

BOARDS OF COOPERATIVE EDUCATION SERVICES

Regional Technology Plan

5-YEAR 793 PLAN FOR TECHNOLOGY SERVICES

2023-2028

Western New York Regional Information Center

Revised: December 2022

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Section One: Regional Technology Planning Process

The Planning Process

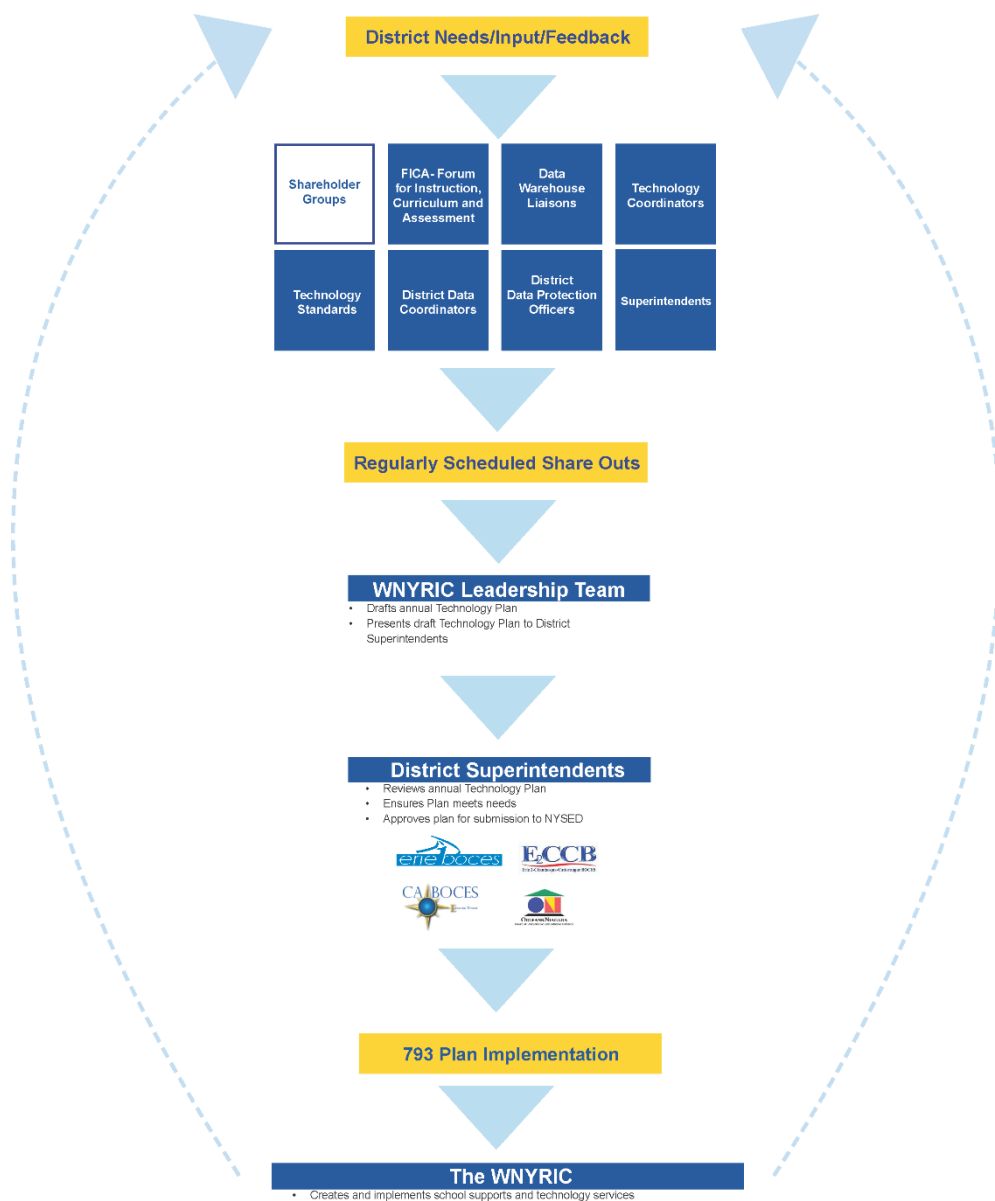
The Planning process provides direction to the WNYRIC by collecting information that provides keen insight into the needs of the school districts served by the WNYRIC.

These needs are collected by various shareholder groups comprised of leaders representing each division of the WNYRIC. Shareholder groups give their input to District Superintendents for each of the BOCES we serve. Once District Superintendents review and approve these needs, the WNYRIC begins to update or draft the plan.

As the WNYRIC implements the plan, it is responsible for monitoring the progress of each of the goals outlined. These progress reports are distributed to shareholder groups as a tool to guide discussion about future needs, feedback and input as to what can be done to better serve our schools.

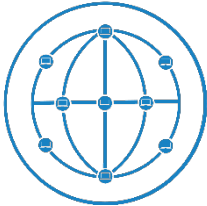



Identifying and Prioritizing Regional Needs

A range of broad-based shareholder groups and other broad-based fact-finding methods are used to gather information for the purpose of framing the challenges facing school districts in the region. Care is taken to ensure no constituent shareholders are excluded. This results in the development of a plan that contains meaningful contributions from representatives of all school districts in the region, reflecting not only their needs, but also WNYRIC's objectives to address those needs.

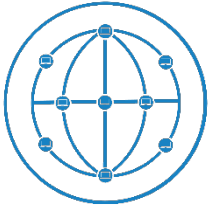





Section Two: Current Context

Plan Scope and Regional Priorities

Plan Scope & Regional Priorities				
	Technology Leadership	Instructional Leadership	Data Leadership	Data Privacy and Security
	Maintain and evolve technology environments to support instructional and administrative needs.	Provide and reinforce best practices to support instruction to enhance all students' learning.	Lead, guide and support regional instructional and administrative data requirements and district needs.	Provide and maintain a robust security environment to support the protection and reliability of data.

Section Three: Five Year Technology Plan

Scope	Goal	Objectives	NYSED Aligned Priorities
 Technology Leadership	Maintain and evolve technology environments to support instructional and administrative needs.	Provide devices and access to support online learning	1/3
		Provide and support secure and cost-effective cloud offerings	3/6
		Provide and support a secure and robust network environment	6
		Plan for disaster recovery and redundancy	6
 Instructional Leadership	Provide and reinforce best practices to support technology integration for instruction to enhance all students' learning.	Support districts in understanding and implementing computer science and digital fluency standards	3
		Availability of programs to support online learning	2/3
		Prepare students for college and/or careers	2/3
		Access and engagement for all students	2
		Implement tech integration strategies that align with NYS learning standards	2/3/4
 Data Leadership	Lead, guide and support regional instructional and administrative data initiatives.	Provide data views and reports for use in a multiple measure data approach to assess, analyze and prescribe learning plans for all students	5
		Provide guidance and support for NYSED data collection, requirements and reporting process	5
		Implement and support new and existing data management systems that enhance regional services	5
 Data Privacy and Security	Provide and maintain a robust security environment to support the protection and reliability of data.	Provide guidance regarding Ed Law 2D compliance	6
		Provide cybersecurity guidance and support	6

Section 4: Plan Benefits

It is imperative for the school districts in the WNYRIC region to remain on the cutting edge as new technology and applications develop at a rapid pace. The role of the WNYRIC is to provide high quality professional development, innovative technology supports, access to on-demand customer service, and provide secure access to district data needs. The WNYRIC continues to enhance existing services with updated functionality, as well as offer new products to provide for the effective management of student information and meet the needs of school districts. As a result, WNYRIC staff will continue to investigate emerging technologies including their administrative and instructional uses and implications.

Digital Learning and Fluency Standards will provide the foundation for online offerings that support remote synchronous/asynchronous learning on the part of teachers, students, and school communities. The WNYRIC continues to examine new technologies to provide cost effective access from any device for administrators, teachers, and learners. We ensure that legal and district policies are in place to safely and securely navigate within these environments as compliant with Ed Law 2d and Part 121 Regulations. We continue to provide new instructional technology offerings through the statewide RFP process that is conducted by the WNYRIC.

Technology contributes significantly to how data is used for instructional planning and student achievement. We provide school administrators and teachers with critical information to target resources and forge instructional strategies to assist in the educational success of all students. The WNYRIC continues to be a leader in the collection and reporting of data that supports the tremendous impact of technology on instruction and student learning. WNYRIC staff investigates/researches/assists school districts with formative, summative, and innovative online and authentic assessment use that aligns with Computer Based Testing needs and the expectations of the NYS Blue Ribbon Commission. This is accomplished through effective technology planning as well as providing the essential professional development needed for successful implementation. WNYRIC staff continues to operate at a high level when it comes to all data privacy and security. We research and communicate potential threats and risks to ensure the protection of student information.

Using the input of the region and recommendations from the WNYRIC Standards committee, we establish a single set of service delivery standards that encompass hardware and telecommunications protocols. This allows us to provide consistent infrastructure services to all districts. The WNYRIC continues to design and implement the most cost effective, secure and robust bandwidth (network connectivity), including the utilization of priority layered design. Through our partnerships with multiple vendors and facilitating competitive bidding practices, we obtain a strong price advantage.

Optimization of the WNYRIC Service Desk is achieved using trend analysis to optimize services offered. We use video and centralized service tools to facilitate anytime self-service. Staff utilize the inclusive Active Directory to aid in efficient sharing of resources. For network infrastructure security enhancements, the WNYRIC staff implements cost optimization methods for wide area and local area network security. We remain focused on the continual enhancement of our Disaster Recovery (DR) and Business Continuity (BC) Plans and Procedures. The WNYRIC continues to update the Disaster Recovery Initiatives for our Tier 1 applications, as appropriate, and Tier 2 applications will be implemented based on time of recovery needs.

Section Five: Results from Previous Plan

Previous Plan Goals:

- Provide a secure, robust, cost-effective infrastructure at WNYRIC, in the cloud, as well as in the district as appropriate.
- Continue to enhance instructional offerings under CSLO
- Develop and provide data systems, processes and services in support of accountability and or instructional improvement
- Support the initiative for Computer Based Testing (CBT)
- Continue to enhance existing services with updated functionality and new product offerings

Results: 793 Plan for 2015 - 2023

Goal: Provide a secure, robust, cost-effective infrastructure at WNYRIC, in the cloud, as well as in the district as appropriate

Objective	Results
1.1 Continue to ensure affordable access to high speed broadband in schools, libraries, and local municipalities through competitive bidding practices	<p>The most flexible, cost effective resilient, redundant and robust internet and school district intranet network is in place.</p> <p>9/17/20 - New 5-year Broadband contract has been finalized with Spectrum. Aging equipment has been replaced in districts subscribing to the Broadband Service.</p> <p>3/11/21 - All hardware has been installed for new Broadband Connections. 75% of district circuits have been upgraded.</p>
1.2 Continue to review and implement cost effective Disaster Recovery and Business Continuity initiatives for applicable Tier 1 applications and continue to design DRBC strategies for Tier 2 applications based on time of recovery needs.	<p>Continued enhancement of DR readiness for WNYRIC Tier 1 applications with DR cycle testing in place and Tier 2 applications DR readiness complete based on required time of recovery needs.</p> <p>3/11/21 - Initiating steps for walkthroughs, simulations, and full interruption testing.</p>
1.3 Implementation of centralized, network security tools for wide area network and local area network security.	Goal is realized as the most effective security measures are put in place on our network based on recent or future network threats. These security measures are implemented by WNYRIC network engineering staff in the local school districts, as necessary.
1.4 Implement Change Management to effectively communicate with end users and staff regarding process or technical changes to avoid downtime or outages. <ul style="list-style-type: none"> ○ Configuration Management ○ Release Management 	Change Management is in place and ITIL (Information Technology Infrastructure Library) best practices are in place and communicated to the field.
1.5 Enhance how stake holders are informed of bandwidth utilization trends to better prepare and implement optimization strategies to optimize bandwidth availability	Reporting four times a year at Advisory Council, Standards, DL consortium, and Technology Coordinators.
1.6 Research, design and implementation strategies are shared to ensure a robust managed wireless	The most flexible, cost effective resilient, redundant and robust centrally managed wireless network is in place which can support the school district and BOCES needs.

Objective	Results
network is in place in school districts and BOCES	9/17/20 - Adopted new Remote Access Point (RAP) tunneling technology to extend wireless infrastructure and authentication to remote facilities, easing administration by reducing hardware requirements.
1.7 Continue work with other BOCES/RICs and districts to find cost effective ways to deliver internet bandwidth and network security	Cost effective methods are in use by customers.
1.8 Improve network infrastructure, security, and management options for public libraries by connecting to district broadband	Connections to public libraries requested to school districts are in place. 3/11/21 - There are no libraries currently in the service. Due to enhanced alternate funding sources.
1.9 Implementation of cost-effective network security service utilizing the latest software and hardware security tools for wide area and local area networks	Security Service is available and implemented as districts engage in other technologies that impact network security.
1.10 Continue to investigate emerging technologies	Pilot projects are implemented 12/10/20-Investigating possible supplemental VoIP service to ensure compliance with new federal laws surrounding E-911 (Kari's Law and Ray Baum's Act).
1.11 Provide enhanced services in response to emerging customer needs	Services to respond to emerging districts needs are provided.
	9/17/20 - Proactively researching expanding NYSERNET and increasing bandwidth with other vendors. New enhancement to WNYRIC VoIP Service allowing staff/teachers to use business phone number remotely, without revealing personal phone information. Covid-related WNYRIC Extended Classroom Service enhancements: <ol style="list-style-type: none"> 1. Fostered additional hotspot availability through Verizon (for duration of crisis) 2. Participating in NYS-RIC Kajeet Hotspot Program. Provided over 2400 hotspots to WNYRIC district to support remote learning objectives.
	3/11/21 - Increased bandwidth to NYSERNET and COGENT.
1.12 Extended Classroom, Mobile Learning and Connected Transportation	Provide a safe, secure and cost-effective ways to expand broadband beyond the school campus utilizing wireless broadband and cellular LTE technology.
	9/17/20 - Covid-related WNYRIC Extended Classroom Service enhancements: <ol style="list-style-type: none"> 1. Fostered additional hotspot availability through Verizon (for duration of crisis) 2. Participating in NYS-RIC Kajeet Hotspot Program. Provided over 2400 hotspots to WNYRIC districts to support remote learning objectives.

Goal: Continue to enhance instructional offerings under CSLO

Objective	Results
2.1 Continue to provide new offerings through the statewide RFP process and ensure compliance with Education Law 2d	New RFPs are released and awarded.
	5/20/2021 - Free online resources RFP was released and 20 vendors responded. The responses will be reviewed in May.
2.2 Continue to investigate emerging technologies and their instructional uses and implications	Pilot Program implementation dates and follow up for various topics are in place.
2.3 Continue to investigate and support Science Technology Engineering, Arts and Mathematics (STEAM) initiatives throughout the region	New RFPs released and awarded.
	5/20/2021- The next STEM RFP will be released in June.

Goal: Develop and provide data systems, processes and services in support of accountability and or instructional improvement

Objective	Results
3.1 Provide services to support paper-based NYS and district created assessments	Paper-based and local assessment services are provided.
	9/17/20 - Despite cancellations of 3-8 Testing and June Regents, we continued to respond to NYSITELL answer sheet requests. Total NYSITELL administered as of 6/30 was 1149.
	12/10/20--Providing support and answer sheets for NYSITELL. Supporting districts as they order test booklets for 3-8 ELA and Math and answer sheets from us. To date, 6 districts have signed up for Vendor Scoring.
	3/11/21: Continue to support districts as we wait for the outcome for the NYS Waiver request: 1. Processing on-line orders for 3 – 8 assessments 2. Process and prepare NYSITELL answer sheets, 3. Designed and received approval on all answer sheet designs for 2021 NYS testing per specifications. 5. Prepared and presented testing updates in Dec DDC meetings. 6. Participate in NYSED weekly meetings.
	5/20/2021: Printed and shipped answer sheets for ELA and Math 3-8; processing of ELA is underway; deadline for data is end of May; Math is in progress; deadline is in June. Currently printing Science 4/8 and soon will print Regents answer sheets.
3.2 Research and support data collection requirements	Information, training and support for new data collection requirements are provided.
	9/17/20 - Level 0 upgrades installed on schedule (e.g. 15.02 Established data collection loading processes and installed special Level 0 changes needed for COVID exemption data and day calendar changes. Communications sent to districts.
	May 2020 DDC meetings rescheduled and held as webinars in June: 141 participants.
	L2RPT End of Year webinars provided in June, July and August –135 participants.
	Actively communicated with districts with outstanding data prior EOY data collection deadline. The same was done prior to the EOY certification deadline.
	12/10/20: Level 0 is current with upgrades (16.01). Began autoloading Special Ed Snapshot from SMS to Level 0. New DDC Training Program: Conducted Sessions 1 and 2. 25 participants. Final session scheduled for April. Facilitated October DDC webinar meetings. Four sessions: 124 participants. Communicated changes for UPK/PreK deadlines, staff reporting Began L2RPT BEDS webinars in Nov. Participants: 43. Will continue into Dec.
	3/11/21: Sent communications to districts for new data collection requirements for 20-21 student daily attendance. Requires additional fields for instructional modality; districts now required to send positive and negative attendance.
	Featured changes at Dec DDC webinar meetings. Dec DDC participation: 138. New collection requires SMS enhancements and Level 0 enhancements. Received and installed Level 0 enhancements for student attendance. SMS enhancements targeted to be available by end of Feb.

Objective	Results
	Will continue discussions about changes at March DDC meetings. Enrollment to date: 111.
	5/20/21: March DDC meetings held. 139 participants. Completed final Session of 20-21 New DDC Training program in April. Final 20-21 DDC meetings commence May 10. Over 150 enrolled in 3 sessions.
	Continue to support districts with new requirements for attendance data collection.
	Support for staff data collection related to Out of Certification reporting increased as deadline is in May. NYSED refined process this year. Out of Certification reporting is now via L2RPT versus IRS Portal. New collections due May/June: Districts need to report Provisional ELLs—via IDEX Portal and SIRS (COVID impact); due May/June. Part of Title III annual verification.
	Plan to offer EOY L2RPT webinars during June/July
3.3 Research, develop and maintain reporting solutions for the effective use of data, including emerging district needs	Expanded data reporting services are available.
	9/17/20 - New report/visualizations available: <ul style="list-style-type: none"> • COVID Exemptions Report-Helps to verify which students received Regents Exemptions in 2019-2020 school year • New District Comparison Visualization using NYS Report Card data (data.nysed.gov) • Created an AIS Services Required/Received report that shows whether a student should have received AIS Services along with a record of receiving them. • Created a visualization for assistance with Perkins Grant CTE Outcomes data
	12/10/20- New Individual Staff Verification Report created to help districts with teachers verifying their data after the discontinuance of TAA . In September, began offering four DW webinars per month offered for users: Navigation (39 participants to date). Verification Reports (68) Instructional Reports (63) and Visualizations (43)
	3/11/21: Continued offering DW sessions monthly: 41 participants since Dec. 11 New student daily attendance data beginning to be collected Updated Student Daily Attendance Visualization to include new fields and calculations for attendance. Participating with several RICs on a NYSED Data Quality workgroup. Primary focus is Level 0. First meeting held in mid-Feb. 5/20/21: Participating in RIC workgroup focused on Post Secondary reporting using NSC data. Will aid us in determining reporting for Level 1. Review of 3-8 ELA and Math reports to accommodate changes related to changes in testing, e.g., new Std Achieved code for Remote instruction, use of Session 1 data only. Continued offering DW webinars: Total to date: 268. Plan to offer Webinar with release of 3-8 reports. Updates to CRDC reports are in process. Reports aid districts by reducing the time required to complete the CRDC forms. Quality Control: Enhanced reporting to enable WNYRIC and other hosted RICs to monitor districts with missing data. WNYRIC developed extract for P-EBT to be shared with other RICs so that RICs can produce the files to send to Child Nutrition office on behalf of districts.

Objective	Results
3.4 Incorporate data privacy and security information into service delivery	Processes are in place to authorize appropriate access to and for the use of data.
	9/17/20 - Managed Level 0 (61) WNYRIC DW Security (56) and Test Scoring access requests. Processed deletes and Level 0 password resets. Communications sent to districts in June and July reminding them to review available audit reports. Processed delete requests. Data privacy and security was a topic at June DDC webinar meetings. Audited internal Level 0 and WNYRIC DW users and deleted users as needed.
	12/10/20: Concluded testing for new DW LDAP security changes to improve security and password reset processes. Hosted RICs currently testing Targeted implementation: Dec 7. Recent Level 0 updates included additional security features per NYSED standards—e.g. screen timeouts, password resets after 6 months. October DDC meetings—including section on privacy and security.
	3/11/21: DW: Successfully implemented DW security changes into production on Dec. 7 providing enhanced security features.
	5/20/21: DW security changes include a 90-day password expiration. Users began to receive first notices in early April. DW Support assisted users with questions about the notices and the process to update passwords.
3.5 Provide a data security and privacy service for assisting districts with managing the requirements of Ed Law 2D, as well as, other district needs	Data privacy and security service is available.
	9/17/20 - With (30) districts currently participating. Districts are developing their data inventories and preparing their public Bill of Rights pages using the inventory tool component of the service. The online professional development modules have also been deployed by many of the districts to comply with Ed Law 2D training requirements. A Data Protection Officer Service, to provide guidance and mentoring to those filling that role is also available, with 24 districts participating. The first meeting took place in August and DPOs began work on a Target Profile for the Identify function of the NIST framework.
	12/10/20 -With (34) districts currently participating. Districts are completing their data inventories and publishing their public Bill of Rights pages using the inventory tool component of the service. The online professional development modules have also been deployed by many of the districts to comply with Ed Law 2D training requirements. A Data Protection Officer Service, to provide guidance and mentoring to those filling that role is also available, with 26 districts participating. The first meeting took place in August and DPOs began work on a Target Profile for the Identify function of the NIST framework. The next meeting in November continued the work on the Identify function and introduced both a Risk Management register and the Protect Target Profile.
	3/11/21:With (34) districts currently participating. Districts are completing their data inventories and publishing their public Bill of Rights pages using the inventory tool component of the service. The online professional development modules have also been deployed by many districts to comply with Ed Law 2D training requirements.
	A Data Protection Officer Service, to provide guidance and mentoring to those filling that role is also available, with (26) districts participating. Work

Objective	Results
	<p>on the NIST Target Profile continued at the February DPO meeting. Also, districts collaborated in virtual group sessions.</p> <p>5/20/21: Thirty-six districts are currently participating in Data Privacy & Security Service. Districts continue to input their data inventories, publish their public Bill of Rights information and deploy the training modules to comply with NYS Education Law 2d requirements.</p> <p>A Data Protection Officer Service, to provide guidance and mentoring to those filling that role is also available, with (28) districts participating. At the May DPO meeting, work continued on the Asset Management category of the NIST Target Profile in both large group and breakout sessions.</p>

Objective 4: Support the initiative for Computer Based Testing (CBT)

Objective	Results
4.1 Communicate and support current NYS requirements regarding CBT	Districts are provided appropriate information and support to successfully implement NYS Computer Based Testing (CBT).
	12/10/20 Participate in weekly NYSED calls; Currently 35 districts are signed up for CBT. Provided support for Nextera e.g account questions, comparison of WNYRIC records with that loaded into Nextera, data corrections, and ensuring tech ready reports and lead scoring entity is in place. These are requirements before CBT is allowed.
	3/11/21: 3-8 ELA and Math: Continue to support to districts for Spring 2021 CBT: 1. Participate in NYSED OSA's weekly CBT meetings. 2. Process on-line orders for 3 – 8 CBT assessments. 4. Review NYSEDs CBT data, Simulation, Operational Testing and Lead Scoring entity signup lists and compare it to data in the Data Warehouse data for accuracy; reach out to districts for changes and/or update as needed. 5. Review student data in in Nextera for troubleshooting
	NYSAA Educator Portal (Kite system): Support is also provided for NYSAA CBT
4.2 Investigate/research/assist districts with readiness for online assessment use through planning for technology, providing technical expertise and best practices as needed.	5/20/21: Assisted districts with Nextera transfers, provided support as needed during administration of ELA; continue to do so as Math is administered.
	Districts are assisted with readiness for CBT or emerging online assessments.

Objective 5: Continue to enhance existing services with updated functionality and new product offerings

Objective	Results
5.1 Implement and support solutions to meet the needs of school business and Human Resources including emerging district needs.	Solutions for Financial, HR and Administrative Services are implemented and supported.
	9/17/20 – <ul style="list-style-type: none"> • The nVision team has successfully completed the upgrades from Finance Manager to nVision for 54 nVision school districts. This upgrade included extensive communication amongst all departments involved. • The WinCap team successfully completed the 2016 Server Migration, as a required security upgrade, to 33 WinCap school districts. These districts were part of a detailed timeline, which was communicated to all departments, thus making for a successful migration.
	12/10/20- <ul style="list-style-type: none"> • Finance Manager made enhancements to the nVision software, to accommodate FFCRA (Families First Coronavirus Response Act) financial reporting. The nVision team provides support to districts on the actual set-up in the nVision software. • The first WNYRIC WinCap district has successfully transitioned to the new required NYSLRS (New York State Local Retirement System) enhanced reporting. The WNYRIC WinCap team was part of this pilot, that will benefit the remaining 32 districts when they transition to this format.
	03/11/21- WinCap and nVision teams provided information to affected districts regarding a new Section 106 b of the State Technology law that was enacted that continues to prohibit the use of biometric identifying technology for any purpose. There are a couple exceptions for employees for fingerprinting, or with employee consent. Several districts had implemented time clock systems utilizing this technology. Information on disabling that functionality was provided. Sample notification is available in the document folder.
	05/20/21- The WinCap and nVision finance teams continue to assist our 97 districts with support, following the Office of the NYS Comptrollers GASB84 statement release, that requires changes in reporting fiduciary activities, effective July 1, 2021.
5.2 Implement and support solutions to meet the needs of Facilities including emerging district needs.	Solutions for Facilities Services are implemented and supported.
	9/17/20 – <ul style="list-style-type: none"> • QWare 2.0 allows students to submit tickets on equipment issues. • The option of customized health screening questions was added to the following: Raptor and TPASS for visitors; QWare for staff.
	12/10/20- <ul style="list-style-type: none"> • PLM (Professional Learning Management) districts can now take advantage of a Single Sign-On URL to access all their Frontline applications.
	03/11/2021 - Raptor Visitor Management System: The student tardy write-back feature via Clever and/or ClassLink, is now available to write back tardies from Raptor to PowerSchool.

Objective	Results
	<ul style="list-style-type: none"> Applicant Tracking: Completed the successful migration to cloud hosting with the Applicant Tracking vendor PowerSchool to improve district service and performance. <p>05/20/21- Applicant Tracking consortium members were invited to attend a presentation sponsored by the Buffalo Area Teacher Recruitment Day Committee, represented by 10 local colleges and universities. This committee discussed the outcome of the Buffalo Area Teacher Recruitment Day event and the success of their networking and mentoring programs. These programs benefit the graduates, as they will be the future teachers in our districts. Our Applicant Tracking brochure is distributed at these colleges, with instructions on how to set up an account so that graduates can apply for open positions within our districts.</p>
5.3 Implement and support solutions for the effective management of information about students, including emerging district needs.	<p>Solutions for student related data needs are implemented and supported.</p> <p>9/17/20 - New and enhanced services are being offered to help districts track COVID-19 screening. Over 30 districts are participating in these services: Frontline, Illuminate, SNAP.</p> <p>12/10/20- Student teams are staying abreast of NYS guidance and changes in attendance, grading, scheduling, etc., related to the COVID pandemic. Training and guidance are shared with districts as changes are happening.</p> <p>03/11/21- The PowerSchool and eSchoolData teams are working closely with districts to provide guidance for reporting attendance and other changing NYS data needs. Began loading new required attendance data from eSD at the end of February.</p> <p>The Websmartt Cafeteria Service team provided information to affected districts regarding a new Section 106 b of the State Technology law that was enacted which continues to prohibit the use of biometric identifying technology for any purpose. There are a couple exceptions for employees. Several districts have implemented biometric technology as part of the Point of Sale system. Information on disabling this functionality was provided. Sample notification is available in the document folder.</p> <p>5/20/21 - There are now 10 districts using Mosaic POS Cafeteria under WNYRIC support</p> <p>WNYRIC released an RFP for Student Management Systems, which closed on May 18. Responses are currently being reviewed.</p>
5.4 Implement and support solutions for the effective use of the website and notification services, including emerging district needs.	<p>New and enhanced solutions are implemented and supported.</p> <p>9/17/20 - In August 2020, WNYRIC began support of Remind classroom notification software for districts. Presently, 14 have joined the service</p> <p>03/11/2021- Remind service now has 17 districts joined.</p>
5.5 Implement and support solutions for the effective use of the email and forms services, including emerging district needs.	<p>New and enhanced solutions are implemented and supported.</p> <p>9/17/20 - An electronic forms RFP was recently awarded for modern forms software, Clevr. Team will begin to work with vendor and initial district on implementation.</p> <p>12/10/20 - First district has joined the clevr service. Webinar held Nov 12 to demo product.</p>

Objective	Results
	Email team is implementing a new email security system called FortiMail; it is expected to replace the current system and provide additional capabilities. Once installed, pilot districts will be involved and eventual roll out to all after a successful testing period. 03/11/21- FortiMail is installed and in use for Erie 1 BOCES; pilot districts expected to begin in April 2021.
	Email Archive RFP issued February 1 st and closes March 8 th . Looking for competitive pricing and vendor hosted options to reduce costs. Migrated the last district off of Lotus Notes email in February. For almost 15 years, there were close to 60 districts on that platform. Current breakdown: Exchange Online 34, Gmail 31, Exchange on Prem 4
	5/20/21-Refining FortiMail configuration with Erie 1 as a pilot to provide optimal performance and protection. Preparing to begin summer installation for schools.
	Email Archive RFP recommendations to May board meeting.
5.6 Enhance communication methods to inform constituencies efficiently and effectively.	Efficient and effective communication methods are in place and proven effective through customer feedback.
5.7 Incorporate data privacy and security information into service delivery	Data privacy and security information is provided.

Appendix A: Regulatory Requirements Summary

Required Element	Page(s)
A description of the regional collaborative planning process	3
A description of how the regional technology plan supports efficient and effective provision of technology services, which includes a description of major challenges to be addressed by the plan.	3
A description of how the regional technology plan addresses the technology and data priorities and needs of the state, and how such plan will increase school district access to technology and assist school districts in developing and maintaining robust information privacy, information security, and cybersecurity controls;	5-6
State Priority 1: Improving digital equity, including increasing student and teachers access to devices and broadband internet both in school buildings and in place(s) of residence;	5
State Priority 2: Increasing access to technology-enhanced, culturally- and linguistically-responsive, differentiated, and personalized learning environments to support improved teaching and learning for all students, including students with disabilities and English language learners (ELLs)	5
State Priority 3: Increasing equitable access to high-quality instruction, courses, and multi-modal learning experiences through digital technology, including but not limited to advanced courses, for all districts, including small, rural, and/or high -needs districts;	5
State Priority 4: Providing access to relevant and rigorous professional development to ensure educators and leaders are proficient in technology for both instructional and administrative purposes;	5
State Priority 5: Utilize, maintain, and continue to enhance a robust data environment, including but not limited to the multiple data collection points within the Student Information Repository System (SIRS) and all data applications within the New York State Business Application Portal, to positively impact instruction and decision-making;	5
State Priority 6: Implementing and maintaining data privacy and security controls ensuring compliance with all applicable privacy laws and regulations including, but not limited to, New York Education Law 2-d.	5
A list of regional priorities and needs that the regional technology plan will address;	4
A description of the methods used to identify and priorities needs in the region, which shall include engagement with key stakeholder groups;	3
A list of quantifiable goals and a description of how the goals will directly address the regional technology needs and improve service delivery over the next five years;	4-6
Performance objectives for the first two years of the plan;	5
A description of the procedures which will be put in place to monitor the plan's implementation;	3
An evaluation of the performance objectives for the previous two years; and	7-17
Appendix A	18
Appendix B	19
Appendix C	20 (attached documents)

Appendix B: Cooperative Planning Assurances

I approve the regional collaborative planning process used to develop and maintain our regional technology plan.

I assure that my BOCES participated fully in the development of this regional plan.

I assure that users, as defined in guidance, were substantively involved in the development of this plan.

I assure that all technology services offered by my BOCES and the Regional Information Center are cost-effective.

_____ Scott Payne Cattaraugus/Alleghany BOCES	_____ Date
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_____ Dr. Michael Capuana Erie 1 BOCES	_____ Date
--	---------------

_____ Dr. David O'Rourke Erie 2/Chautauqua/Cattaraugus BOCES	_____ Date
--	---------------

_____ Dr. Clark J. Godshall Orleans/Niagara BOCES	_____ Date
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Appendix C: Agencies Use of Applications

Please see the separate enclosed document for a complete list of service applications.