Master Price Agreement.

"Purchasing Entity" means a Participating State, or other legal entity, properly authorized by a Participating

State to enter into a contract for the purchase of goods and/or services described in the cooperative procurement. Unless otherwise limited in the cooperative procurement or in a Participating Addendum, political subdivisions of Participating States are deemed Purchasing Entities.

REPORTING AND ADMIN FEES

A. Reporting and Administrative Fees

1. The Contractor agrees to provide quarterly utilization reports to NASPO or WSCA and the Lead State Contract Administrator by the 15th of the month following the end of the previous quarter. (Ex. Purchases during January are reported by the 15th of April). The report shall be in the format developed by the Lead State and supplied to the Contractor prior to or upon execution of the Contract.

2. The Contractor agrees to provide quarterly Administrative Fee check payable to NASPO for an amount equal to one-half of one percent (0.005) of the net sales for the period. The form to be submitted with the check, as well as the mailing

address, will be supplied to the Contractor after the execution of the Contract. Payment shall be made in accordance with the following schedule:

Period End	Payment & Report Due
June 30	July 31
September 30	October 31
December 31	January 31
March 31	April 30

3. The Contractor agrees to include data from all Reseller/Distributor/VAR/Agent sales in the monthly utilization reports described above.

4. The utilization reports shall be submitted to the Lead State Contract Administrator via electronic mail in a Microsoft Excel spreadsheet format, or other methods such as direct access to Internet or other databases.

5. If requested by the Lead State Contract Administrator, the Contractor agrees to provide supporting Purchase Order detail records on mutually agreed media in a mutually agreed format.

6. The failure to file the utilization reports and fees on a timely basis shall constitute grounds for the removal of the Contractor's primary representative, suspension of this Agreement or termination of this Agreement for cause.

7. The NASPO, WSCA and the Lead State Contract Administrator shall be allowed access to all reports from all Purchasing Entities.

B. Participating Entity Reports and Fees

1. Participating Entities may require an additional fee be paid directly to the State on purchases made by Purchasing Entities within that State. For all such requests, the fee level, payment method and schedule for such reports and payments shall be incorporated in to the Participating Addendum that is made a part of this Agreement. The Contractor may adjust pricing accordingly for purchases made by Purchasing Entities within the jurisdiction of that State. All such agreements shall have no affect whatsoever on the NASPO

administrative fee or the prices paid by the Purchasing Entities outside the jurisdiction of the State requesting the additional fee.

2. Purchasing Entities will be encouraged to use the reporting format developed by the Lead State for their reporting needs. However, the Contractor agrees to provide additional reports to Purchasing Entities upon agreement by both parties as to the content and delivery methods of the report. Methods of delivery may include direct access to Internet or other databases.

3. Each State Purchasing Entity shall be allowed access to reports from all entities within that State.

QUANTITY ESTIMATES: Estimated quantities are informational and not to be construed as a warranty of accuracy of historical or anticipated volumes or a guarantee to purchase any amount.

SPECIFICATIONS: Any deviation from specifications must be clearly indicated by offeror, otherwise, it will be considered that the proposal is in strict compliance. When BRAND NAMES or manufacturers' numbers are stated in the specifications they are intended to establish a standard only and are not restrictive unless the solicitation says "no substitute." Offers will be considered on other makes, models or brands having comparable quality, style, workmanship and performance characteristics. Alternate proposals offering lower quality or inferior performance will not be considered.

ACCEPTANCE OR REJECTION OF BIDS AND PROPOSALS: The Lead State reserves the right to accept or reject any or all bids or proposals, or parts of bids or proposals, and to waive informalities therein.

SAMPLES: Generally, when required, samples will be specifically requested in the solicitation. Samples, when required, are to be furnished free of charge. Except for those samples destroyed or mutilated during testing, samples will be returned at an offeror's request, transportation collect.

CASH DISCOUNT TERMS: Offeror may quote a cash discount based upon early payment; however discounts offered for less than 30 days will not be considered in making the award. The date from which discount time is calculated shall be the date a correct invoice is received or receipt of shipment, whichever is later; except that if testing is performed, the date shall be the date of acceptance of the merchandise.

TAXES: Offered prices shall be exclusive of state sales and federal excise taxes. Where the state government entities are not exempt from sales taxes on sales within their state, the contractor shall add the sales taxes on the billing invoice as a separate entry.

MODIFICATION OR WITHDRAWAL OF BIDS AND PROPOSALS: Bids and proposals may be modified or withdrawn prior to the time set for receipt of bids or proposals. After the time set for receipt of bids or proposals, no proposal may be modified or withdrawn.

PATENTS, COPYRIGHTS, ETC: The Contractor shall release, defend, indemnify, and hold harmless NASPO, the Participating States, and the Purchasing Entities, as well as the officers, agents and employees of NASPO, the Participating States and the Purchasing Entities, from liability of any kind or nature, including the Contractor's use of any copyrighted or uncopyrighted composition, process, patented or unpatented invention, article or appliance furnished or used in performance of this contract.

AWARD: Multiple master price agreements may be awarded as a result of this solicitation. Awards in requests for proposals (competitive sealed proposals) shall be made to the responsible offeror(s) whose proposals are determined to the most advantageous to the Participating States, taking into consideration price and the other evaluation factors set forth in the solicitation. Unless otherwise stated in the solicitation, an award in a solicitation denominated as an invitation to bid will be made to the lowest responsive and responsible Bidder(s)

meeting specifications and all bid terms and conditions. The Participating States reserve the right to award items separately or by grouping items, or by total lot.

NON-COLLUSION: By signing the proposal the offeror certifies that the proposal submitted, has been arrived at independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the solicitation, designed to limit independent bidding or competition.

TERMINATION: Unless otherwise stated in the solicitation, any master price agreement entered into as a result of this solicitation may be terminated by either party upon 60-days notice, in writing, prior to the effective date of the termination. Further, any Participating State may terminate its participation upon 30-days written notice, unless otherwise limited or stated in the special terms and conditions of the solicitation. Any termination under this provision shall not effect the rights and obligations attending orders outstanding at the time of cancellation, including any right of any Purchasing Entity to indemnification by the Contractor, rights of payment for goods/services delivered and accepted, and rights attending any warranty or default in performance in association with any order.

A. Any of the following shall constitute cause to declare the master price agreement or any order under this master price agreement in default:

DEFAULT AND REMEDIES:

(1) Nonperformance of contractual requirements; or
(2) A material breach of any term or condition of this master price agreement.

B. A written notice of default, and an opportunity to cure, shall be issued by the party claiming default, whether the Lead State (in the case of breach of the master price agreement), a Participating State (in the case of a breach of the Participating Addendum), the Purchasing Entity (with respect to any order), or the Contractor. Time allowed for cure shall not diminish or eliminate any liability for liquidated or other damages.

C. If the default remains after the opportunity for cure, the non-defaulting party may:

(1) Exercise any remedy provided by law or equity;
(2) Terminate the master price agreement or any portion thereof, including any orders issued against the master price agreement;
(3) Impose liquidated damages, as specified in the solicitation or master price agreement;
(4) In the case of default by the contractor, and to the extent permitted by the law of the Participating State or Purchasing Entity, suspend contractor from receiving future solicitations.

LAWS AND REGULATIONS: Any and all supplies, services and equipment offered and furnished shall comply fully with all applicable Federal and State laws and regulations.

CONFLICT OF TERMS: In the event of any conflict between these standard terms and conditions and any special terms and conditions in the solicitation, the special terms and conditions shall govern.

REPORTS: The contractor shall submit quarterly reports to the Lead State contract administrator, and upon request to any Participating State, showing the quantities and dollar volume of purchases by each Purchasing Entity.

HOLD HARMLESS: The contractor shall release, defend, indemnify and hold harmless NASPO, the Participating States, and the Purchasing Entities, as well as the officers, agents and employees of NASPO, the Participating States and the Purchasing Entities, from and against any damage, cost or liability, including reasonable attorneys fees for any or all injuries to persons, property or claims for money damages arising from acts or omissions of the contractor, its employees or subcontractors or volunteers.

ORDER NUMBERS: Master price agreement numbers and purchase order numbers shall be clearly shown on all acknowledgments, shipping labels, packing slips, invoices, and on all correspondence.

GOVERNING LAW AND VENUE: This procurement shall be governed and the resulting master price agreement construed in accordance with the laws of the Lead State. The construction and effect of any Participating Addendum or order against the master price agreement shall be governed by and construed in accordance with the laws of the Purchasing Entity's State. Venue for any claim, dispute or action concerning the construction and effect of the master price agreement shall be in the Lead State. Venue for any claim, dispute or action concerning an order placed against the master price agreement or the effect of a Participating Addendum shall be in the Purchasing Entity's State.

DELIVERY: The prices offered shall be the delivered price to any NASPO state agency or purchasing entity. All deliveries shall be F.O.B. destination with all transportation and handling charges paid by the contractor. Responsibility and liability for loss or damage shall remain the Contractor until final inspection and acceptance when responsibility shall pass to the Purchasing Entity except as to latent defects, fraud and Contractor's warranty obligations. The minimum shipment amount will be found in the special terms and conditions. Any order for less than the specified amount is to be shipped with the freight prepaid and added as a separate item on the invoice. Any portion of an order to be shipped without transportation charges that is back ordered shall be shipped without charge.

WARRANTY: The contractor acknowledges that the Uniform Commercial Code applies to this master price agreement. In general, the contractor warrants that: (a) the product will do what the salesperson said it would do, (b) the product will live up to all specific claims that the manufacturer makes in their advertisements, (c) the product will be suitable for the ordinary purposes for which such product is used, (d) the product will be suitable for any special purposes that the Purchasing Entity has relied on the contractor's skill or judgment to consider when it advised the Purchasing Entity about the product, (e) the product has been properly designed and manufactured, and (f) the product is free of significant defects or unusual problems about which the Purchasing Entity has not been warned.

The contractor agrees to warrant and assume responsibility for each hardware, firmware, and/or software product (hereafter called the product) that it licenses, or sells, to the Purchasing Entity under this master price agreement. When applicable, Contractor warrants that product(s) furnished pursuant to this contract shall, when used in accordance with the product documentation, be able to accurately process date/time data (including, but not limited to, calculating, comparing, and sequencing) transitions, including leap year calculations. Where a contractor proposes or an acquisition requires that specific products must perform as a package or system, this warranty shall apply to the products as a system.

Where contractor is providing ongoing services, including but not limited to: i) consulting, integration, code or data conversion, ii) maintenance or support services, iii) data entry or processing, or iv) contract administration services (e.g., billing, invoicing, claim processing), contractor warrants that services shall be provided in an accurate and timely manner without interruption, failure or error due to the inaccuracy of contractor's business operations in processing date/time data (including, but not limited to, calculating, comparing, and sequencing) various date/time transitions, including leap year calculations. Contractor shall be responsible for damages resulting from any delays, errors or untimely performance resulting therefrom, including but not limited to the failure or untimely performance of such services.

This Date/Time Warranty shall survive beyond termination or expiration of this contract through: a) ninety (90) days or b) the contractor's or product manufacturer/developer's stated date/time warranty term, whichever is longer. Nothing in this warranty statement shall be construed to limit any rights or remedies otherwise available under this contract for breach of warranty.

AMENDMENTS: The terms of this master price agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever without prior written approval of the Master Price Agreement Administrator of the Lead State.

ASSIGNMENT/SUBCONTRACT: Contractor shall not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this master price agreement, in whole or in part, without the prior written approval of the Master Price Agreement Administrator of the Lead State.

NONDISCRIMINATION: The offeror agrees to abide by the provisions of Title VI and Title VII of the Civil Rights Act of 1964 (42 USC 2000e), which prohibit discrimination against any employee or applicant for employment, or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age, and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. The offeror further agrees to furnish information and reports to Participating State(s), upon request, for the purpose of determining compliance with these statutes. Offeror agrees to comply with each individual state's certification requirements, if any, as stated in the special terms and conditions. This master price agreement may be canceled if the offeror fails to comply with the provisions of these laws and regulations. The offeror must include this provision in every subcontract relating to purchases by the States to insure that subcontractors and vendors are bound by this provision.

SEVERABILITY: If any provision of this master price agreement is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected; and the rights and obligations of the parties shall be construed and enforced as if the master price agreement did not contain the particular provision held to be invalid.

INSPECTIONS: Goods furnished under this master price agreement shall be subject to inspection and testing by the Purchasing Entity at times and places determined by the Purchasing Entity. If the Purchasing Entity finds goods furnished to be incomplete or not in compliance with proposal specifications, the Purchasing Entity may reject the goods and require Contractor to either correct them without charge or deliver them at a reduced price, which is equitable under the circumstances. If Contractor is unable or refuses to correct such goods within a time deemed reasonable by the Purchasing Entity, the Purchasing Entity may cancel the order in whole or in part. Nothing in this paragraph shall adversely affect the Purchasing Entity's rights including the rights and remedies under the Uniform Commercial Code.

PAYMENT: Payment for completion of a master price agreement order is normally made within 30 days following the date the entire order is delivered or the date a correct invoice is received, whichever is later. The Contractor may assess overdue account charges on the outstanding balance in accordance with, and up to the maximum allowed by, the laws of the participating state. Payments may be remitted by mail or electronic funds transfer. Payments may also be made via a Purchasing Entity's "Purchasing Card".

FORCE MAJEURE: Neither party to this master price agreement shall be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. The Lead State may terminate this master price agreement after determining such delay or default will reasonably prevent successful performance of the master price agreement.

HAZARDOUS CHEMICAL INFORMATION: The Contractor will provide one set of the appropriate material safety data sheet(s) and container label(s) upon delivery of a hazardous material to the Purchasing Entity agency. All safety data sheets and labels will be in accordance with each participating state's requirements.

FIRM PRICE: Unless otherwise stated in the special terms and conditions, for the purpose of award, offers made in accordance with this solicitation must be good and firm for a period of ninety (90) days from the date of receipt of bids or proposals. Prices must remain firm for the full term of the master price agreement.

EXTENSION OF PRICES: In the case of error in the extension of prices in the proposal, the unit prices will govern.

PROPOSAL PREPARATION COSTS: NASPO and the lead state are not liable for any costs incurred by the offeror in preparation of the bid or proposal.

CERTIFICATION REGARDING CONFLICT OF INTEREST: Contractor certifies that it has not offered or given any gift or compensation prohibited by the state laws of any Participating State to any officer or employee of NASPO or Participating States to secure favorable treatment with respect to being awarded this contract.

INDEPENDENT CONTRACTOR: Contractor shall be an independent contractor, and as such shall have no authorization, express or implied to bind the Participating States to any agreements, settlements, liability or understanding whatsoever, and agrees not to perform any acts as agent for NASPO or the states, except as expressly set forth herein.

POLITICAL SUBDIVISION PARTICIPATION: Participation under this master price agreement by political subdivisions (i.e., statutorily eligible colleges, school districts, counties, cites, etc.,) of a NASPO state, with the prior approval of the state chief procurement official, shall be voluntarily determined by the political subdivision.

The contractor agrees to supply the political subdivisions based upon the same terms, conditions and prices.

CERTIFICATION REGARDING DEBARMENT: The Contractor certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. If the Contractor cannot certify this statement, attach a written explanation for review by NASPO.

RECORDS ADMINISTRATION: The Contractor will maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the Contractor for costs authorized by this master price agreement. These records will be retained by the Contractor for at least four years after the master price agreement terminates, or until all audits initiated within the four years have been completed, whichever is later.

AUDIT OF RECORDS: The Contractor agrees to allow NASPO, State and Federal auditors, and state agency staff access to all the records related to this master price agreement, and the right to copy those records, for audit, inspection and monitoring of services. Such access will be during normal business hours, or by appointment.

PRICES AS CEILING:
Master Price Agreement prices represent ceiling prices for the supplies and services priced in the master price agreement.

The vendor shall report to the Lead State any price reduction or discount, or other more favorable terms, offered to any Purchasing Entity.

In instances NOT related to the established standards, committed volumes or volume bulk purchases of a

participating state or states, the awarded vendor agrees to negotiate in good faith to reestablish ceiling prices or other more favorable terms and conditions applicable to future orders.

STATE PARTICIPATION/UNIQUE TERMS AND CONDITIONS:
Apart from the Lead State conducting the solicitation, the States included in
Appendix E, State Profiles, have signified their initial intent to participate in a Master Price Agreement resulting from this Solicitation. Attachment A of the Solicitation includes any significant modifications to these terms and conditions or State-specific provisions required by the laws, regulations, or procurement practices of the State(s). Final participation in the Master Price Agreement by the State(s) shall be signified through the execution of a Participating Addendum.

After the solicitation has closed and an award has been made, additional NASPO members may be added with the consent of the contractor through execution of a Participating Addendum.

RENTAL AND LEASES:
Rental:
Individual Participating States and Participating Entities may enter in to rental agreements for the products covered in the contracts resulting from the RFP, if they have the legal authority to enter into these types of agreements without going through a competitive process. Responders who wish to participate in rental agreements with these individual states/entities must subject copies of all of their rental agreements with their responses to this RFP. The rental agreements will not be reviewed or evaluated as part of the RFP evaluation process defined in this RFP. The agreements will simply be made available to any state or entity who wishes to negotiate a rental agreement with a Contractor.

Leases:
Individual Participating States and Participating Entities may enter in to lease agreements for the products covered in the contracts resulting from the RFP, if they have the legal authority to enter into these types of agreements without going through a competitive process. Responders who wish to participate in lease agreements with these individual states/entities must submit copies of all of their lease agreements with their response to this RFP. The lease agreements will not be reviewed or evaluated as part of the RFP evaluation process defined in this RFP. The agreements will simply be made available to any state or entity who wishes to negotiate a lease agreement with a Contractor.

COMPREHENSIVE FINANCIAL OPTIONS THAT SHOULD BE INCLUDED:

- Purchase
- Operational Leases - with varying buyout ownership options at end of term including no ownership option
- Capital Leases – Traditional financing with ownership at end of term (software, buyouts of existing leases)
- Cancelable Rentals – Cancel with four month penalty on rental payment
- All leases and rentals must have a non appropriations clause

NON-APPROPRIATION: The terms of the Agreement and any purchase order issued for multiple years under this Agreement is contingent upon sufficient appropriations being made by the Legislature or other appropriate governing entity. Notwithstanding any language to the contrary in this Agreement or in any purchase order or other document, a Purchasing Entity may terminate its obligations under this Agreement, if sufficient appropriations are not made by the governing entity at a level sufficient to allow for payment of the goods or services due for multiple year agreements, or if operations of the paying entity are being discontinued. The Purchasing Entity's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final and binding.

A Purchasing Entity shall provide sixty (60) days notice, if possible, of its intent to terminate for reason cited above. Such termination shall relieve the Purchasing Entity, its officers and employees from any responsibility or liability for the payment of any further amounts under the relevant Purchase Order.

WSCA/NASPO eMARKET CENTER: Awarded responders are required to participate in the WSCA/NASPO eMarket Center and, working through WSCA's contractor (SciQuest), connect with the eMarket Center. The ideal situation would be to use either a hosted (by SciQuest) or Punchout Level 2 catalog configurations, but actual requirements will be determined by the Lead State Contract Administrator, WSCA, WSCA's contractor (SciQuest) and the awarded contractor, after award. Participation does not require an awarded responder to have any special level of technology or technological understanding.

Appendix E

State Profiles

1. Maine

1.1. Legal/Policy Landscape

1.1.5. The State of Maine established the Maine Learning Technology Initiative in statute in 2001. To see the language of the statute, please see:

Title 20-A, Chapter 801: MAINE LEARNING TECHNOLOGY FUND
http://www.mainelegislature.org/legis/statutes/20-A/title20-Ach801sec0.html

1.1.6. The State of Maine established the digital literacy program in statute in 2011. To see the language of the statute, please see:

Title 20-A: EDUCATION
Part 1: GENERAL PROVISIONS
Chapter 3: DEPARTMENT OF EDUCATION
Subchapter 2: COMMISSIONER
http://www.mainelegislature.org/legis/statutes/20-A/title20-Asec254.html

15. Technical assistance; professional development and training for instruction in digital literacy; clearinghouse for information on use of online learning resources. The commissioner shall develop a program of technical assistance, including professional development and training for instruction in digital literacy and the establishment of a clearinghouse for information on the use of online learning resources that may be made available to all school administrative units, including those schools that participate in the learning through technology program under section 15689-A, subsection 12-A, which provides one-to-one wireless computers for 7th grade, 8th grade and high school students and educators.

The technical assistance must include, but is not limited to:

- A model for instruction that promotes digital literacy for students;
- A clearinghouse for information on the use of online learning resources, including best practices in the use of open educational resources and open-source textbooks; and
- Professional development and training for educators in the effective use of online learning resources, including open educational resources and open-source textbooks.

The program of technical assistance provided by the department may be used by those schools and educators who choose to provide instruction in digital literacy and who choose to use online learning resources, including best practices in the use of open educational resources and open-source textbooks. The program of technical assistance provided by the department must be available to all school administrative units in the State and posted on the department's publicly accessible website.

1.1.7. The State of Maine allows the State to procure equipment and services on behalf of

qualifying entities, including school districts.

Title 5: ADMINISTRATIVE PROCEDURES AND SERVICES
Part 4: FINANCE
Chapter 155: PURCHASES
Subchapter 1: GENERAL PROVISIONS
http://www.mainelegislature.org/legis/statutes/5/title5sec1811.html

Cooperative purchasing. To permit any political subdivision or school administrative district in the State or nonprofit free health care clinic that provides free primary or preventative services to make purchases of foodstuffs, materials, equipment and supplies through the Bureau of General Services, subject to such procedures, rules and regulations as may be prescribed by the director. This subsection applies to a municipality notwithstanding any provision in its municipal charter to the contrary;

1.2. Contract / Participating Addendum

Following on the award process of this RFP, the State of Maine anticipates signing one or more Participating Addenda with one or more of the selected / pre-qualified Bidders. Each Bidder selected by the State of Maine will be required to execute a Participating Addendum in the form of a State of Maine Agreement to Purchase Services (BP54-IT). A list of applicable Riders is as follows:

Rider A: Specification of Work to be Performed
Rider B-IT: Method of Payment and Other Provisions
Rider C: Exceptions to Rider B
Rider D: (optional; for use by Department)
Rider E: (optional; for use by Department)
Rider F: (optional; for use by Department)
Rider G: Identification of Country in Which Contracted Work Will Be Performed
(Additional Riders can be added as needed by the Department.)

The complete set of standard BP54-IT contract documents may be found on the Division of Purchases' website at the following link: http://www.maine.gov/purchases/info/forms/BP54%20EO-IT.doc.

1.3. Budget/Financial

The Maine Learning Technology Initiative is funded through the General Purpose Aid (GPA) fund that is appropriated by the Legislature in support of schools. The GPA fund is generally referred to as "State Subsidy" or "State Aid". Schools receive funding from GPA through a funding formula. Prior to subsidy calculations, the Commissioner of Education has the authority to allocate funds from GPA to pay for systemic programs like the MLTI. Historically, the State of Maine has paid for MLTI grades 7, 8, and teacher seats as well as wireless infrastructure for all 7-12 participating schools through this funding mechanism. It is the intent of the State of Maine to continue to do so.

1.4. Experience with 1:1

The Maine Learning Technology Initiative (MLTI) has been in operation since the spring of 2002. The initial program was determined through RFP #901001. Since then, all Maine public school students in grades 7 and 8 have participating in the program. In 2004, 30 Maine high schools began piloting high school 1:1 initiatives with MLTI. In 2006, the State issued RFP #1205143 and refreshed the program, replacing all devices and networks for all participating schools and added a small cadre of high schools and elementary grades at local cost. In 2009, the State renegotiated its contract with the awarded Bidder

of RFP #1205143 and expanded the program, replacing all devices and networks for all participating schools and significantly increased participation at the high school level. Currently the program continues to serve all public middle schools, over 55% of public high schools, and also includes a number of elementary grades as well as four (4) private/independent schools.

Throughout the past decade, the MLTI has continued to focus on supporting teachers and leaders through professional development. The MLTI has served as a model to districts, states, and countries all over the globe. Delegations from all over the globe have visited Maine specifically to visit MLTI schools. MIT's One Laptop Per Child initiative credits MLTI as their inspiration.

1.5. Broadband Infrastructure

Almost all Maine schools are members of the Maine School and Library Network (MSLN). MSLN is operated by Networkmaine, a unit of the University of Maine. Networkmaine provides broadband services including help desk and network management services to all member schools. For more information about Networkmaine, please see http://www.networkmaine.net.

BROADBAND CIRCUIT SPEEDS AT MLTI PARTICIPATING SCHOOLS

School MEDMS ID	School Name	Circuit Bandwidth	SAU MEDMS ID	Notes
1129	Acton Elementary School	10	1000	
1214	Adams School	10	1032	
1835	Airline Community School	10	1284	
1130	Alexander Elementary	10	1001	
1723	Alfred Elementary c/o Massabesic High School	10	1251	
1009	All Saints Catholic School	20	1308	
1132	Appleton Village School	10	1004	
1854	Arthur R. Gould School--MYC (Long Creek)	10	1296	
1593	Ashland Community High School	50	1226	
2619	Ashland District School	50	1226	
1221	Ashley Bryan School	10	1040	
1737	Athens Elementary School	10	1253	
1144	Auburn Middle School	200	1007	
1165	Bangor High School	1000	1011	
1170	Bath Middle School C/O Bath Regional Career and Technical Center BRCTC	20	3152	
1172	Bath Regional Vocational Center	100	3152	
1809	Bay Ridge Elementary	10	3136	
1173	Beals Elementary School	10	1014	
1822	Beatrice Rafferty School	10	1272	
1333	Beech Hill School	10	1125	
1601	Belfast Area High School	50	3166	
1174	Biddeford High School	100	1016	
1176	Biddeford Middle School	100	1016	
1178	Biddeford Regional Ctr of Tech	100	1016	
1179	Blue Hill Consolidated School	20	1017	

1952	Blue Hill Harbor School	54	3154	
1500	Bonny Eagle High School	100	1200	
1495	Bonny Eagle Middle School	100	1200	
1832	Boothbay Region Elem School	100	1281	
1831	Boothbay Region High School	100	1281	
1452	BRCTC	10	3152	
1186	Brewer High School	1000	1021	
1185	Brewer Middle School	1000	1021	
1188	Bristol Consolidated School	10	1023	
1189	Brooklin School	10	1024	
1190	Brooksville Elementary School	10	1025	
1342	Bruce M Whittier Middle School	100	3163	
1196	Brunswick High School	1000	1026	
1195	Brunswick Jr High School	1000	1026	
1622	Buckfield Jr-Sr High School	100	3159	
1857	Bucksport Middle School	50	3170	
1203	Calais High School	50	1028	
1852	Camden Hills Regional H S	200	1294	
1579	Camden-Rockport Middle School	20	1222	
1206	Cape Elizabeth School Department	100	1029	
1207	Cape Elizabeth School Department	100	1029	
1153	Capital Area Technical Center	100	1008	Shared with Cony High School
1565	Caravel Middle School	50	1217	
1212	Caribou High School	100	3174	
1211	Caribou Middle School	100	3174	
1213	Caribou Regional Applied Tech Ctr	100	3174	
1564	Carmel Elementary School	10	1217	
1056	Carrabassett Valley Academy	20	1355	
1879	Carrabec Community School	20	1265	
1795	Carrabec High School	50	1265	
1295	Carrie Ricker Middle School	20	3157	
1904	Casco Bay High School	100	1134	
1572	Cave Hill School	10	3169	
1332	Center Drive School	10	1124	
1637	Central Aroostook Jr-Sr H S	50	1236	
1764	Central High School	200	1258	
1765	Central Middle School	20	1258	
1216	Charlotte Elementary School	10	1035	
1217	Chelsea Elementary School	20	3160	
1616	Cherryfield Elementary	10	1231	
1218	China Middle School	50	3164	
1299	Coastal Wash Cty Inst of Tech	10	1095	
1166	Conners-Emerson School	1000	1012	
1149	Cony High School	100	1008	
1615	Daniel W Merritt School	10	1231	
1215	Dawn F Barnes Elementary Sch	10	1033	
1223	Dedham School	10	1046	
1843	Deer Isle-Stonington Elementary	10	1289	
1842	Deer Isle-Stonington High Sch	50	1289	

1357	Deering High School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1650	Dexter Regional High School	100	1240	
1555	Dirigo High School	100	3159	WAN connection to Dirigo MS
1556	Dirigo Middle School	100	3159	
1305	Dr Lewis S Libby School	10	1106	
1225	Durham Central School	20	3158	
1527	East Grand School	50	1208	
1840	East Range II CSD School	10	1288	
1229	Easton Elementary School	100	1053	
1228	Easton Junior-Senior High School	50	1053	
1230	Eastport Elementary School	10	1054	
1815	Edmunds Consolidated School	10	1269	
1142	Edward Little High School	200	1007	
1409	Ella Lewis School	10	3169	
1147	Ella R Hodgkins School	100	1008	Shared with Cony High School
2601	Ellsworth Elementary-Middle School	1000	3169	
1236	Ellsworth High School	1000	3169	
1811	Elm Street School	10	3129	
1033	Erskine Academy	100	1332	
1621	Etna-Dixmont School	10	3165	
2634	Falmouth Elementary School	200	1057	
1240	Falmouth High School	200	1057	
1241	Falmouth Middle School	200	1057	
1522	Forest Hills Consolidated School	50	1206	
1551	Fort Fairfield Middle/High School	100	1214	
1575	Fort Kent Community High School	100	1221	
1812	Fort O'Brien School	10	3137	
1509	Foster Regional Applied Tech Ctr	50	1203	
1036	Foxcroft Academy		1335	
1456	Frank H Harrison Middle School	100	1190	
1136	Franklin Alternative School	200	1007	
1244	Freeport High School	200	3158	
1245	Freeport Middle School	20	3158	
1296	Frenchboro ES c/o Superintendents Office	10	1094	
1515	Gardiner Area High School	50	1205	
1516	Gardiner Regional Middle School	20	1205	
1021	George Stevens Academy	50	1320	
1682	Georges Valley High School	100	3161	
1248	Glenburn Elementary School	20	3171	
1253	Gorham High School	100	1065	
1858	Gorham Middle School	100	1065	
1018	Gould Academy	50	1317	
1855	Governor Baxter School for the Deaf	50	1297	
1529	Gray-New Gloucester High School	100	1209	
1530	Gray-New Gloucester Middle School	100	1209	
1845	Great Salt Bay Community School	100	1290	
1687	Greely High School	200	1245	

1875	Greely Middle School	200	1245	
1258	Greenville High School	50	2646	
1534	Hall-Dale High School	200	3156	
1535	Hall-Dale Middle School	100	3156	
1558	Hampden Academy	200	1216	
1237	Hancock County Technical Center	1000	3169	
1260	Hancock Grammar School	10	3169	
1619	Harrington Elementary School	50	1231	
1051	Hebron Academy	100	1350	
1257	Helen S Dunn Elementary School	10	1069	
1264	Hermon High School	120	1074	Shared with Hermon Middle School
1263	Hermon Middle School	120	1074	Shared with Hermon High School
1591	Hichborn Middle School	20	1225	
1779	Hodgdon High School	50	1262	
1761	Holbrook School	10	1257	
1265	Hope Elementary	10	1077	
1274	Horace Mitchell Primary School	10	1085	
1582	Houlton High School	1000	1223	
1584	Houlton Junior High School	100	1223	
1820	Indian Island School	20	1270	
1821	Indian Township School	4.6	1271	Three bonded T1s, managed by the Bureau of Indian Affairs
1266	Isle au Haut Rural School	10	1078	
1267	Islesboro Central School	10	1079	
1163	James F. Doughty School	1000	1011	
1271	Jefferson Village School	20	1081	
1008	John Bapst Memorial High School	1000	1307	
1272	Jonesboro Elementary School	10	1082	
1273	Jonesport Elementary School	50	1292	Shared with Jonesport-Beals High School
1847	Jonesport-Beals High School	50	1292	
1365	Jordan-Small School	100	3162	
1571	Katahdin Middle High School	50	3199	
1133	Kennebunk Elementary School	10	3167	
1784	Kennebunk Elementary School	10	3167	
1786	Kennebunk Elementary School	200	3167	
1883	Kennebunk Elementary school	200	3167	
1783	Kennebunk High School	200	3167	
1353	King Middle School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1732	Kingfield Elementary School	10	1252	
1753	Lake Region High School	100	1255	
1754	Lake Region Middle School	100	1255	
1756	Lake Region Vocational Center	10	1255	
1278	Lamoine Consolidated School	10	3169	
1676	Lawrence High School	100	1243	
1677	Lawrence Jr High School	100	1243	
1693	Leavitt Area High School	50	1246	

1057	Lee Academy	50	1356	
1325	Leonard Middle School	1000	3172	
1283	Lewiston High School	200	1088	Same building as Lewiston Regional Technology Ctr
1285	Lewiston Middle School	1000	1088	WAN connection to Lewiston HS/Regional Tech Ctr
1287	Lewiston Regional Technology Ctr	200	1088	
1288	Limestone Community School	100	3174	
1066	Lincoln Academy	50	1364	
1354	Lincoln Middle School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1289	Lincolnville Central School	10	1091	
1724	Line Elementary c/o Massabesic High School	10	1251	
1293	Lisbon High School	50	1092	
1319	Loranger Middle School	20	3168	Shared with Old Orchard Beach High School
1550	Lubec Consolidated School	50	1213	
1726	Lyman Elementary c/o Massabesic High School	10	1251	
1355	Lyman Moore Middle School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1688	Mabel I Wilson School	200	1245	
1298	Machias Memorial High School	50	1095	
1300	Madawaska Middle High School	100	1097	
1740	Madison Area Memorial High School	50	1253	
1741	Madison Junior High School	50	1253	
1403	Mahoney Middle School	200	1155	
1072	Maine Central Institute	50	1369	
1853	Maine School of Science & Mathematics	100	1295	
1829	Maine Vocational Region 10	10	1279	
1837	Maranacook Community High Sch	50	3173	
1838	Maranacook Middle School	50	3173	
1611	Marshwood High School	200	1229	
1608	Marshwood Middle School	50	1229	
1728	Massabesic High School	100	1251	
1729	Massabesic Middle School	200	1251	
1246	Mast Landing School	20	3158	
1769	Matinicus Elementary School	10	1259	
1771	Mattanawcook Academy	50	3175	
1772	Mattanawcook Jr High School	50	3175	
1948	Medomak Middle School	200	1234	
1628	Medomak Valley High School	200	1234	
1304	Medway Middle School	10	1105	
1407	Memorial Middle School	200	1155	
1660	Messalonskee High School	1000	3164	
1862	Messalonskee Middle School	1000	3164	

1827	Mid-Coast Sch of Tech-Region 8	10	1277	
1422	Mid-Maine Technical Center	1000	1170	WAN connection to Waterville Senior High School
1785	Middle School of the Kennebunks	200	3167	
1620	Milbridge Elementary School	10	1231	
1778	Mill Pond Elementary School	50	1262	
1307	Millinocket Middle School	20	1107	
1791	Molly Ockett Middle School	20	1264	
1310	Monhegan Island School	10	1109	
1312	Monmouth Academy	100	3156	
1313	Monmouth Middle School	100	3156	
1171	Morse High School C/O Bath Regional Career and Technical Center BRCTC	100	3152	
1243	Morse Street School	20	3158	
1834	Mount Desert Island High School	1000	1283	
1586	Mount Jefferson Jr. High	20	1224	
1641	Mountain Valley High School	100	3159	Shared with Mountain Valley Middle School
1638	Mountain Valley Middle School	100	3159	Shared with Mountain Valley High School
1839	Mountain View School	20	3169	
1856	Mountain View Youth Development Center	20	1298	
1736	Mt Abram Regional High School	50	1252	
1805	Mt Ararat High School	200	1266	
1807	Mt Ararat Middle School	200	1266	
1507	Mt Blue High School	200	1203	
1506	Mt Blue Middle School	50	1203	
1314	Mt Desert Elementary School	1000	1112	
1475	Mt View High School	50	1197	
1477	Mt View Middle School	50	1197	
1618	Narraguagus High School	50	1231	
1316	New Sweden Consolidated School	10	1116	
1826	No Penobscot Tech-Region 3	20	1276	
1750	Noble High School	200	1254	
1745	Noble Middle School	20	1254	
1317	Nobleboro Central School	10	1117	
1669	Nokomis Regional High School	50	3165	
1503	North Haven Community School	10	1201	
1689	North Yarmouth Memorial School	10	1245	
1846	Oak Hill High School	200	3157	
1878	Oak Hill Middle School	20	3157	
2630	Oceanside High School East	100	3161	
2629	Oceanside High School West	100	3161	
1320	Old Orchard Beach High School	20	3168	Shared with Loranger Middle School
1326	Old Town High School	1000	3172	
1329	Orono High School	1000	3171	
1330	Orono Middle School	1000	3171	

1546	Oxford Hills Comprehensive High School	200	1211	
1545	Oxford Hills Middle School	100	1211	
1830	Oxford Hills Technical School	200	1280	
1334	Palermo Consolidated School	10	3160	
1335	Pembroke Elementary School	10	1127	
1408	Pemetic Elementary School	1000	1156	
1873	Peninsula CSD School	10	3169	
1336	Penobscot Community School	10	1128	
1590	Penobscot Valley High School	20	1225	
1634	Penquis Valley High School	50	1235	
1337	Perry Elementary School	10	1129	
1292	Philip W Sugg Middle School	20	1092	
1734	Phillips Middle School	10	1252	
1480	Piscataquis Community High School	200	1198	
1481	Piscataquis Community Middle School	200	1198	
1341	Poland Regional High School	100	3163	
1361	Portland Arts & Technology H S	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1356	Portland High School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1468	Presque Isle Alternative Education	50	1196	
1466	Presque Isle High School	50	1196	
1465	Presque Isle Middle School	20	1196	
1469	Presque Isle Reg Career & Tech Ctr	50	1196	
1363	Princeton Elementary School	10	1136	
1523	Quimby Middle School	20	1207	
1364	Rangeley Lakes Regional School	50	3184	
1560	Reeds Brook Middle School	20	1216	
1823	Region Two Sch of Applied Tech	1000	1273	
1145	RETC/SOS	200	1007	
1370	Richmond High School	100	3156	
1371	Richmond Middle School	100	3156	
1652	Ridge View Community School	100	3179	
1261	Ridgeview Community school	10	1073	
1372	Robbinston Grade School	10	1143	
1277	Robert W Traip Academy	200	1085	
1488	Rockland District High School	100	3161	
1489	Rockland District Middle School	100	3161	
1297	Rose M Gaffney School	50	1095	
1806	RSU 75 District Office for Woodside Elementary	10	1266	
1376	Saco Middle School	20	3168	
1863	Saco Transition Program	10	3168	
1714	Sacopee Valley High School	200	1249	
1941	Sacopee Valley Middle School	200	1249	
1902	SAD 53 Alternative Education	20	1247	

1563	Samuel L Wagner Middle School	10	1216	
1383	Sanford High School	50	1148	
1382	Sanford Jr High School	20	1148	
1386	Sanford Regional Vocational Ctr	50	1148	
1390	Scarborough High School	50	1149	
1389	Scarborough Middle School	50	1149	
1227	Schenck High School	20	1052	
1828	School of Applied Tech-Region 9	100	1278	
1720	Searsport District High School	50	3166	
1719	Searsport District Middle School	50	3166	
1670	Sebasticook Valley Middle School	100	3165	
1393	Sedgwick Elementary School	10	1150	
1776	SeDoMoCha Middle School	20	1261	
1727	Shapleigh Memorial School c/o Massabesic High School	10	1251	
1275	Shapleigh Middle School	20	1085	
1231	Shead High School	50	1054	
1706	Skowhegan Area High School	200	1248	
1709	Skowhegan Area Middle School	200	1248	
1710	Somerset Career and Technical Center	200	1248	
1666	Somerset Valley Middle School	100	3165	
1395	Somerville Elementary School	10	3160	
1396	South Bristol Elementary School	10	1153	
1404	South Portland High School	200	1155	
1836	Southern Aroostook Community School	50	3199	
2636	Spruce Mountain Middle School	100	3198	
1204	St Croix Regional Technical Center	20	1028	
1680	St George School	100	3161	
1595	St John Valley Technology Center	10	1227	
1308	Stearns High School	20	1107	
1731	Stratton Elementary School	10	1252	
1735	Strong Elementary School	10	1252	
1833	Sumner Memorial High School	50	3169	
1199	Superintendent Office -Bucksport High School	50	3170	
1411	Surry Elementary School	10	1159	
1566	Suzanne Smith Elementary	10	1217	
1808	Swans Island Elementary School	10	1267	
1645	Telstar High School	50	1238	
1646	Telstar Middle School	50	1238	
1683	Thomaston Grammar School	100	3161	
1098	Thornton Academy	200	1395	
1412	Tremont Consolidated School	1000	1162	
1413	Trenton Elementary School	1000	1163	
1653	Tri-County Technical Center	100	1240	
1692	Tripp Middle School	200	1246	
1602	Troy A Howard Middle School	20	3166	
1938	Union 132 Secondary School	10	3160	

1824	United Technologies Ctr-Region 4	100	1274	
1524	Upper Kennebec Valley Memorial HS	50	1207	
1574	Valley Rivers Middle School	100	1221	Wireless Microwave connection to Fort Kent High School
2647	Valley Rivers Middle School	100	1221	
1567	Van Buren District Secondary Sch	50	1218	
1944	Van Buren Elementary	50	1218	
1569	Van Buren Regional Technology Ctr	50	1218	
1414	Vanceboro Elementary School	10	1165	
1415	Vassalboro Community School	50	1166	
1416	Veazie Community School	1000	3171	
1860	Vinalhaven School	50	1202	
1825	Waldo County Tech Ctr-Region 7	10	1275	
1699	Warsaw Middle School	20	1247	
1649	Washburn District Elem School	50	1239	
1648	Washburn District High School	50	1239	
1037	Washington Academy	200	1336	
1730	Waterboro Elementary c/o Massabesic High School	200	1251	
1421	Waterville Junior High School	1000	1170	
1419	Waterville Senior High School	1000	1170	
1850	Wells High School	100	1293	
1849	Wells-Ogunquit Junior High School	100	1293	
1425	Wesley Elementary School	10	1173	
1360	West School	100	1134	WAN connection to city-wide LAN that has a 10 Gbps burstable connection
1430	Westbrook High School	1000	1175	Shared with Westbrook Regional Technology Ctr
1429	Westbrook Middle School	1000	1175	Shared with Westbrook Regional Technology Ctr
1433	Westbrook Regional Technology Ctr	1000	1175	
1434	Whitefield Elementary School	10	3160	
1813	Whiting Village School	10	3138	
1164	William S Cohen School	1000	1011	
1435	Windham High School	100	3162	
1437	Windham Middle School	100	3162	
1439	Windham Middle School	100	3162	
1440	Windsor Elementary School	10	3160	
1441	Winslow High School	1000	1183	
1442	Winslow Junior High School	1000	1183	
1446	Winthrop High School	200	1185	
1447	Winthrop Middle School	20	1185	
1449	Wiscasset High School	50	3160	
1448	Wiscasset Middle School	20	3160	
1596	Wisdom Middle High School	50	1227	
1451	Woodland Consolidated School	10	1187	
1154	Woodland Jr-Sr High School	50	1009	
1455	Yarmouth Elementary School	100	1190	

1454	Yarmouth High School	100	1190	
1459	York High School	100	1191	
1458	York Middle School	100	1191	

A downloadable copy of these broadband data is available at http://www.maine.gov/mlti/rfp/201210412_msln.xlsx

1.6. Wireless Network Infrastructure

Most current MLTI participating schools have a wireless network infrastructure that was installed in 2009 by the current Provider. A small number of participating schools do not have the same wireless infrastructure. It is likely that many of these schools will require new wireless networks.

MLTI participating schools that do not have MLTI-installed wireless networks:

- Indian Island School
- Indian Township School
- Lawrence High Schoo
- Leavitt Area High School
- Lee Academy
- Lewiston High School
- Lewiston Regional Technology Center
- Maine School of Science and Mathematics
- Mt View High School
- Mt View Middle School
- Waldo County Technical Center
- West School

NETWORK EQUIPMENT AT EXISTING MLTI-INSTALLED WIRELESS NETWORKS

School MEDMS ID	School Name	Town	Device	Quantity
1008	John Bapst Memorial High School	Bangor	Cisco 2960 Switch	3
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	26
1021	George Stevens Academy	Blue Hill	Cisco 2106 Controller	1
			Cisco 2960 Switch	1
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1036	Foxcroft Academy	Dover-Foxcroft	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1037	Washington Academy	East Machias	Cisco 2960 Switch	3
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1066	Lincoln Academy	Newcastle	Cisco 2960 Switch	2
			Cisco 3560 Switch	8

			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1072	Maine Central Institute	Pittsfield	Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1098	Thornton Academy	Saco	Cisco 2960 Switch	2
			Cisco 3560 Switch	6
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	59
1129	Acton Elementary School	Acton	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1130	Alexander Elementary	Alexander	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1132	Appleton Village School	Appleton	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1136	Franklin Alternative School	Auburn	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1142	Edward Little High School	Auburn	Cisco 2960 Switch	2
			Cisco 3560 Switch	4
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	46
1144	Auburn Middle School	Auburn	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1145	RETC/SOS	Auburn	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1149	Cony High School	Augusta	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
1153	Capital Area Technical Center	Augusta	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1154	Woodland Jr-Sr High School	Baileyville	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1163	James F. Doughty School	Bangor	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	25
1164	William S Cohen School	Bangor	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1165	Bangor High School	Bangor	Cisco 2960 Switch	2
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	47
1166	Conners-Emerson School	Bar Harbor	Cisco 3560 Switch	2
			Cisco 4402 Controller	1

			Cisco Aironet 1142 WAP	9
1170	Bath Middle School	Bath	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1171	Morse High School	Bath	Cisco 2960 Switch	2
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	43
1173	Beals Elementary School	Beals	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1174	Biddeford High School	Biddeford	Cisco 2960 Switch	2
			Cisco 3560 Switch	7
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	42
1176	Biddeford Middle School	Biddeford	Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1178	Biddeford Regional Ctr of Tech	Biddeford	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1179	Blue Hill Consolidated School	Blue Hill	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1185	Brewer Middle School	Brewer	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	14
1186	Brewer High School	Brewer	Cisco 2960 Switch	2
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1188	Bristol Consolidated School	Pemaquid	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1189	Brooklin School	Brooklin	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1190	Brooksville Elementary School	Brooksville	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1195	Brunswick Jr High School	Brunswick	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	22
1196	Brunswick High School	Brunswick	Cisco 2960 Switch	4
			Cisco 3560 Switch	2
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	50
1199	Bucksport High School	Bucksport	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	25

1203	Calais High School	Calais	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1204	St Croix Regional Technical Center	Calais	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	5
1206	Cape Elizabeth Middle School	Cape Elizabeth	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1207	Cape Elizabeth High School	Cape Elizabeth	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1211	Caribou Middle School	Caribou	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1212	Caribou High School	Caribou	Cisco 2960 Switch	1
			Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1213	Caribou Regional Applied Tech Ctr	Caribou	Cisco Aironet 1142 WAP	9
1214	Adams School	Castine	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1215	Dawn F Barnes Elementary Sch	Caswell	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1216	Charlotte Elementary School	Charlotte	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1217	Chelsea Elementary School	Chelsea	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1218	China Middle School	South China	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1221	Ashley Bryan School	Mount Desert	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1223	Dedham School	Dedham	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5
1225	Durham Central School	Durham	Cisco 2960 Switch	3
			Cisco 3560 Switch	2
			Cisco 4402 Controller	2
			Cisco Aironet 1142 WAP	21
1227	Schenck High School	East Millinocket	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1228	Easton Junior-Senior High School	Easton	Cisco 2106 Controller	1
			Cisco 3560 Switch	1

			Cisco Aironet 1142 WAP	5
1230	Eastport Elementary School	Eastport	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1231	Shead High School	Eastport	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1235	Ellsworth Middle School	Ellsworth	Cisco 2960 Switch	2
			Cisco 3560 Switch	5
			Cisco 4402 Controller	2
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	42
1236	Ellsworth High School	Ellsworth	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	30
1237	Hancock County Technical Center	Ellsworth	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1240	Falmouth High School	Falmouth	Cisco 2960 Switch	3
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	34
1241	Falmouth Middle School	Falmouth	Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	24
1244	Freeport High School	Freeport	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1245	Freeport Middle School	Freeport	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1248	Glenburn Elementary School	Glenburn	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1253	Gorham High School	Gorham	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	37
1257	Helen S Dunn Elementary School	Greenbush	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5
1258	Greenville High School	Greenville	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1260	Hancock Grammar School	Hancock	Cisco 2106 Controller	1
			Cisco 3560 Switch	1

			Cisco Aironet 1142 WAP	4
1261	Harmony Elementary	Harmony	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1263	Hermon Middle School	Hermon	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	10
1264	Hermon High School	Hermon	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	27
1265	Hope Elementary	Hope	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1266	Isle au Haut Rural School	Isle au Haut	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1267	Islesboro Central School	Islesboro	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1268	Jay High School	Jay	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1270	Jay Middle School	Jay	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1271	Jefferson Village School	Nobleboro	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1272	Jonesboro Elementary School	Jonesboro	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1273	Jonesport Elementary School	Jonesport	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1274	Horace Mitchell Primary School	Kittery Point, Kittery	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	14
1275	Shapleigh Middle School	Kittery	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1277	Robert W Traip Academy	Kittery	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1278	Lamoine Consolidated School	Lamoine	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1285	Lewiston Middle School	Lewiston	Cisco 2960 Switch	1
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1288	Limestone Community School	Limestone	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12

1289	Lincolnville Central School	Lincolnville	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1292	Philip W Sugg Middle School	Lisbon/Lisbon Falls	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1293	Lisbon High School	Lisbon Falls	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1295	Carrie Ricker Middle School	Litchfield	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1296	Frenchboro Elementary School	Mount Desert	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1297	Rose M Gaffney School	Machias	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	4
1298	Machias Memorial High School	Machias	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	10
1299	Coastal Wash Cty Inst of Tech	Machias	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1300	Madawaska Middle High School	Madawaska	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	33
1303	Elm Street School	Mechanic Falls	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1304	Medway Middle School	Medway	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1305	Dr Lewis S Libby School	Milford	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	6
1308	Stearns High School	Millinocket	Cisco 2106 Controller	1
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1309	Minot Consolidated School	Minot	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1310	Monhegan Island School	Port Clyde	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1312	Monmouth Academy	Hallowell	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1313	Monmouth Middle School	Hallowell	Cisco 3560 Switch	2
			Cisco 4402 Controller	1

			Cisco Aironet 1142 WAP	13
1314	Mt Desert Elementary School	Northeast Harbor	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1316	New Sweden Consolidated School	New Sweden	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1317	Nobleboro Central School	Nobleboro	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	5
1319	Loranger Middle School	Old Orchard Beach	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1320	Old Orchard Beach High School	Old Orchard Beach	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1325	Leonard Middle School	Old Town	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1326	Old Town High School	Old Town	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	29
1327	Orland Consolidated School	Orland	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1329	Orono High School	Orono	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1332	Center Drive School	Orrington	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1333	Beech Hill School	Otis	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1334	Palermo Consolidated School	Palermo	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	3
1335	Pembroke Elementary School	Pembroke	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	4
1336	Penobscot Community School	Penobscot	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1337	Perry Elementary School	Perry	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1341	Poland Regional High School	Poland	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	35
1353	King Middle School	Portland	Cisco 2960 Switch	1

			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1354	Lincoln Middle School	Portland	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	24
1355	Lyman Moore Middle School	Portland	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	25
1356	Portland High School	Portland	Cisco 2960 Switch	4
			Cisco 3560 Switch	2
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	55
1357	Deering High School	Portland	Cisco 2960 Switch	1
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	42
1363	Princeton Elementary School	Princeton	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1364	Rangeley Lakes Regional School	Rangeley	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1365	Jordan-Small School	Raymond	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	14
1370	Richmond High School	Hallowell	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1372	Robbinston Grade School	Robbinston	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1376	Saco Middle School	Saco	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1382	Sanford Jr High School	Sanford	Cisco 2960 Switch	1
			Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	27
1383	Sanford High School	Sanford	Cisco 2960 Switch	3
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	47
1389	Scarborough Middle School	Scarborough	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
1390	Scarborough High School	Scarborough	Cisco 2960 Switch	4
			Cisco 3560 Switch	4
			Cisco 4404 Controller	1
1393	Sedgwick Elementary School	Sedgwick	Cisco 2106 Controller	1

			Cisco Aironet 1142 WAP	3
1395	Somerville Elementary School	Somerville	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1396	South Bristol Elementary School	South Bristol	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1403	Mahoney Middle School	South Portland	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1404	South Portland High School	South Portland	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	46
1407	Memorial Middle School	South Portland	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1408	Pemetic Elementary School	Southwest Hbr	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	5
1409	Ella Lewis School	Steuben	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	4
1411	Surry Elementary School	Surry	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1412	Tremont Consolidated School	Tremont	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1413	Trenton Elementary School	Trenton	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5
1414	Vanceboro Elementary School	Vanceboro	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1415	Vassalboro Community School	Vassalboro	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1416	Veazie Community School	Veazie	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1417	Wales Central School	Wales	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1419	Waterville Senior High School	Waterville	Cisco 2960 Switch	1
			Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	34
1421	Waterville Junior High School	Waterville	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1422	Mid-Maine Technical Center	Waterville	Cisco 3560 Switch	2

			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1425	Wesley Elementary School	Wesley	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1429	Westbrook Middle School	Westbrook	Cisco 2960 Switch	2
			Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	41
1430	Westbrook High School	Westbrook	Cisco 2960 Switch	1
			Cisco 3560 Switch	8
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	55
1434	Whitefield Elementary School	Whitefield	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1435	Windham High School	Windham	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	48
1437	Windham Middle School	Windham	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1440	Windsor Elementary School	Windsor	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	5
1441	Winslow High School	Winslow	Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1442	Winslow Junior High School	Winslow	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1446	Winthrop High School	Winthrop	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1447	Winthrop Middle School	Winthrop	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1448	Wiscasset Middle School	Wiscasset	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	10
1449	Wiscasset High School	Wiscasset	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1451	Woodland Consolidated School	Woodland	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5

1452	Woolwich Central School	Woolwich	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1454	Yarmouth High School	Yarmouth	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	27
1456	Frank H Harrison Middle School	Yarmouth	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1458	York Middle School	York	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	24
1459	York High School	York	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1465	Presque Isle Middle School	Presque Isle	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1466	Presque Isle High School	Presque Isle	Cisco 2960 Switch	2
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	40
1468	Presque Isle Alternative Education	Presque Isle	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	1
1480	Piscataquis Community High School	Guilford	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1481	Piscataquis Community Middle School	Guilford	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
1488	Rockland District High School	Rockland	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1489	Rockland District Middle School	Rockland	Cisco 2106 Controller	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1495	Bonny Eagle Middle School	Buxton	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1500	Bonny Eagle High School	Standish	Cisco 2960 Switch	3
			Cisco 3560 Switch	7
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	49
1503	North Haven Community School	North Haven	Cisco 3560 Switch	2

			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1506	Mt Blue Middle School	Farmington	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	25
1507	Mt Blue High School	Farmington	Cisco 3560 Switch	8
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	36
1515	Gardiner Area High School	Gardiner	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	36
1516	Gardiner Regional Middle School	Gardiner	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1522	Forest Hills Consolidated School	Jackman	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1523	Quimby Middle School	Bingham	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	5
1524	Upper Kennebec Valley Memorial HS	Bingham	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1527	East Grand School	Danforth	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1529	Gray-New Gloucester High School	Gray	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	37
1530	Gray-New Gloucester Middle School	Gray	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	22
1534	Hall-Dale High School	Hallowell	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1535	Hall-Dale Middle School	Hallowell	Cisco 3560 Switch	1
1545	Oxford Hills Middle School	South Paris	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	24
1546	Oxford Hills Comprehensive High School	South Paris	Cisco 2960 Switch	3
			Cisco 3560 Switch	2
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	56
1550	Lubec Consolidated School	Lubec,	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	13
1551	Fort Fairfield Middle/High School	Fort Fairfield	Cisco 2960 Switch	1

			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1555	Dirigo High School	Dixfield	Cisco 3560 Switch	3
			Cisco 4402 Controller	2
			Cisco Aironet 1142 WAP	19
1556	Dirigo Middle School	Dixfield	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1558	Hampden Academy	Hampden	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1560	Reeds Brook Middle School	Hampden	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1563	Samuel L Wagner Middle School	Winterport	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1565	Caravel Middle School	Carmel	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1567	Van Buren District Secondary Sch	Van Buren	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	18
1571	Katahdin Middle High School	Stacyville	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1572	Cave Hill School	Eastbrook	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1574	Fort Kent Elementary School	Fort Kent	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	10
1575	Fort Kent Community High School	Fort Kent	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	22
1579	Camden-Rockport Middle School	Camden	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1582	Houlton High School	Houlton	Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	26
1586	Mount Jefferson Jr. High	Lee	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	6
1590	Penobscot Valley High School	Howland	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1

			Cisco Aironet 1142 WAP	17
1591	Hichborn Middle School	Howland	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1593	Ashland Community High School	Ashland	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1595	St John Valley Technology Center	Frenchville	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	4
1596	Wisdom Middle High School	Saint Agatha	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1601	Belfast Area High School	Belfast	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1602	Troy A Howard Middle School	Belfast	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1608	Marshwood Middle School	Eliot	Cisco 2106 Controller	1
			Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	29
1611	Marshwood High School	South Berwick	Cisco 2960 Switch	5
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	44
1613	Livermore Falls High School	Livermore Falls	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1614	Livermore Falls Middle School	Livermore	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1615	Daniel W Merritt School	Addison	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1616	Cherryfield Elementary	Cherryfield	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1618	Narraguagus High School	Harrington	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1619	Harrington Elementary School	Harrington	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1620	Milbridge Elementary School	Milbridge	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2

1621	Etna-Dixmont Elementary School	Etna	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5
1622	Buckfield Jr-Sr High School	Buckfield	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1628	Medomak Valley High School	Waldoboro	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1634	Penquis Valley High School	Milo	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1637	Central Aroostook Jr-Sr H S	Mars Hill	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	14
1638	Mountain Valley Middle School	Mexico	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1641	Mountain Valley High School	Rumford	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1645	Telstar High School	Bethel	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	26
1648	Washburn District High School	Washburn	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1649	Washburn District Elem School	Washburn	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1650	Dexter Regional High School	Dexter	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1652	Ridge View Community School	Dexter	Cisco 2106 Controller	1
			Cisco 2960 Switch	2
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1653	Tri-County Technical Center	Dexter	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1660	Messalonskee High School	Oakland	Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	36
1666	Somerset Valley M.S.	Hartland	Cisco 3560 Switch	1
			Cisco 4402 Controller	1

			Cisco Aironet 1142 WAP	11
1669	Nokomis Regional High School	Newport	Cisco 2960 Switch	1
			Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	34
1670	Sebasticook Valley M.S.	Newport	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1677	Lawrence Jr High School	Fairfield	Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	22
1680	St George School	Saint George/Tenants Harbor	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1682	Georges Valley High School	Thomaston	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1683	Thomaston Grammar School	Thomaston	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1687	Greely High School	Cumberland Center	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	40
1692	Tripp Middle School	Turner	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1699	Warsaw Middle School	Pittsfield	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1706	Skowhegan Area High School	Skowhegan	Cisco 2960 Switch	3
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	41
1709	Skowhegan Area Middle School	Skowhegan	Cisco 2960 Switch	1
			Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	34
1714	Sacopee Valley High School	Hiram	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1720	Searsport District High School	Searsport	Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1728	Massabesic High School	Waterboro	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	2
			Cisco Aironet 1142 WAP	46
1729	Massabesic Middle School	Waterboro	Cisco 2960 Switch	1

			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	26
1731	Stratton Elementary School	Stratton	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1732	Kingfield Elementary School	Kingfield	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1734	Phillips Middle School	Philips	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1735	Strong Elementary School	Strong	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1736	Mt Abram Regional High School	Strong	Cisco 2960 Switch	2
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1737	Athens Elementary School	Athens	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1740	Madison Area Memorial High School	Madison	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1741	Madison Junior High School	Madison	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1745	Noble Middle School	North Berwick	Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	25
1750	Noble High School	North Berwick	Cisco 3560 Switch	14
			Cisco 4404 Controller	1
			Cisco Aironet 1142 WAP	65
1753	Lake Region High School	Naples	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	28
1754	Lake Region Middle School	Naples	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1756	Lake Region Vocational Center	Naples	Cisco 2106 Controller	1
			Cisco 3560 Switch	2
			Cisco Aironet 1142 WAP	6
1758	Pownal Elementary School	Pownal	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	4
1761	Holbrook School	Holden	Cisco 3560 Switch	1

			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1764	Central High School	East Corinth	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1765	Central Middle School	Corinth	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1769	Matinicus Elementary School	Matinicus Isle	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1771	Mattanawcook Academy	Lincoln	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1772	Mattanawcook Jr High School	Lincoln	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	22
1776	SeDoMoCha Middle School	Dover Foxcroft	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	32
1778	Mill Pond Elementary School	Hodgdon/Houlton	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1779	Hodgdon High School	Hodgdon	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1783	Kennebunk High School	Kennebunk	Cisco 3560 Switch	5
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	31
1785	Middle School of the Kennebunks	Kennebunk	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	23
1791	Molly Ockett Middle School	Fryeburg	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1795	Carrabec High School	North Anson	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	17
1805	Mt Ararat High School	Topsham	Cisco 2960 Switch	1
			Cisco 3560 Switch	6
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	39
1807	Mt Ararat Middle School	Topsham	Cisco 2960 Switch	1
			Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	38
1808	Swans Island Elementary School	Mt. Desert Island,	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2

1809	Bay Ridge Elementary	Cutler	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1811	Elm Street School	East Machias	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1812	Fort O'Brien School	Machiasport	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1813	Whiting Village School	Whiting	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1815	Edmunds Consolidated School	Edmunds Twp	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1822	Beatrice Rafferty School	Pleasant Point	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	6
1823	Region Two Sch of Applied Tech	Houlton	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	6
1826	No Penobscot Tech-Region 3	Lincoln	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1827	Mid-Coast Sch of Tech-Region 8	Rockland	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1828	School of Applied Tech-Region 9	Mexico	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	15
1829	Maine Vocational Region 10	Brunswick	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1831	Boothbay Region High School	Boothbay Harbor	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1832	Boothbay Region Elem School	Boothbay Harbor	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1833	Sumner Memorial High School	Sullivan	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	16
1834	Mount Desert Island High School	Mount Desert	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	33
1835	Airline Community School	Aurora	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	1
1836	Southern Aroostook Community School	Dyer Brook/Island Falls	Cisco 2960 Switch	1
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	21
1837	Maranacook Community High Sch	Readfield	Cisco 3560 Switch	3
			Cisco 4402 Controller	1

			Cisco Aironet 1142 WAP	23
1838	Maranacook Middle School	Readfield	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	20
1839	Mountain View School	Sullivan	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	5
1840	East Range II CSD School	Topsfield	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	3
1842	Deer Isle-Stonington High Sch	Deer Isle	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1843	Deer Isle-Stonington Elementary	Deer Isle, ME	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	12
1845	Great Salt Bay Community School	Damariscotta	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	10
1846	Oak Hill High School	Sabattus	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	27
1847	Jonesport-Beals High School	Jonesport	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1849	Wells-Ogunquit Junior High School	Wells	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19
1850	Wells High School	Wells	Cisco 2960 Switch	1
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	24
1852	Camden Hills Regional H S	Rockport	Cisco 2960 Switch	1
			Cisco 3560 Switch	7
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	35
1855	Governor Baxter School for the Deaf	Falmouth	Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1857	Bucksport Middle School	Bucksport	Cisco 3560 Switch	4
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1858	Gorham Middle School	Gorham	Cisco 2960 Switch	1
			Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	30
1860	Vinalhaven School	Vinalhaven	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	11
1862	Messalonskee Middle School	Oakland	Cisco 2960 Switch	2

			Cisco 3560 Switch	6
			Cisco 4402 Controller	2
			Cisco Aironet 1142 WAP	24
1863	Saco Transition Program	Saco	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	2
1873	Peninsula CSD School	Winter Harbor	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	8
1875	Greely Middle School	Cumberland	Cisco 2960 Switch	3
			Cisco 3560 Switch	3
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	34
1878	Oak Hill Middle School	Sabattus	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	7
1879	Carrabec Community School	Anson	Cisco 3560 Switch	2
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	9
1882	Central Maine Learning Center	Belgrade	Cisco 2106 Controller	1
			Cisco Aironet 1142 WAP	2
1904	Casco Bay High School	Portland	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	33
1938	Union 132 Secondary School	Windsor	Cisco 2106 Controller	1
			Cisco 3560 Switch	1
			Cisco Aironet 1142 WAP	3
1941	Sacopee Valley Middle School	Hiram	Cisco 2960 Switch	2
			Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	33
1948	Medomak Middle School	Waldoboro	Cisco 3560 Switch	1
			Cisco 4402 Controller	1
			Cisco Aironet 1142 WAP	19

A downloadable copy of these data is available at:
http://www.maine.gov/mlti/rfp/201210412_wireless.xlsx.

1.7. Current Software

The following is a list of software titles currently included on the MLTI devices deployed to students and teachers in Maine.

Name	Version	Name	Version
1 to 1 Back Up	3.2	Keynote	5.1.1
Acorn	3.2	Logger Pro	3.8.4.2
Acrobat Reader	10.1.2	Mac OS X	10.6.8
Address Book	5.0.3	Mail	4.5
Adobe Digital Editions	1.8.1	Maine Explorer	1.0.3

Adobe Flash	11.1.102.55	MindNode	1.7.4
Adobe ShockWave	11.6.1.r633	MuseScore	1.1
AppleScript Utility	2.3	MyWorld GIS	4.1.11
Audio MIDI Setup	3.0.3	NetLogo	5
Automator	2.1.1	NoteShare	2.5.8
Bento	4.0.6	Numbers	2.1
Calculator	4.5.3	Omni GraphSketcher	1.2.1
ClamXav	2.2.2	OmniDazzle	1.1.1
Comic Life	1.54	OmniDictionary	2.0.4
Cyberduck	4.2.1	OmniFocus	1.9.4
Data Studio	2012	OmniGraffle	5.3.6
Democracy	1	OmniOutliner	3.10.3
DVD Player	5.4	OmniWeb	5.11.1
Encyclopedia Britannica	10	Overdrive Media Console	1.1
Firefox	3.6.13	Pages	4.1
Garageband	6.0.4	Perian	1.2.3
Geniquest		Photo Booth	3.0.3
Geogebra	4.0.21	Preview	5.0.3
Google Earth	6.2.0.590.5	ProfCast	2.6.5
Grapher	2.1	QuickTime Player X	10
iCal	4.0.4	Safari	5.1.3
iChat	5.0.3	Scratch	1.4
iDVD	7.1.2	SketchUp Pro	8.0.11751
iMovie	9.0.4	TextEdit	1.6
iPhoto	9.2.1	Time Machine	1.1
iSync	3.1.2	VoiceOver	3.5
iTunes	10.5.3	Wolfquest	
iWeb	3.0.4	Write Room	2.5.2
JA Titan		Zon	

1.8. School Sites

As an aid to the bidder, Tables D and E are included in this appendix depict the distribution of students by school size. A more detailed summary of the school enrollments can be found at:

http://www.maine.gov/education/enroll/attending/

Tables D and E depict data from the spring enrollments (April 2012) for Maine's public middle and high schools.

NOTE: Bidders should not rely on the data contained in the Attending Enrollment reports published at the URL above for detailed planning or cost estimates. Data contained in the *Attending Enrollment* reports from schools and school enrollments are for April 2012, and therefore is exemplary only. For planning purposes, the projected numbers utilized in this section reflect expected enrollment trends statewide.

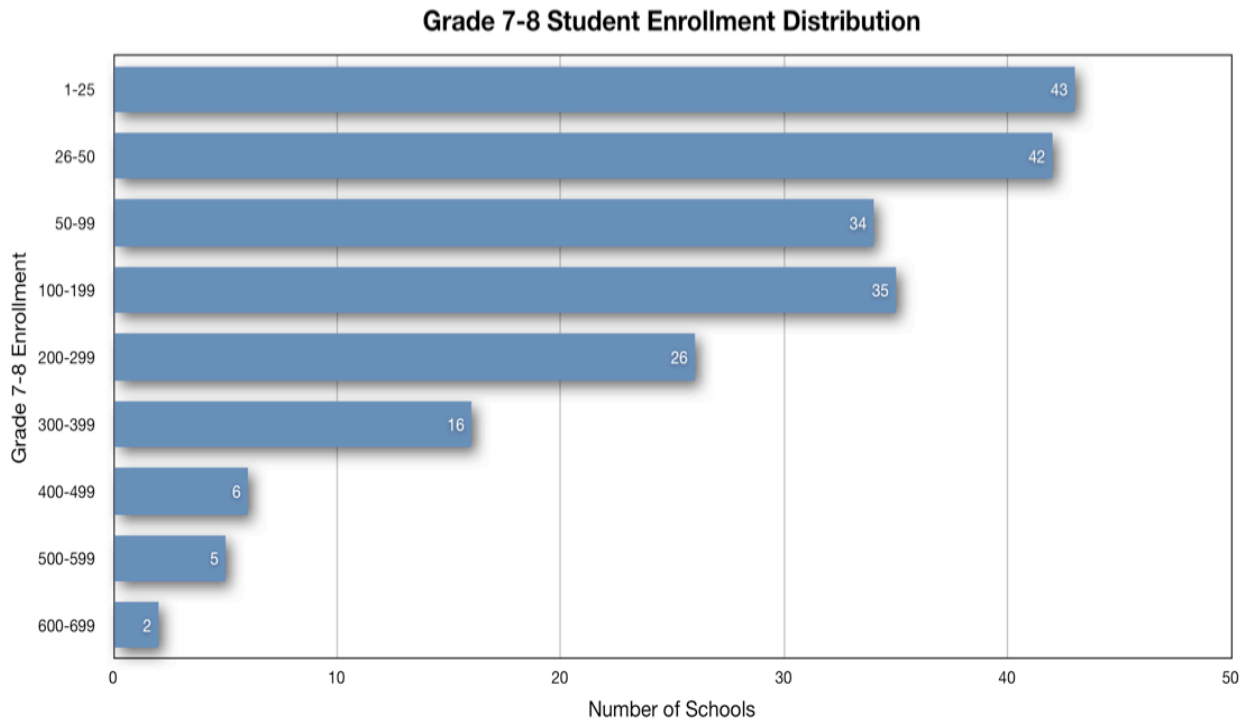

Table D – Grade 7-8 Student Enrollment Distribution

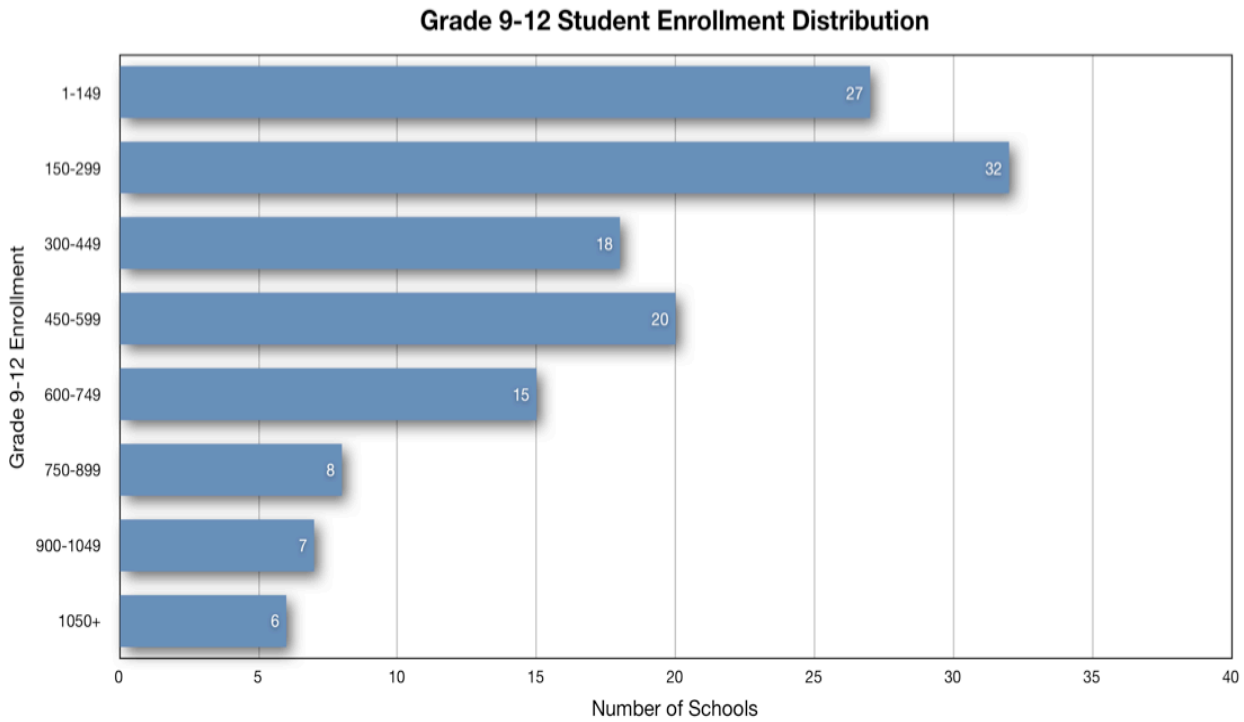

Table E – Grade 9-12 Student Enrollment Distribution

1.9. Services Provided by Other Maine Entities

This subsection includes more details and Maine-specific information that augments **Section 4, Services Provided by Other Entities.**

As described in this section, the Bidder will be responsible to coordinate the design and deployment of the bid solution in Maine in order to appropriately complement and leverage these activities or

resources. Note that this list is not exhaustive.

1.9.1. Building Preparedness

In general, all of Maine's middle schools and most of Maine's high schools have been participating in the MLTI, and are accustomed to providing necessary support to allow for the installation of infrastructure to support the MLTI.

1.9.2. Home Access to the Internet

The Maine Learning Technology Foundation (MLTF), a non-profit organization, in conjunction with Great Works Internet (GWI), a Maine ISP, provides free dialup connectivity to all students in the participating middle schools who qualify for the Federal Free/Reduced lunch program. In addition, the MLTF sponsors reduced rate dialup and DSL broadband connectivity to students and teachers through GWI. Additional information about the MLTF and GWI program can be found at: http://maine.gov/mlti/parent/home-internet-access.shtml. The Department recognizes that dial-up connectivity is no longer as viable a solution as it was in the past. The Department is continuing to seek solutions and arrangements to facilitate broadband adoption for all families in Maine at affordable rates.

1.9.3. Content, Assessment, and Integration

Maine is a "local control" state with regard to curriculum and selection of instructional materials. Maine's statewide standards, the *Learning Results*, describe what children should know and be able to do at each grade span. Maine has adopted the *Common Core State Standards for English Language Arts* and *Mathematics*. In addition, it is anticipated that Maine will adopt the *Next Generation Science Standards* in the future upon completion. However, local school units and classroom teachers are left with academic freedom to design lessons and select materials. Although the Bidder may include options for services regarding content, assessment tools, and other materials, any such services should be premised on Maine's system of locally developed and selected curriculum, instruction and assessment.

1.9.4. Primary Research Databases

The State of Maine provides access to online content subscriptions for basic research and primary source materials in conjunction with the Maine State Library. These content subscriptions are available to all students and citizens in Maine. http://www.maine.gov/marvel

1.9.5. Program Evaluation and Assessment

The Department has an existing relationship with the Maine Education Policy Research Institute. More information about MEPRI can be found here:

http://www2.umaine.edu/mepri/

The Provider should be prepared to supply its required reports and documents in a time, manner, and format specified by the Department that will enable adequate evaluation.

Appendix E

State Profiles

2. Hawaii

2.1. Overview

Hawaii can be described as a single LEA / SEA entity, and is not considered a local control state.

The implementation of the *Common Core State Standards* (CCSS) is one of the many strategies the Hawaii Department of Education is focusing on to ready our students for success in life after high school. Implementation requires some major shifts in the teaching and learning process. In order to provide teachers with the tools and resources to align instruction and to provide students with the materials to access the expectations in the new standards, the State has developed a plan for purchasing and implementing a set of common core curricular materials. The leadership team has decided that one core program for reading and math will be purchased statewide to leverage funds, time and professional development efforts.

Hawaii's "Digital Materials Using Tablets and Laptops" approach means that the state will purchase curricular materials with a digital component. To ensure all students are able to access the digital components of the curriculum, the state will also purchase tablets for elementary and middle grades and laptops for grades 9-12. Digital materials are easily updated at little to no cost and leveraging statewide buying power will also result in lower per-unit costs.

2.2. Hawaii enrollment (projected) 2012-13

Hawaii Enrollment Projections 2013-14

Category	High School Graduating Year	Grade	Total
Regular Education	**Class of 2026**	**K**	15,349
	Class of 2025	**1**	14,303
	Class of 2024	**2**	13,778
	Class of 2023	**3**	13,336
	Class of 2022	**4**	12,766
	Class of 2021	**5**	12,502
	Class of 2020	**6**	11,527
	Class of 2019	**7**	10,874
	Class of 2018	**8**	11,040
	Class of 2017	**9**	12,194
	Class of 2016	**10**	11,275

	Class of 2015	**11**	10,549
	Class of 2014	**12**	9,059
		Subtotal	158,552
Special Education		**K-6**	8,092
		7-8	2,971
		9-12	6,119
		Subtotal	17,182
GRAND TOTAL			**175,734**

2.3. Deployment

The Hawaii DOE is planning to deploy Tablets and laptops to its teachers and students over a 3 year deployment cycle beginning with the 2013-14 school year. The estimated annual procurement of devices for staff and students will number approximately 65,000 per year (dependent on availability of funds).

2.4. Services Provided by Other Entities

2.4.1. This subsection includes more details and Hawaii-specific information that augments **Section 4, Services Provided by Other Entities.**

As described in this section, the Bidder will be responsible to coordinate the design and deployment of the bid solution in Hawaii in order to appropriately complement and leverage these activities or resources Note that this list is not exhaustive.

2.4.1.1. Hawaii Readiness

Hawaii is an LEA/SEA. Physical building readiness information is consolidated on a state level, It will be Hawaii's responsibility to address building readiness based on specifications supplied by the Provider.

2.4.1.2. Hawaii Connectivity

Hawaii is an LEA/SEA. Connectivity readiness will determined at the state level, see **Hawaii Infrastructure Readiness Matrix** below

2.5. Glossary of terms:

2.5.1. Complex Area: The Hawaii Department of Education's designation for a grouping of schools by geographical area. For the purposes of this RFP, the organizational equivalent of a Complex Area may be referred to as a District.

2.5.2. Complex Area Superintendent: The Hawaii Department of Education's designation the administrator in charge of a Complex Area. Complex Area Superintendents are supervised by the state Superintendent of Education.

2.5.3. Complex: The Hawaii Department of Education's designation for a sub-grouping of schools within the confines of a Complex Area defined as a High School, and its corresponding Intermediate and Elementary School feeder schools. These schools comprise a single K-12 Continuum.

2.5.4. HSA: The Hawaii State Assessment. This is an online electronic statewide electronic

assessment. The current vendor provider for this assessment is AIR.

2.6. Hawaii Infrastructure planning:

Hawaii's network infrastructure consists of a mix of legacy hardware (consisting primarily of a mix of 3Com and Aruba based equipment), and is shifting toward a standardized set of Cisco based wired and wireless based devices. This newer infrastructure currently supports wireless a/b/g/n networks. The Hawaii Department is currently in the process of evaluating 802.11ac based access point, although has not made yet any decisions on whether to move forward with their purchase at this time.

Following is a tentative plan of Hawaii's planned build out of wireless and fiber-based wide area network. The Wireless and school based infrastructure project is called the Converged Network Infrastructure project within Hawaii, and the fiber network is commonly referred to within Hawaii as the BTOP project.

Hawaii Infrastructure Readiness Matrix

See below for legend

School/Facility Name	District	Complex Name	Complex Area	Wireless Install	Fiber to School
Aiea Elementary	Central	Aiea	Aiea-Moanalua-Radford	A	E
Aiea High	Central	Aiea	Aiea-Moanalua-Radford	A	E
Aiea Intermediate	Central	Aiea	Aiea-Moanalua-Radford	A	E
Alvah Scott Elementary	Central	Aiea	Aiea-Moanalua-Radford	C	E
Pearl Ridge Elementary	Central	Aiea	Aiea-Moanalua-Radford	C	F
Waimalu Elementary	Central	Aiea	Aiea-Moanalua-Radford	C	E
Webling Elementary	Central	Aiea	Aiea-Moanalua-Radford	C	D
Baldwin High	Maui	Baldwin	Baldwin-Kekaulike-Maui	A	E
Iao Middle	Maui	Baldwin	Baldwin-Kekaulike-Maui	B	D
Waihee Elementary	Maui	Baldwin	Baldwin-Kekaulike-Maui	A	D
Wailuku Elementary	Maui	Baldwin	Baldwin-Kekaulike-Maui	B	E
Campbell High	Leeward	Campbell	Campbell-Kapolei-Waianae	B	E
Ewa Beach Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	A	E
Ewa Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	B	E
Ewa Makai	Leeward	Campbell	Campbell-Kapolei-Waianae	A	D
Holomua Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	C	E
Ilima Intermediate	Leeward	Campbell	Campbell-Kapolei-Waianae	B	E
Iroquois Point Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	B	E
Kaimiloa Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	A	D
Keoneula Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	C	E
Pohakea Elementary	Leeward	Campbell	Campbell-Kapolei-Waianae	A	E
Ahuimanu Elementary	Windward	Castle	Castle-Kahuku	B	D
Ben Parker Elementary	Windward	Castle	Castle-Kahuku	A	D
Castle High	Windward	Castle	Castle-Kahuku	A	E
Heeia Elementary	Windward	Castle	Castle-Kahuku	C	E
Kahaluu Elementary	Windward	Castle	Castle-Kahuku	A	E
Kaneohe Elementary	Windward	Castle	Castle-Kahuku	B	D
Kapunahala Elementary	Windward	Castle	Castle-Kahuku	A	E
King Intermediate	Windward	Castle	Castle-Kahuku	A	E

Puohala Elementary	Windward	Castle	Castle-Kahuku	A	D
Waiahole Elementary	Windward	Castle	Castle-Kahuku	B	D
Kamakahelei Middle	Kauai	Central Kauai	Kapaa-Kauai-Waimea	C	E
Kauai High	Kauai	Central Kauai	Kapaa-Kauai-Waimea	A	E
King Kaumualii Elementary	Kauai	Central Kauai	Kapaa-Kauai-Waimea	B	E
Koloa Elementary	Kauai	Central Kauai	Kapaa-Kauai-Waimea	C	E
Wilcox Elementary	Kauai	Central Kauai	Kapaa-Kauai-Waimea	C	E
Hanalei Elementary	Kauai	East Kauai	Kapaa-Kauai-Waimea	C	E
Kapaa Elementary	Kauai	East Kauai	Kapaa-Kauai-Waimea	B	E
Kapaa High	Kauai	East Kauai	Kapaa-Kauai-Waimea	A	E
Kapaa Middle	Kauai	East Kauai	Kapaa-Kauai-Waimea	A	E
Kilauea Elementary	Kauai	East Kauai	Kapaa-Kauai-Waimea	C	E
Dole Middle	Honolulu	Farrington	Farrington-Kaiser	A	E
Farrington High	Honolulu	Farrington	Farrington-Kaiser	A	E
Fern Elementary	Honolulu	Farrington	Farrington-Kaiser	A	E
Kaewai Elementary	Honolulu	Farrington	Farrington-Kaiser	A	D
Kalakaua Middle	Honolulu	Farrington	Farrington-Kaiser	B	E
Kalihi Elementary	Honolulu	Farrington	Farrington-Kaiser	A	D
Kalihi Kai Elementary	Honolulu	Farrington	Farrington-Kaiser	B	D
Kalihi Uka Elementary	Honolulu	Farrington	Farrington-Kaiser	A	D
Kalihi Waena Elementary	Honolulu	Farrington	Farrington-Kaiser	A	E
Kapalama Elementary	Honolulu	Farrington	Farrington-Kaiser	B	E
Linapuni Elementary	Honolulu	Farrington	Farrington-Kaiser	B	E
Puuhale Elementary	Honolulu	Farrington	Farrington-Kaiser	A	E
Hana High and Elementary	Maui	Hana	Hana-Lahainaluna-Lanai-Molokai	A	F
De Silva Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	C	E
Haaheo Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Hilo High	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Hilo Intermediate	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	B	E
Hilo Union Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Kalanianaole Elementary and Inter.	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Kapiolani Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Kaumana Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	C	E
Keaukaha Elementary	Hawaii	Hilo	Hilo-Laupahoehoe-Waiakea	A	E
Honokaa Elementary	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Honokaa High and Intermediate	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	A	E
Paauilo Elementary and Intermediate	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Waikoloa Elementary	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	B	E
Waimea Elementary and Intermediate	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	B	E
Waimea Middle	Hawaii	Honokaa	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Hauula Elementary	Windward	Kahuku	Castle-Kahuku	B	D
Kaaawa Elementary	Windward	Kahuku	Castle-Kahuku	B	E
Kahuku Elementary	Windward	Kahuku	Castle-Kahuku	C	D
Kahuku High and Intermediate	Windward	Kahuku	Castle-Kahuku	A	E
Laie Elementary	Windward	Kahuku	Castle-Kahuku	B	E
Sunset Beach Elementary	Windward	Kahuku	Castle-Kahuku	B	E
Enchanted Lake Elementary	Windward	Kailua	Kailua-Kalaheo	A	D
Kaelepulu Elementary	Windward	Kailua	Kailua-Kalaheo	A	E
Kailua High	Windward	Kailua	Kailua-Kalaheo	A	E
Keolu Elementary	Windward	Kailua	Kailua-Kalaheo	A	E

Lanikai Elementary	Windward	Kailua	Kailua-Kalaheo	C	E
Maunawili Elementary	Windward	Kailua	Kailua-Kalaheo	C	D
Olomana School	Windward	Kailua	Kailua-Kalaheo	C	E
Pope Elementary	Windward	Kailua	Kailua-Kalaheo	C	D
Waimanalo Elementary and Inter	Windward	Kailua	Kailua-Kalaheo	C	E
Ala Wai Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	C	E
Aliiolani Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	B	D
Hawaii School for Deaf and Blind	Honolulu	Kaimuki	Kaimuki-Kalani	C	E
Hokulani Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	C	E
Jarrett Middle	Honolulu	Kaimuki	Kaimuki-Kalani	C	E
Jefferson Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	B	E
Kaimuki High	Honolulu	Kaimuki	Kaimuki-Kalani	A	E
Kuhio Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	B	E
Lunalilo Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	B	E
Palolo Elementary	Honolulu	Kaimuki	Kaimuki-Kalani	B	E
Washington Middle	Honolulu	Kaimuki	Kaimuki-Kalani	C	E
Aina Haina Elementary	Honolulu	Kaiser	Farrington-Kaiser	C	E
Hahaione Elementary	Honolulu	Kaiser	Farrington-Kaiser	C	D
Kaiser High	Honolulu	Kaiser	Farrington-Kaiser	C	E
Kamiloiki Elementary	Honolulu	Kaiser	Farrington-Kaiser	A	D
Koko Head Elementary	Honolulu	Kaiser	Farrington-Kaiser	C	E
Niu Valley Intermediate	Honolulu	Kaiser	Farrington-Kaiser	A	E
Wailupe Valley Elementary	Honolulu	Kaiser	Farrington-Kaiser	B	E
Aikahi Elementary	Windward	Kalaheo	Kailua-Kalaheo	C	D
Kailua Elementary	Windward	Kalaheo	Kailua-Kalaheo	C	D
Kailua Intermediate	Windward	Kalaheo	Kailua-Kalaheo	A	D
Kainalu Elementary	Windward	Kalaheo	Kailua-Kalaheo	A	E
Kalaheo High	Windward	Kalaheo	Kailua-Kalaheo	A	D
Mokapu Elementary	Windward	Kalaheo	Kailua-Kalaheo	B	F
Kahala Elementary	Honolulu	Kalani	Kaimuki-Kalani	C	F
Kaimuki Middle	Honolulu	Kalani	Kaimuki-Kalani	A	E
Kalani High	Honolulu	Kalani	Kaimuki-Kalani	A	E
Liholiho Elementary	Honolulu	Kalani	Kaimuki-Kalani	C	E
Liliuokalani Elementary	Honolulu	Kalani	Kaimuki-Kalani	B	E
Waialae Elementary	Honolulu	Kalani	Kaimuki-Kalani	C	E
Waikiki Elementary	Honolulu	Kalani	Kaimuki-Kalani	B	E
Wilson Elementary	Honolulu	Kalani	Kaimuki-Kalani	C	E
Barbers Point Elementary	Leeward	Kapolei	Campbell-Kapolei-Waianae	B	E
Kapolei Elementary	Leeward	Kapolei	Campbell-Kapolei-Waianae	B	E
Kapolei High	Leeward	Kapolei	Campbell-Kapolei-Waianae	A	E
Kapolei Middle	Leeward	Kapolei	Campbell-Kapolei-Waianae	C	E
Makakilo Elementary	Leeward	Kapolei	Campbell-Kapolei-Waianae	A	D
Mauka Lani Elementary	Leeward	Kapolei	Campbell-Kapolei-Waianae	B	E
Kau High and Pahala Elementary	Hawaii	Kau-Keaau-Pahoa	Kau-Keaau-Pahoa	A	D
Naalehu Elementary and Inter.	Hawaii	Kau-Keaau-Pahoa	Kau-Keaau-Pahoa	A	D
Keaau Elementary	Hawaii	Keaau	Kau-Keaau-Pahoa	A	D
Keaau High	Hawaii	Keaau	Kau-Keaau-Pahoa	A	D
Keaau Middle	Hawaii	Keaau	Kau-Keaau-Pahoa	A	D
Mountain View Elementary	Hawaii	Keaau	Kau-Keaau-Pahoa	A	D
Holualoa Elementary	Hawaii	Kealakehe	Honokaa-Kealakehe-Kohala-Konawaena	A	E
Kahakai Elementary	Hawaii	Kealakehe	Honokaa-Kealakehe-Kohala-Konawaena	A	E
Kealakehe Elementary	Hawaii	Kealakehe	Honokaa-Kealakehe-Kohala-	B	E

			Konawaena		
Kealakehe High	Hawaii	Kealakehe	Honokaa-Kealakehe-Kohala-Konawaena	B	E
Kealakehe Intermediate	Hawaii	Kealakehe	Honokaa-Kealakehe-Kohala-Konawaena	B	E
Kohala Elementary	Hawaii	Kohala	Honokaa-Kealakehe-Kohala-Konawaena	B	E
Kohala High	Hawaii	Kohala	Honokaa-Kealakehe-Kohala-Konawaena	A	E
Kohala Middle	Hawaii	Kohala	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Honaunau School	Hawaii	Konawaena	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Hookena Elementary	Hawaii	Konawaena	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Konawaena Elementary	Hawaii	Konawaena	Honokaa-Kealakehe-Kohala-Konawaena	C	E
Konawaena High	Hawaii	Konawaena	Honokaa-Kealakehe-Kohala-Konawaena	A	E
Konawaena Middle	Hawaii	Konawaena	Honokaa-Kealakehe-Kohala-Konawaena	C	E
King Kamehameha III Elementary	Maui	Lahainaluna	Hana-Lahainaluna-Lanai-Molokai	A	E
Lahaina Intermediate	Maui	Lahainaluna	Hana-Lahainaluna-Lanai-Molokai	A	E
Lahainaluna High	Maui	Lahainaluna	Hana-Lahainaluna-Lanai-Molokai	C	E
Nahienaena Elementary	Maui	Lahainaluna	Hana-Lahainaluna-Lanai-Molokai	C	E
Lanai High and Elementary	Maui	Lanai	Hana-Lahainaluna-Lanai-Molokai	A	E
Laupahoehoe High and Elementary	Hawaii	Laupahoehoe	Hilo-Laupahoehoe-Waiakea	C	E
Hale Kula Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	C	E
Helemano Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	C	E
Iliahi Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	B	E
Kaala Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	B	E
Leilehua High	Central	Leilehua	Leilehua-Mililani-Waialua	A	E
Solomon Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	A	E
Wahiawa Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	B	E
Wahiawa Intermediate	Central	Leilehua	Leilehua-Mililani-Waialua	B	E
Wheeler Elementary	Central	Leilehua	Leilehua-Mililani-Waialua	C	E
Wheeler Intermediate	Central	Leilehua	Leilehua-Mililani-Waialua	A	E
Kahului Elementary	Maui	Maui	Baldwin-Kekaulike-Maui	B	E
Kamalii Elementary	Maui	Maui	Baldwin-Kekaulike-Maui	C	D
Kihei Elementary	Maui	Maui	Baldwin-Kekaulike-Maui	A	D
Lihikai Elementary	Maui	Maui	Baldwin-Kekaulike-Maui	B	D
Lokelani Intermediate	Maui	Maui	Baldwin-Kekaulike-Maui	A	D
Maui High	Maui	Maui	Baldwin-Kekaulike-Maui	A	E
Maui Waena Intermediate	Maui	Maui	Baldwin-Kekaulike-Maui	B	E
Pomaikai Elementary	Maui	Maui	Baldwin-Kekaulike-Maui	C	E
Central Middle	Honolulu	McKinley	McKinley-Roosevelt	A	E
Kaahumanu Elementary	Honolulu	McKinley	McKinley-Roosevelt	C	E
Kaiulani Elementary	Honolulu	McKinley	McKinley-Roosevelt	C	E
Kauluwela Elementary	Honolulu	McKinley	McKinley-Roosevelt	A	E
Lanakila Elementary	Honolulu	McKinley	McKinley-Roosevelt	A	E
Likelike Elementary	Honolulu	McKinley	McKinley-Roosevelt	A	D
McKinley High	Honolulu	McKinley	McKinley-Roosevelt	A	E
Royal Elementary	Honolulu	McKinley	McKinley-Roosevelt	A	D
Kipapa Elementary	Central	Mililani	Leilehua-Mililani-Waialua	B	E
Mililani High	Central	Mililani	Leilehua-Mililani-Waialua	A	E
Mililani Ike Elementary	Central	Mililani	Leilehua-Mililani-Waialua	C	E
Mililani Mauka Elementary	Central	Mililani	Leilehua-Mililani-Waialua	A	E

Mililani Middle	Central	Mililani	Leilehua-Mililani-Waialua	A	E
Mililani Uka Elementary	Central	Mililani	Leilehua-Mililani-Waialua	C	D
Mililani Waena Elementary	Central	Mililani	Leilehua-Mililani-Waialua	B	D
Moanalua Elementary	Central	Moanalua	Aiea-Moanalua-Radford	A	E
Moanalua High	Central	Moanalua	Aiea-Moanalua-Radford	A	E
Moanalua Intermediate	Central	Moanalua	Aiea-Moanalua-Radford	A	E
Red Hill Elementary	Central	Moanalua	Aiea-Moanalua-Radford	C	D
Salt Lake Elementary	Central	Moanalua	Aiea-Moanalua-Radford	C	E
Shafter Elementary	Central	Moanalua	Aiea-Moanalua-Radford	B	E
Kaunakakai Elementary	Maui	Molokai	Hana-Lahainaluna-Lanai-Molokai	C	E
Kilohana Elementary	Maui	Molokai	Hana-Lahainaluna-Lanai-Molokai	B	E
Maunaloa Elementary	Maui	Molokai	Hana-Lahainaluna-Lanai-Molokai	C	E
Molokai High	Maui	Molokai	Hana-Lahainaluna-Lanai-Molokai	A	E
Molokai Intermediate	Maui	Molokai	Hana-Lahainaluna-Lanai-Molokai	C	E
Nanaikapono Elementary	Leeward	Nanakuli	Nanakuli-Pearl City-Waipahu	B	E
Nanakuli Elementary	Leeward	Nanakuli	Nanakuli-Pearl City-Waipahu	B	E
Nanakuli High and Intermediate	Leeward	Nanakuli	Nanakuli-Pearl City-Waipahu	B	E
Keonepoko Elementary	Hawaii	Pahoa	Kau-Keaau-Pahoa	A	D
Pahoa Elementary	Hawaii	Pahoa	Kau-Keaau-Pahoa	A	D
Pahoa High and Intermediate	Hawaii	Pahoa	Kau-Keaau-Pahoa	A	D
Highlands Intermediate	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Kanoelani Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Lehua Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Manana Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Momilani Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Palisades Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Pearl City Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Pearl City High	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Pearl City Highlands Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Waiau Elementary	Leeward	Pearl City	Nanakuli-Pearl City-Waipahu	A	D
Aliamanu Elementary	Central	Radford	Aiea-Moanalua-Radford	C	E
Aliamanu Intermediate	Central	Radford	Aiea-Moanalua-Radford	C	D
Hickam Elementary	Central	Radford	Aiea-Moanalua-Radford	A	E
Makalapa Elementary	Central	Radford	Aiea-Moanalua-Radford	C	E
Mokulele Elementary	Central	Radford	Aiea-Moanalua-Radford	B	E
Nimitz Elementary	Central	Radford	Aiea-Moanalua-Radford	B	E
Pearl Harbor Elementary	Central	Radford	Aiea-Moanalua-Radford	C	E
Pearl Harbor Kai Elementary	Central	Radford	Aiea-Moanalua-Radford	C	E
Radford High	Central	Radford	Aiea-Moanalua-Radford	C	E
Anuenue Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	D
Kawananakoa Middle	Honolulu	Roosevelt	McKinley-Roosevelt	A	D
Lincoln Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	D
Maemae Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	E
Manoa Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	E
Noelani Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	E
Nuuanu Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	D
Pauoa Elementary	Honolulu	Roosevelt	McKinley-Roosevelt	A	E
Roosevelt High	Honolulu	Roosevelt	McKinley-Roosevelt	A	E
Stevenson Middle	Honolulu	Roosevelt	McKinley-Roosevelt	C	E
Haiku Elementary	Maui	Upcountry	Baldwin-Kekaulike-Maui	C	E
Kalama Intermediate	Maui	Upcountry	Baldwin-Kekaulike-Maui	C	E
King Kekaulike High	Maui	Upcountry	Baldwin-Kekaulike-Maui	A	E
Kula Elementary	Maui	Upcountry	Baldwin-Kekaulike-Maui	C	E

Makawao Elementary	Maui	Upcountry	Baldwin-Kekaulike-Maui	C	D
Paia Elementary	Maui	Upcountry	Baldwin-Kekaulike-Maui	A	D
Pukalani Elementary	Maui	Upcountry	Baldwin-Kekaulike-Maui	A	D
Waiakea Elementary	Hawaii	Waiakea	Hilo-Laupahoehoe-Waiakea	C	E
Waiakea High	Hawaii	Waiakea	Hilo-Laupahoehoe-Waiakea	B	E
Waiakea Intermediate	Hawaii	Waiakea	Hilo-Laupahoehoe-Waiakea	A	E
Waiakeawaena Elementary	Hawaii	Waiakea	Hilo-Laupahoehoe-Waiakea	C	E
Haleiwa Elementary	Central	Waialua	Leilehua-Mililani-Waialua	A	E
Waialua Elementary	Central	Waialua	Leilehua-Mililani-Waialua	A	E
Waialua High	Central	Waialua	Leilehua-Mililani-Waialua	A	E
Kamaile Elementary	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Leihoku Elementary	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Maili Elementary	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Makaha Elementary	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Waianae Elementary	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Waianae High	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
Waianae Intermediate	Leeward	Waianae	Campbell-Kapolei-Waianae	A	D
August Ahrens Elementary	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Honowai Elementary	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Kaleiopuu Elementary	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Waikele Elementary	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Waipahu Elementary	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Waipahu High	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Waipahu Intermediate	Leeward	Waipahu	Nanakuli-Pearl City-Waipahu	A	D
Eleele Elementary	Kauai	West Kauai	Kapaa-Kauai-Waimea	C	E
Kalaheo Elementary	Kauai	West Kauai	Kapaa-Kauai-Waimea	B	E
Kekaha Elementary	Kauai	West Kauai	Kapaa-Kauai-Waimea	B	E
Niihau School	Kauai	West Kauai	Kapaa-Kauai-Waimea	B	E
Waimea Canyon Elementary and Inter.	Kauai	West Kauai	Kapaa-Kauai-Waimea	A	E
Waimea High	Kauai	West Kauai	Kapaa-Kauai-Waimea	A	E

Legend		
Converged Infastructure-	Cisco Wireless Installed by June 2013	A
	Cisco Wireless Installed by January 2014	B
	Cisco Wireless Installed by June 2014	C
BTOP-	Fiber Installed at School Now	D
	Fiber Installed at School by June 2013	E
	Fiber Potential Delays Beyond June 2013	F

2.7. NASPO Intent to Participate

A copy of the State of Hawaii's Intent to Participate letter may be downloaded from http://www.maine.gov/mlti/rfp/201210412_hawaii_ip.pdf.

Appendix E

State Profiles

3. Vermont

Vermont seeks to become a partner under this process and here provides a snapshot of the education technology landscape in Vermont:

3.1. Demographics

Student population in Public Schools for SY2011-12: 89,301 (includes 4 public/private institutions)
Number of public schools in Vermont: 312
Number of actual computing devices in Vermont schools as of SY2010-11: 42,207

Number of current 1:1 computing programs in Vermont as estimated in SY2011-12 (number derived from actual survey on SY2010-11 and estimated from additional programs in 2011-12: **120**, (this could include 1:1 programs schoolwide, at a particular grade level, or in one portion of a school building).

3.2. Services Provided by Other Entities

3.2.1. This subsection includes more details and Vermont-specific information that augments **Section 4, Services Provided by Other Entities.**

As described in this section, the Bidder will be responsible to coordinate the design and deployment of the bid solution in Vermont in order to appropriately complement and leverage these activities or resources Note that this list is not exhaustive.

3.2.1.1. Building Preparedness
Vermont contains 60 LEA's with multiple school buildings within each. A readiness scheme is currently being developed to determine the building readiness for this initiative.

3.2.1.2. Connectivity and adequate bandwidth to each school building
Vermont contains 60 LEA's with multiple school buildings within each. A readiness scheme being currently developed will be coordinated with an annual technology survey that will help determine each schools connectivity capacity.

3.2.1.3. Content, Assessment, and Integration
All schools in Vermont are currently in the implementation phase of *Common Core* standards and preparing for the Smarter Balanced Assessments in 2014-15. The Vermont Department of Education is also fostering a statewide effort to move curriculum materials to a digital format.

3.3. Broadband

Current broadband capacity at Vermont schools, (data from SY2010-11): The following tables indicate connectivity types and estimated download speeds at Vermont schools:

Type of connection	# of schools
Cable	84
DSL	56
Fiber optic	78
Other Copper (T1)	36
Fixed Wireless or WISP	3
Mobile Wireless	1
Other	15
Satellite	1

Download Speed	# of Schools
Less than or equal to 768 kbps	3
Greater than or equal to 768 kbps and less than 1.5 mbps	12
Greater than or equal to 1.5 mbps and less than 3 mbps	35
Greater than or equal to 3 mbps and less than 6 mbps	38
Greater than or equal to 6 mbps and less than 10 mbps	33
Greater than or equal to 10 mbps and less than 25 mbps	65
Greater than or equal to 25 mbps and less than 50 mbps	63
Greater than or equal to 50 mbps and less than 100 mbps	13
Greater than or equal to 100 mbps and less than 1 Gbps	12

3.4. Budget/Funding:

Vermont is making available the opportunity to purchase from this RFP process for school year 2013-14. The preference would be for devices to be available for delivery in May/June of 2013 in preparation for deployment to students in September of 2013.

At the time of writing this RFP, funding for the devices is the responsibility of the local school or district, and the State of Vermont or the Vermont Department of Education, while supporting the initiative and managing the deployment of the devices into SY 2013-14, has limited liability in the financial obligation to vendors. The decision to partake of the opportunity is solely at the discretion of the local school or district entity

3.5. Purchasing authority for multi-state and co-operative agreements:

Title 29: Public Property and Supplies
Chapter 49: DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
29 V.S.A. § 903a. Alternative purchasing sources

§ 903a. Alternative purchasing sources
As an alternative to the procedures set forth in § 903 of this title, the commissioner may elect to purchase any of the items mentioned in this chapter through a program established by the federal general services administration to supply federal agencies with supplies and materials, or may choose to participate in cooperative purchases with other states, provided that the commissioner first determines that purchasing through the general services administration or cooperative agreements with other states is in the best interest of the state as provided in subsection 903(b) of this title. (Added 1995, No. 178 (Adj. Sess.), § 298.)

3.6. NASPO Intent to Participate

A copy of the State of Vermont's Intent to Participate letter may be downloaded from http://www.maine.gov/mlti/rfp/201210412_vermont_ip.pdf.

4. Additional NASPO Intent to Participate, Additional States

The following states have submitted NASPO Intent to Participate letters:

- Montana

Appendix F

Letter from Microsoft specifying discounts that can be applied to any proposal that offers Microsoft applications as part of the Bidder's proposed solution.

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399

Tel 425 882 8080
Fax 425 936 7329
http://www.microsoft.com/

Microsoft

October 8, 2012

Jeff Mao
Learning Technology Policy Director
Maine DOE
23 State House Station Augusta, Maine

Re: Shape the Future Letter of Eligibility for State of Maine initiative (#1392)

Microsoft hereby approves the Maine DOE eligibility to request order fulfillment for the specified maximum quantity of Windows® 8 Professional (National Academic Only) English language licenses for distribution to the list of K-12 school institutions in Appendix A and only in association with the State of Maine initiative.

Maximum quantity licenses: 110,000 Windows® 8 Professional (National Academic Only)

This LOE must be provided to an OEM that has entered into a direct OEM licensing relationship with Microsoft for Microsoft software prior to distribution of the licenses. The Windows® 8 Professional (National Academic Only) licenses may only be distributed to the K-12 school institutions in association with the State of Maine initiative.

Microsoft may request that Maine DOE submits an OEM invoice, shipment report or similar documentation as proof of receipt of the Windows® 8 Professional (National Academic Only) licenses.

This LOE will expire 12 months from the date of this letter. Any modifications or extensions to this LOE must be in writing and issued by Microsoft.

Note: Any English-language offering of Windows Product requires use of Microsoft's OEM Activation technology.

Inquiries related to this LOE should be submitted to oemedsku@microsoft.com.

Reference Number: PRI#1392

Note: "Appendix A" referenced above may be downloaded from http://www.maine.gov/mlti/rfp/201210412_microsoft_appendix_a.pdf and a letter of intent for other states may be downloaded from http://www.maine.gov/mlti/rfp/201210412_microsoft_letter_of_support.pdf

Appendix G – Additional Forms – Staff Experience with Similar Projects

Instructions: Provide the following information to describe each senior staff member's experience with a similar project(s) – one form for each project. The information your firm provides will be used to evaluate your staff's experience with projects similar to the work described in this RFP. The Evaluation Team will also use the references your firm provides to verify the work.

Employee Name _____ Employee Position _____

Firm Name _____

Name of Client: _____

Type of Entity: _____ Government _____ School _____ Non-profit _____ For-Profit Private Sector

1. Approximate number of users on the client's system: _____

2. Approximate dates of engagement: From _____ To _____

3. Describe the purpose and objectives of work.

4. Describe the nature of work performed.

5. Describe the employees' role relative to this client's project.

6. Describe the employees' role relative to this RFP.

Current Supervisor's Name: _____ Phone Number: _____

Project Supervisor's Name*: _____ Phone Number: _____

* Name of supervisor(s) while working on the above Client project.

Appendix G – Additional Forms – Portable Computing Device Specifications Summary

Instructions: Complete this worksheet for each type of technology solution proposed. Fill in each blank with the requested information. You may attach additional pages to provide complete information where required. This bid does not require that all these fields be accounted for, but if a Bidder is providing an option that fits one of these categories, these fields must be completed. Please specify which items are optional, if any. If additional items (fields) need to be added to this list of products and services to best reflect your proposed solution, please make note of this and add any necessary data.

Network Connectivity

Wireless Type _____ Speed _____

Wired Type _____ Speed _____

Modem Type _____ Speed _____

Portable Device(s)

Manufacturer _____ Processor Speed _____

Chip Manufacturer _____ Chip Type _____

Random Access Memory

Chip Type _____ Capacity _____

Data	Type	Capacity	Speed
Mass Storage	_____	_____	_____
Optical Drive	_____	_____	_____
Removeable Media	_____	_____	_____

Audio Subsystem

Chipset Manufacturer _____ Model _____

Audio in Type(s)_____

Audio out Type(s)_____

Video Subsystem

Chipset Manufacturer _____ Model _____

VRAM Capacity_____ Ext. Output type_____

Monitor Display

Display Size_____ Characteristics_____

Resolution_____

Input

Keyboard Type_____ Size _____

Pointing Device Type (check all that apply)

Touch Pad_____ Acutrack_____

Roller Ball_____ External Mouse_____

Other _____Explain _____

Battery

Type _____ Duration _____

Method of Charging _____ Spare battery(y/n) _____

PowerSupply/Batttery Charger

Integrated (y/n) _____ Separate (y/n) _____

Alternate Power Source

_____

_____

_____

Dimensions

Weight – Device only _____ Size _____

Carry Weight with Power Supply, Power Cord, required accessories and Carrying Case

_____

Accessories

_____

_____

_____

Ruggedness

Fully describe features of all components (to include but not be limited to keyboard, laptop case, etc.) designed to withstand extensive use and possible abuse by students.

_____

_____

_____

Please describe other Portable Device specifications

_____

_____

_____

Appendix G – Additional Forms – Wireless Local Area Network (WLAN) Specifications Summary

Manufacturer _____

Wireless Transmission Rate of _____ MB/sec at a range of 50 feet

_____ MB/sec at a range of 100 feet

_____ MB/sec at a range of 200 feet

Maximum Range of _____ feet

Full disclosure of the capabilities and limitations of the wireless technology proposed must be included such as interference between classrooms, distance and object penetration data, and susceptibility to interference from outside sources.

Please describe the average amount of time in hours per month the system will be down for regular scheduled maintenance. Also describe how maintenance will be accomplished so that the impact on system availability is minimized.

_____
_____
_____
_____
_____

Please describe how backup systems will be utilized so that the impact on system availability is minimized.

_____
_____
_____
_____
_____

Please describe other WLAN specifications

_____
_____
_____
_____