

DATA PRIVACY AGREEMENT

Schenectady City School District

and

Aperture Education

This Data Privacy Agreement ("DPA") is by and between the Schenectady City School District ("EA"), an Educational Agency, and Aperture Education ("Contractor"), collectively, the "Parties".

ARTICLE I: DEFINITIONS

As used in this DPA, the following terms shall have the following meanings:

- 1. Breach:** The unauthorized acquisition, access, use, or disclosure of Personally Identifiable Information in a manner not permitted by State and federal laws, rules and regulations, or in a manner which compromises its security or privacy, or by or to a person not authorized to acquire, access, use, or receive it, or a Breach of Contractor's security that leads to the accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to Personally Identifiable Information.
- 2. Commercial or Marketing Purpose:** means the sale, use or disclosure of Personally Identifiable Information for purposes of receiving remuneration, whether directly or indirectly; the sale, use or disclosure of Personally Identifiable Information for advertising purposes; or the sale, use or disclosure of Personally Identifiable Information to develop, improve or market products or services to students.
- 3. Disclose:** To permit access to, or the release, transfer, or other communication of personally identifiable information by any means, including oral, written or electronic, whether intended or unintended.
- 4. Education Record:** An education record as defined in the Family Educational Rights and Privacy Act and its implementing regulations, 20 U.S.C. 1232g and 34 C.F.R. Part 99, respectively.
- 5. Educational Agency:** As defined in Education Law 2-d, a school district, board of cooperative educational services, school, charter school, or the New York State Education Department.
- 6. Eligible Student:** A student who is eighteen years of age or older.
- 7. Encrypt or Encryption:** As defined in the Health Insurance Portability and Accountability Act of 1996 (HIPAA) Security Rule at 45 CFR 164.304, means the use of an algorithmic process to transform Personally Identifiable Information into an unusable, unreadable, or indecipherable form in which there is a low probability of assigning meaning without use of a confidential process or key.

- 8. NIST Cybersecurity Framework:** The U.S. Department of Commerce National Institute for Standards and Technology Framework for Improving Critical Infrastructure Cybersecurity Version 1.1.
- 9. Parent:** A parent, legal guardian or person in parental relation to the Student.
- 10. Personally Identifiable Information (PII):** Means personally identifiable information as defined in section 99.3 of Title 34 of the Code of Federal Regulations implementing the Family Educational Rights and Privacy Act, 20 U.S.C 1232g, and Teacher or Principal APPR Data, as defined below.
- 11. Release:** Shall have the same meaning as Disclose.
- 12. School:** Any public elementary or secondary school including a charter school, universal pre-kindergarten program authorized pursuant to Education Law § 3602-e, an approved provider of preschool special education, any other publicly funded pre-kindergarten program, a school serving children in a special act school district as defined in Education Law § 4001, an approved private school for the education of students with disabilities, a State-supported school subject to the provisions of Article 85 of the Education Law, or a State-operated school subject to the provisions of Articles 87 or 88 of the Education Law.
- 13. Student:** Any person attending or seeking to enroll in an Educational Agency.
- 14. Student Data:** Personally identifiable information as defined in section 99.3 of Title 34 of the Code of Federal Regulations implementing the Family Educational Rights and Privacy Act, 20 U.S.C 1232g.
- 15. Subcontractor:** Contractor's non-employee agents, consultants and/or subcontractors engaged in the provision of services pursuant to the Service Agreement.
- 16. Teacher or Principal APPR Data:** Personally Identifiable Information from the records of an Educational Agency relating to the annual professional performance reviews of classroom teachers or principals that is confidential and not subject to release under the provisions of Education Law §§ 3012-c and 3012-d.

ARTICLE II: PRIVACY AND SECURITY OF PII

1. Compliance with Law.

In order for Contractor to provide certain services ("Services") to the EA pursuant to a contract dated August 1, 2022 ("Service Agreement"); Contractor may receive PII regulated by several New York and federal laws and regulations, among them, the Family Educational Rights and Privacy Act ("FERPA") at 12 U.S.C. 1232g (34 CFR Part 99); Children's Online Privacy Protection Act ("COPPA") at 15 U.S.C. 6501-6502 (16 CFR Part 312); Protection of Pupil Rights Amendment ("PPRA") at 20 U.S.C. 1232h (34 CFR Part 98); the Individuals with Disabilities Education Act ("IDEA") at 20 U.S.C. 1400 et seq. (34 CFR Part 300); New York Education Law Section 2-d; and the Commissioner of Education's Regulations at 8 NYCRR Part 121. The Parties enter this DPA to address the requirements of New York law. Contractor agrees to maintain the confidentiality and security of PII in accordance with applicable New York, federal and local laws, rules and regulations.

2. Authorized Use.

Contractor has no property or licensing rights or claims of ownership to PII, and Contractor must not use PII for any purpose other than to provide the Services set forth in the Service Agreement. Neither the Services provided nor the manner in which such Services are provided shall violate New York law.

3. Data Security and Privacy Plan.

Contractor shall adopt and maintain administrative, technical and physical safeguards, measures and controls to manage privacy and security risks and protect PII in a manner that complies with New York State, federal and local laws and regulations and the EA's policies. Education Law Section 2-d requires that Contractor provide the EA with a Data Privacy and Security Plan that outlines such safeguards, measures and controls including how the Contractor will implement all applicable state, federal and local data security and privacy requirements. Contractor's Data Security and Privacy Plan is attached to this DPA as Exhibit C.

4. EA's Data Security and Privacy Policy

State law and regulation requires the EA to adopt a data security and privacy policy that complies with Part 121 of the Regulations of the Commissioner of Education and aligns with the NIST Cyber Security Framework. Contractor shall comply with the EA's data security and privacy policy and other applicable policies.

5. Right of Review and Audit.

Upon request by the EA, Contractor shall provide the EA with copies of its policies and related procedures that pertain to the protection of PII. It may be made available in a form that does not violate Contractor's own information security policies, confidentiality obligations, and applicable laws. In addition, Contractor may be required to undergo an audit of its privacy and security safeguards, measures and controls as it pertains to alignment with the requirements of New York State laws and regulations, the EA's policies applicable to Contractor, and alignment with the NIST Cybersecurity Framework performed by an independent third party at Contractor's expense, and provide the audit report to the EA. Contractor may provide the EA with a recent industry standard independent audit report on Contractor's privacy and security practices as an alternative to undergoing an audit.

6. Contractor's Employees and Subcontractors.

- (a) Contractor shall only disclose PII to Contractor's employees and subcontractors who need to know the PII in order to provide the Services and the disclosure of PII shall be limited to the extent necessary to provide such Services. Contractor shall ensure that all such employees and subcontractors comply with the terms of this DPA.
- (b) Contractor must ensure that each subcontractor performing functions pursuant to the Service Agreement where the subcontractor will receive or have access to PII is contractually bound by a written agreement that includes confidentiality and data

security obligations equivalent to, consistent with, and no less protective than, those found in this DPA.

- (c) Contractor shall examine the data security and privacy measures of its subcontractors prior to utilizing the subcontractor. If at any point a subcontractor fails to materially comply with the requirements of this DPA, Contractor shall: notify the EA and remove such subcontractor's access to PII; and, as applicable, retrieve all PII received or stored by such subcontractor and/or ensure that PII has been securely deleted and destroyed in accordance with this DPA. In the event there is an incident in which the subcontractor compromises PII, Contractor shall follow the Data Breach reporting requirements set forth herein.
- (d) Contractor shall take full responsibility for the acts and omissions of its employees and subcontractors.
- (e) Contractor must not disclose PII to any other party unless:
 - (i) The Contractor has received written permission from a parent or eligible student to whom the data pertains to beforehand; or
 - (ii) Such disclosure is required by statute, court order or subpoena, and the Contractor makes a reasonable effort to notify the EA of the court order or subpoena in advance of compliance but in any case, provides notice to the EA no later than the time the PII is disclosed, unless such disclosure to the EA is expressly prohibited by the statute, court order or subpoena.

7. Training.

Contractor shall ensure that all its employees and Subcontractors who have access to PII have received or will receive training on the federal and state laws governing confidentiality of such data prior to receiving access.

8. Termination

The obligations of this DPA shall continue and shall not terminate for as long as the Contractor or its sub-contractors retain PII or retain access to PII.

9. Data Return and Destruction of Data.

- (a) Protecting PII from unauthorized access and disclosure is of the utmost importance to the EA, and Contractor agrees that it is prohibited from retaining PII or continued access to PII or any copy, summary or extract of PII, on any storage medium (including, without limitation, in secure data centers and/or cloud-based facilities) whatsoever beyond the period of providing Services to the EA, unless such retention is either expressly authorized for a prescribed period by the Service Agreement or other written agreement between the Parties, or expressly requested by the EA for purposes of facilitating the transfer of PII to the EA or expressly required by law. As applicable, upon expiration or termination of the Service

Agreement, Contractor shall transfer PII, in a format agreed to by the Parties to the EA.

- (b) If applicable, once the transfer of PII has been accomplished in accordance with the EA's written election to do so, Contractor agrees to return or destroy all PII when the purpose that necessitated its receipt by Contractor has been completed. Thereafter, with regard to all PII (including without limitation, all hard copies, archived copies, electronic versions, electronic imaging of hard copies) as well as any and all PII maintained on behalf of Contractor in a secure data center and/or cloud-based facilities that remain in the possession of Contractor or its Subcontractors, Contractor shall ensure that PII is securely deleted, disposed of by means of de-identification, and/or destroyed in a manner that does not allow it to be retrieved or retrievable, read or reconstructed. Hard copy media must be shredded or destroyed such that PII cannot be read or otherwise reconstructed, and electronic media must be cleared, purged, or destroyed such that the PII cannot be retrieved, subject to Contractor's internal backup retention policies. Contractor conducts data backups daily, and data backups are kept for 30 days. Only the destruction of paper PII, and not redaction, will satisfy the requirements for data destruction. Redaction is specifically excluded as a means of data destruction.
- (c) Upon written request Contractor shall provide the EA with a written certification of the secure deletion and/or destruction of PII held by the Contractor or Subcontractors.
- (d) To the extent that Contractor and/or its subcontractors continue to be in possession of any de-identified data (i.e., data that has had all direct and indirect identifiers removed), they agree not to attempt to re-identify de-identified data.

10. Commercial or Marketing Use Prohibition.

Contractor agrees that it will not sell PII or use or disclose PII for a Commercial or Marketing Purpose.

11. Encryption.

Contractor shall use industry standard security measures including encryption protocols that comply with New York law and regulations to preserve and protect PII. Contractor must encrypt PII at rest and in transit in accordance with applicable New York laws and regulations.

12. Breach.

- (a) Contractor shall promptly notify the EA of any Breach of PII without unreasonable delay no later than seven (7) business days after discovery of the Breach. Notifications required pursuant to this section must be in writing, given by personal delivery, e-mail transmission (if contact information is provided for the specific mode of delivery), or by registered or certified, and must to the extent available,

include a description of the Breach which includes the date of the incident and the date of discovery; the types of PII affected and the number of records affected; a description of Contractor's investigation; and the contact information for representatives who can assist the EA. Notifications required by this section must be sent to the EA's District Superintendent or other head administrator with a copy to the Data Protection Office. Violations of the requirement to notify the EA shall be subject to a civil penalty pursuant to Education Law Section 2-d. The Breach of certain PII protected by Education Law Section 2-d may subject the Contractor to additional penalties.

- (b) Notifications required under this paragraph must be provided to the EA at the following address:

Name: Shaun M. Mason, Ed.D

Title: Assistant Superintendent of Planning and Accountability

Schenectady City School District

108 Education Drive

Schenectady, NY 12303

(o)518.370.8100

(c)518.769.9693

13. Cooperation with Investigations.

Contractor agrees that it will cooperate with the EA and law enforcement, where necessary, in any investigations into a Breach. Any costs incidental to the required cooperation or participation of the Contractor or its' Authorized Users, as related to such investigations, will be the sole responsibility of the Contractor if such Breach is attributable to Contractor or its Subcontractors.

14. Notification to Individuals.

Where a Breach of PII occurs that is attributable to Contractor, Contractor shall pay for or promptly reimburse the EA for the full cost of the EA's notification to Parents, Eligible Students, teachers, and/or principals, in accordance with Education Law Section 2-d and 8 NYCRR Part 121.

15. Termination.

The confidentiality and data security obligations of the Contractor under this DPA shall survive any termination of this DPA but shall terminate upon Contractor's certifying that it has destroyed all PII.

ARTICLE III: PARENT AND ELIGIBLE STUDENT PROVISIONS

1. Parent and Eligible Student Access.

Education Law Section 2-d and FERPA provide Parents and Eligible Students the right to inspect and review their child's or the Eligible Student's Student Data stored or maintained by the EA. To the extent Student Data is held by Contractor pursuant to the Service Agreement, Contractor shall respond within thirty (30) calendar days to the EA's requests for access to Student Data so the EA can facilitate such review by a Parent or Eligible Student, and facilitate corrections, as necessary. If a Parent or Eligible Student contacts Contractor directly to review any of the Student Data held by Contractor pursuant to the Service Agreement, Contractor shall promptly notify the EA and refer the Parent or Eligible Student to the EA.

2. Bill of Rights for Data Privacy and Security.

As required by Education Law Section 2-d, the Parents Bill of Rights for Data Privacy and Security and the supplemental information for the Service Agreement are included as Exhibit A and Exhibit B, respectively, and incorporated into this DPA. Contractor shall complete and sign Exhibit B and append it to this DPA. Pursuant to Education Law Section 2-d, the EA is required to post the completed Exhibit B on its website.

ARTICLE IV: MISCELLANEOUS

1. Priority of Agreements and Precedence.

In the event of a conflict between and among the terms and conditions of this DPA, including all Exhibits attached hereto and incorporated herein and the Service Agreement, the terms and conditions of this DPA shall govern and prevail, shall survive the termination of the Service Agreement in the manner set forth herein, and shall supersede all prior communications, representations, or agreements, oral or written, by the Parties relating thereto.

2. Execution.

This DPA may be executed in one or more counterparts, all of which shall be considered one and the same document, as if all parties had executed a single original document, and may be executed utilizing an electronic signature and/ or electronic transmittal, and each signature thereto shall be and constitute an original signature, as if all parties had executed a single original document.


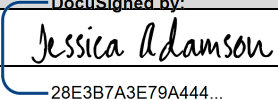
EDUCATIONAL AGENCY	CONTRACTOR
BY 	BY: <i>[Signature]</i> 
Dr. Shaun M. Mason	Jessica Adamson 28E3B7A3E79A444...
Assistant Superintendent for Planning and Accountability	CEO
Date: July 27, 2022	Date: Jul-26-2022

EXHIBIT A

PARENTS' BILL OF RIGHTS FOR STUDENT DATA PRIVACY AND SECURITY

The Schenectady City School District is committed to protecting the privacy and security of student data and teacher and principal data. In accordance with New York Education Law Section 2-d and its implementing regulations, the District informs the school community of the following:

1. A student's personally identifiable information (PII) cannot be sold or released for any commercial purposes;
2. Parents have the right to inspect and review the complete contents of their child's education record.
3. State and federal laws protect the confidentiality of PII, and safeguards associated with industry standards and best practices, including but not limited to encryption, firewalls, and password protection, must be in place when data is stored or transferred.
4. A complete list of all student data elements collected by the state is available for public review at the following website <http://www.nysed.gov/student-dataprivacy/student-data-inventory> or by writing to the Office of Information and Reporting Services, New York State Education Department, Room 865 EBA, 89 Washington Avenue, Albany, New York 12234.
5. Parents have the right to have complaints about possible breaches of student data addressed. Complaints should be directed in writing to Privacy Complaint, Chief Privacy Officer, New York State Education Department, 89 Washington Avenue, Albany, New York 12234. Complaints may also be submitted using the form available at the following website <http://www.nysed.gov/studentdataprivacy/form/report-improper-disclosure>.

CONTRACTOR	
[Signature]	<div style="text-align: right;">DocuSigned by:</div> <div style="text-align: right;"><i>Jessica Adamson</i></div>
[Printed Name]	Jessica Adamson <small>28E3B7A3E79A444...</small>
[Title]	CEO
Date:	Jul-26-2022

EXHIBIT B

THIRD PARTY CONTRACTOR SUPPLEMENT

The Aperture Education has been engaged by the Schenectady City School District to provide services. In this capacity, the company may collect, process, manage, store or analyze student personally identifiable information (PII).

Exclusive Purposes for which Protected Data will be Used: The exclusive purpose for which Vendor is receiving Protected Data from the District is to provide the District with the functionality of the products or services listed above. Vendor will not use the protected data for any other purposes not explicitly authorized above or within separate agreements between Vendor and the District.

Oversight of Subcontractors: In the event that Vendor engages subcontractors or other authorized persons or entities to perform one or more of its obligations, it will require those subcontractors or other authorized persons or entities to whom it will disclose the Protected Data to execute legally binding agreements acknowledging their obligation under Section 2-d of the New York Education Law to comply with all applicable data protection, privacy and security requirements required of Vendor under this or any other agreement, and applicable state and federal law and regulations.

Duration of Agreement and Protected Data Upon Termination or Expiration:

- This agreement commences on August 1, 2022 and expires on July 31, 2026.
- Upon expiration of this agreement without renewal, or upon termination prior to its expiration, Vendor will securely delete or otherwise destroy or dispose of by means of de-identification any and all Protected Data remaining in the possession of Vendor or any of its subcontractors or other authorized persons or entities to whom it has disclosed Protected Data, subject to Contractor's internal backup retention policies. Contractor conducts data backup daily and data backup is kept for 30 days. If requested by the District, Vendor will assist the District in exporting all Protected Data previously received back to the District for its own use, prior to deletion, in such formats as may be requested by the District.
- In the event obligations, data, or other aspects of this agreement is assigned to a successor Vendor (to the extent authorized by this agreement), the Vendor will retain any Protected Data, copies, summaries or extracts of the Protected Data, or any de-identified Protected Data, on any storage medium whatsoever. Upon request, Vendor and/or its subcontractors or other authorized persons or entities to whom it has disclosed Protected Data, as applicable, will provide the District with a certification from an appropriate officer that these requirements have been satisfied in full.

Challenging Accuracy of Protected Data: Parents or eligible students can challenge the accuracy of any Protected Data provided by the District to Vendor, by contacting the District regarding procedures for requesting amendment of education records under the Family Educational Rights and Privacy Act (FERPA). Teachers or principals may request to challenge the accuracy of APPR data provided to Vendor by following the appeal process in the District's applicable APPR plan.

Data Storage and Security Protections: Any Protected Data that Vendor receives will be stored on systems maintained by Vendor, or by a subcontractor under the direct control of Vendor, in a secure data center facility located within the United States. The measures that Vendor (and, if applicable, its subcontractors) will take to protect Protected Data include adoption of technologies, safeguards, and practices that align with the NIST Cybersecurity Framework, and safeguards associated with industry standards and best practices including, but not limited to, dis encryption, file encryption, firewalls, and password protection.

Encryption of Protected Data: Vendor (and, if applicable, its subcontractors) will protect Protected Data in its custody from unauthorized disclosure while in motion or at rest, using a technology or methodology that complies with Section 2-d of the New York Education Law.

CONTRACTOR	
[Signature]	<div>DocuSigned by: <i>Jessica Adamson</i> 28E3B7A3E79A444...</div>
[Printed Name]	Jessica Adamson
[Title]	CEO
Date:	Jul-26-2022

EXHIBIT C - CONTRACTOR'S DATA PRIVACY AND SECURITY PLAN

CONTRACTOR'S DATA PRIVACY AND SECURITY PLAN

The Educational Agency (EA) is required to ensure that all contracts with a third-party contractor include a Data Security and Privacy Plan, pursuant to Education Law § 2-d and Section 121.6 of the Commissioner's Regulations. For every contract, the Contractor must complete the following or provide a plan that materially addresses its requirements, including alignment with the NIST Cybersecurity Framework, which is the standard for educational agency data privacy and security policies in New York state. **While this plan is not required to be posted to the EA's website, contractors should nevertheless ensure that they do not include information that could compromise the security of their data and data systems.**

1	Outline how you will implement applicable data security and privacy contract requirements over the life of the Contract.	Aperture Education protects customer assets by conforming to the best available standards for infrastructure, data governance, architecture and design practices, and quality assurance practices.
2	Specify the administrative, operational and technical safeguards and practices that you have in place to protect PII.	Application data is encrypted at rest and in transit. User credentials are encrypted at rest and in transit. Database fields are protected using FIPS-140 compliant encryption for all tables / fields containing sensitive data. All of our employees go through extensive data security training.
3	Address the training received by your employees and any subcontractors engaged in the provision of services under the Contract on the federal and state laws that govern the confidentiality of PII.	Employees go through EdTech specific data security training directly with our CEO in their first 60 days on the job. In addition, each year employees go through security training with KnowBe4.
4	Outline contracting processes that ensure that your employees and any subcontractors are bound by written agreement to the requirements of the Contract, at a minimum.	All of our employees and subcontractors have a part of their contract that specifies their required compliance to our data security plan. Subcontractors also go through our security training.
5	Specify how you will manage any data security and privacy incidents that implicate PII and describe any specific plans you have in place to identify breaches and/or unauthorized disclosures, and to meet your obligations to report incidents to the EA.	Aperture Education will be transparent if a data security incident occurs and will notify the EA as soon as discovered. We have software to support intrusion and threat detection.

6	Describe how data will be transitioned to the EA when no longer needed by you to meet your contractual obligations, if applicable.	Data can be downloaded from the application prior to the end of a contract, as desired.
7	Describe your secure destruction practices and how certification will be provided to the EA.	by means of de-identification, certificate provided upon request
8	Outline how your data security and privacy program/practices align with the EA's applicable policies.	Our programs align with EA's policies by centering around industry security best practices.
9	Outline how your data security and privacy program/practices materially align with the NIST CSF v1.1 using the Framework chart below.	PLEASE USE TEMPLATE BELOW.

EXHIBIT C.1 – NIST CSF TABLE

The table below will aid the review of a Contractor's Data Privacy and Security Plan. Contractors should complete the Contractor Response sections in the table below to describe how their policies and practices align with each category in the Data Privacy and Security Plan template. To complete these 23 sections, a Contractor may: (i) Demonstrate alignment using the National Cybersecurity Review (NCSR) Maturity Scale of 1-7 ; (ii) Use a narrative to explain alignment (may reference its applicable policies); and/or (iii) Explain why a certain category may not apply to the transaction contemplated. Further informational references for each category can be found on the NIST website at <https://www.nist.gov/cyberframework/new-framework>. Please use additional pages if needed.

Function	Category	Contractor Response
IDENTIFY (ID)	Asset Management (ID.AM): The data, personnel, devices, systems, and facilities that enable the organization to achieve business purposes are identified and managed consistent with their relative importance to organizational objectives and the organization's risk strategy.	x
	Business Environment (ID.BE): The organization's mission, objectives, stakeholders, and activities are understood and prioritized; this information is used to inform cybersecurity roles, responsibilities, and risk management decisions.	x
	Governance (ID.GV): The policies, procedures, and processes to manage and monitor the organization's regulatory, legal, risk, environmental, and operational requirements are understood and inform the management of cybersecurity risk.	x
	Risk Assessment (ID.RA): The organization understands the cybersecurity risk to organizational	x

Function	Category	Contractor Response
	operations (including mission, functions, image, or reputation), organizational assets, and individuals.	
	Risk Management Strategy (ID.RM): The organization's priorities, constraints, risk tolerances, and assumptions are established and used to support operational risk decisions.	x
	Supply Chain Risk Management (ID.SC): The organization's priorities, constraints, risk tolerances, and assumptions are established and used to support risk decisions associated with managing supply chain risk. The organization has established and implemented the processes to identify, assess and manage supply chain risks.	x
PROTECT (PR)	Identity Management, Authentication and Access Control (PR.AC): Access to physical and logical assets and associated facilities is limited to authorized users, processes, and devices, and is managed consistent with the assessed risk of unauthorized access to authorized activities and transactions.	x
	Awareness and Training (PR.AT): The organization's personnel and partners are provided cybersecurity awareness education and are trained to perform their cybersecurity-related duties and responsibilities consistent with related policies, procedures, and agreements.	x
	Data Security (PR.DS): Information and records (data) are managed consistent with the organization's risk strategy to protect the confidentiality, integrity, and availability of information.	x
	Information Protection Processes and Procedures (PR.IP): Security policies (that address purpose, scope, roles, responsibilities, management commitment, and coordination among organizational entities), processes, and procedures are maintained and used to manage protection of information systems and assets.	x
	Maintenance (PR.MA): Maintenance and repairs of industrial control and information system components are performed consistent with policies and procedures.	x
	Protective Technology (PR.PT): Technical security solutions are managed to ensure the security and resilience of systems and assets, consistent with related policies, procedures, and agreements.	x

Function	Category	Contractor Response
DETECT (DE)	Anomalies and Events (DE.AE): Anomalous activity is detected and the potential impact of events is understood.	x
	Security Continuous Monitoring (DE.CM): The information system and assets are monitored to identify cybersecurity events and verify the effectiveness of protective measures.	x
	Detection Processes (DE.DP): Detection processes and procedures are maintained and tested to ensure awareness of anomalous events.	x
RESPOND (RS)	Response Planning (RS.RP): Response processes and procedures are executed and maintained, to ensure response to detected cybersecurity incidents.	x
	Communications (RS.CO): Response activities are coordinated with internal and external stakeholders (e.g. external support from law enforcement agencies).	x
	Analysis (RS.AN): Analysis is conducted to ensure effective response and support recovery activities.	x
	Mitigation (RS.MI): Activities are performed to prevent expansion of an event, mitigate its effects, and resolve the incident.	x
	Improvements (RS.IM): Organizational response activities are improved by incorporating lessons learned from current and previous detection/response activities.	x
RECOVER (RC)	Recovery Planning (RC.RP): Recovery processes and procedures are executed and maintained to ensure restoration of systems or assets affected by cybersecurity incidents.	x
	Improvements (RC.IM): Recovery planning and processes are improved by incorporating lessons learned into future activities.	x
	Communications (RC.CO): Restoration activities are coordinated with internal and external parties (e.g. coordinating centers, Internet Service Providers, owners of attacking systems, victims, other CSIRTs, and vendors).	x