

Effective date of this Endorsement: 06-Jul-2018

This Endorsement is attached to and forms a part of Policy Number:

Beazley Insurance Company, Inc. referred to in this endorsement as either the "Insurer" or the "Underwriters"

ASBESTOS, POLLUTION, AND CONTAMINATION EXCLUSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that the coverage under this Policy will not apply to any **Loss** arising out of either in whole or in part, directly or indirectly arising out of or resulting from or in consequence of, or in any way involving:

1. asbestos, or any materials containing asbestos in whatever form or quantity;
2. the actual, potential, alleged or threatened formation, growth, presence, release or dispersal of any fungi, molds, spores or mycotoxins of any kind; any action taken by any party in response to the actual, potential, alleged or threatened formation, growth, presence, release or dispersal of fungi, molds, spores or mycotoxins of any kind, such action to include investigating, testing for, detection of, monitoring of, treating, remediating or removing such fungi, molds, spores or mycotoxins; and any governmental or regulatory order, requirement, directive, mandate or decree that any party take action in response to the actual, potential, alleged or threatened formation, growth, presence, release or dispersal of fungi, molds, spores or mycotoxins of any kind, such action to include investigating, testing for, detection of, monitoring of, treating, remediating or removing such fungi, molds, spores or mycotoxins;

The Underwriters will have no duty or obligation to defend any **Insured** with respect to any **Claim** or governmental or regulatory order, requirement, directive, mandate or decree which either in whole or in part, directly or indirectly, arises out of or results from or in consequence of, or in any way involves the actual, potential, alleged or threatened formation, growth, presence, release or dispersal of any fungi, molds, spores or mycotoxins of any kind;

3. the existence, emission or discharge of any electromagnetic field, electromagnetic radiation or electromagnetism that actually or allegedly affects the health, safety or condition of any person or the environment, or that affects the value, marketability, condition or use of any property; or
4. the actual, alleged or threatened discharge, dispersal, release or escape of Pollutants; or any governmental, judicial or regulatory directive or request that the **Insured** or anyone acting under the direction or control of the **Insured** test for, monitor, clean up, remove, contain, treat, detoxify or neutralize Pollutants. Pollutants means any solid, liquid, gaseous or thermal irritant or contaminant including gas, acids, alkalis, chemicals, heat, smoke, vapor, soot, fumes or waste. Waste includes but is not limited to materials to be recycled, reconditioned or reclaimed.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

Effective date of this Endorsement: 06-Jul-2018

This Endorsement is attached to and forms a part of Policy Number:

Beazley Insurance Company, Inc. Referred to in this endorsement as either the "Insurer" or the "Underwriters"

CAP ON LOSSES ARISING OUT OF CERTIFIED ACT OF TERRORISM

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

- A. If aggregate insured losses attributable to "Certified Acts of Terrorism" exceed \$100,000,000,000 in a calendar year and the Underwriters meet the applicable insurer deductible under the Terrorism Risk Insurance Act, the Underwriters are not liable for the payment of any portion of the amount of the losses exceeding \$100,000,000,000. Insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.
- B. As used in this endorsement, "Certified Act of Terrorism" means any act that is certified by the Secretary of the Treasury, in consultation with the Secretary of Homeland Security and the Attorney General of the United States, to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of an air carrier or vessel or the premises of a United States mission; and to have been committed by an individual or individuals, as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.
- C. Terrorism exclusions, or the inapplicability or omission of a terrorism exclusion, do not create coverage for injury or damage otherwise excluded under this Policy.

All other terms, exclusions and conditions of the policy remain unchanged.


Authorized Representative

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This Endorsement is attached to and forms a part of Policy Number:

Beazley Insurance Company, Inc. Referred to in this endorsement as either the "Insurer" or the "Underwriters"

NUCLEAR EXCLUSION

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that this Policy does not apply:

- I. Under any Liability Coverage, to injury, sickness, disease, death or destruction:
 - (a) with respect to which an insured under the Policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters or Nuclear Insurance Association of Canada, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
 - (b) resulting from the hazardous properties of nuclear material and with respect to which (1) any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or (2) the insured is, or had this Policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.
- II. Under any Medical Payments Coverage, or under any Supplementary Payments Provision relating to immediate medical or surgical relief, to expenses incurred with respect to bodily injury, sickness, disease or death resulting from the hazardous properties of nuclear material and arising out of the operation of a nuclear facility by any person or organization.
- III. Under any Liability Coverage, to injury, sickness, disease, death or destruction resulting from the hazardous properties of nuclear material, if:
 - (a) the nuclear material (1) is at any nuclear facility owned by, or operated by or on behalf of, an insured or (2) has been discharged or dispersed therefrom;
 - (b) the nuclear material is contained in spent fuel or waste at any time possessed, handled, used, processed, stored, transported or disposed of by or on behalf of an insured; or
 - (c) the injury, sickness, disease, death or destruction arises out of the furnishing by an insured of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any nuclear facility, but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion (c) applies only to injury to or destruction of property at such nuclear facility.
- IV. As used in this endorsement:

"hazardous properties" include radioactive, toxic or explosive properties; "nuclear material" means source material, special nuclear material or by-product material; "source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act 1954 or in any law amendatory thereof; "spent fuel" means any fuel element or fuel

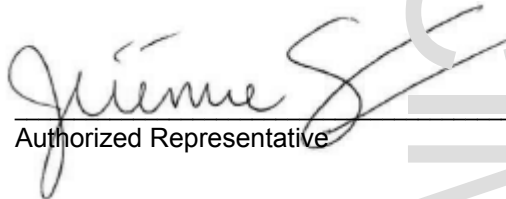
component, solid or liquid, which has been used or exposed to radiation in a nuclear reactor; "waste" means any waste material (1) containing by-product material and (2) resulting from the operation by any person or organization of any nuclear facility included within the definition of

nuclear facility under paragraph (a) or (b) thereof; "nuclear facility" means:

- (a) any nuclear reactor,
- (b) any equipment or device designed or used for (1) separating the isotopes of uranium or plutonium, (2) processing or utilizing spent fuel, or (3) handling, processing or packaging waste,
- (c) any equipment or device used for the processing, fabricating or alloying of special nuclear material if at any time the total amount of such material in the custody of the insured at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235,
- (d) any structure, basin, excavation, premises or place prepared or used for the storage or disposal of waste,

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations; "nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material. With respect to injury to or destruction of property, the word "injury" or "destruction" includes all forms of radioactive contamination of property.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

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**POLICYHOLDER DISCLOSURE NOTICE OF
TERRORISM INSURANCE COVERAGE**

You are hereby notified that under the Terrorism Risk Insurance Act of 2002, as amended ("TRIA"), insurance coverage provided by this Policy includes losses arising out of acts of terrorism, **as defined in Section 102(1) of the Act, as amended:** The term "act of terrorism" means any act that is certified by the Secretary of the Treasury, in consultation with the Secretary of Homeland Security and the Attorney General of the United States, to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of an air carrier or vessel or the premises of a United States mission; and to have been committed by an individual or individuals, as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion. Any coverage you purchase for "acts of terrorism" shall expire at 12:00 midnight December 31, 2020, the date on which the TRIA Program is scheduled to terminate, or the expiry date of the policy whichever occurs first, and shall not cover any losses or events which arise after the earlier of these dates.

YOU SHOULD KNOW THAT COVERAGE PROVIDED BY THIS POLICY FOR LOSSES CAUSED BY CERTIFIED ACTS OF TERRORISM IS PARTIALLY REIMBURSED BY THE UNITED STATES UNDER A FORMULA ESTABLISHED BY FEDERAL LAW. HOWEVER, YOUR POLICY MAY CONTAIN OTHER EXCLUSIONS WHICH MIGHT AFFECT YOUR COVERAGE, SUCH AS AN EXCLUSION FOR NUCLEAR EVENTS. UNDER THIS FORMULA, THE UNITED STATES PAYS 85% THROUGH 2015; 84% BEGINNING ON JANUARY 1, 2016; 83% BEGINNING ON JANUARY 1, 2017; 82% BEGINNING ON JANUARY 1, 2018; 81% BEGINNING ON JANUARY 1, 2019 AND 80% BEGINNING ON JANUARY 1, 2020; OF COVERED TERRORISM LOSSES EXCEEDING THE STATUTORILY ESTABLISHED DEDUCTIBLE PAID BY THE INSURER(S) PROVIDING THE COVERAGE. YOU SHOULD ALSO KNOW THAT THE TERRORISM RISK INSURANCE ACT, AS AMENDED, CONTAINS A USD100 BILLION CAP THAT LIMITS U.S. GOVERNMENT REIMBURSEMENT AS WELL AS INSURERS' LIABILITY FOR LOSSES RESULTING FROM CERTIFIED ACTS OF TERRORISM WHEN THE AMOUNT OF SUCH LOSSES IN ANY ONE CALENDAR YEAR EXCEEDS USD100 BILLION. IF THE AGGREGATE INSURED LOSSES FOR ALL INSURERS EXCEED USD100 BILLION, YOUR COVERAGE MAY BE REDUCED.

(LMA 9104 amended)

Effective date of this Endorsement: 06-Jul-2018

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WAR AND CIVIL WAR EXCLUSION

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that **EXCLUSIONS** is amended to include:

War and Civil War

For resulting from, directly or indirectly occasioned by, happening through or in consequence of: war, invasion, acts of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection, military or usurped power or confiscation or nationalization or requisition or destruction of or damage to property by or under the order of any government or public or local authority; provided, that this exclusion will not apply to **Cyber Terrorism**.

For purposes of this exclusion, "**Cyber Terrorism**" means the premeditated use of disruptive activities, or threat to use disruptive activities, against a computer system or network with the intention to cause harm, further social, ideological, religious, political or similar objectives, or to intimidate any person(s) in furtherance of such objectives.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

Effective date of this Endorsement: 06-Jul-2018

This Endorsement is attached to and forms a part of Policy Number:

Beazley Insurance Company, Inc. referred to in this endorsement as either the "Insurer" or the "Underwriters"

AMEND DATA RECOVERY COSTS

This endorsement modifies insurance provided under the following:

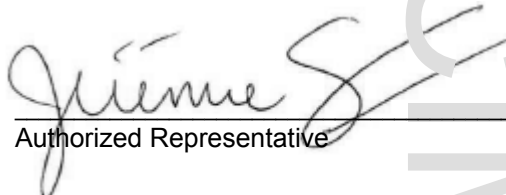
BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that the Data Recovery Costs insuring agreement is deleted in its entirety and replaced with the following:

Data Recovery Costs

Data Recovery Costs that the **Insured Organization** incurs as a direct result of a **Security Breach** or **System Failure** that the **Insured** first discovers during the **Policy Period**.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

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AMEND DEFINITION OF FRAUDULENT INSTRUCTION

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that the definition of **Fraudulent Instruction** is deleted in its entirety and replaced with the following:

Fraudulent Instruction means the transfer, payment or delivery of **Money** or **Securities** by an **Insured** as a result of fraudulent written, electronic, telegraphic, cable, teletype or telephone instructions provided by a third party, that is intended to mislead an **Insured** through the misrepresentation of a material fact which is relied upon in good faith by such **Insured**.

Fraudulent Instruction will not include loss arising out of:

1. any actual or alleged use of credit, debit, charge, access, convenience, customer identification or other cards;
2. any transfer involving a third party who is not a natural person **Insured**, but had authorized access to the **Insured's** authentication mechanism;
3. the processing of, or the failure to process, credit, check, debit, personal identification number debit, electronic benefit transfers or mobile payments for merchant accounts;
4. accounting or arithmetical errors or omissions, or the failure, malfunction, inadequacy or illegitimacy of any product or service;
5. any liability to any third party, or any indirect or consequential loss of any kind;
6. any legal costs or legal expenses; or
7. proving or establishing the existence of **Fraudulent Instruction**.

All other terms and conditions of this Policy remain unchanged.



Authorized Representative

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AMEND NOTIFIED INDIVIDUALS THRESHOLD

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that part 4. of the definition of **Breach Response Services** is deleted and replaced with the following:

4. to notify those individuals whose **Personally Identifiable Information** was potentially impacted by a **Data Breach**;

All other terms and conditions of this Policy remain unchanged.



Authorized Representative

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Effective date of this Endorsement: 06-Jul-2018
This Endorsement is attached to and forms a part of Policy Number:
Beazley Insurance Company, Inc. referred to in this endorsement as either the "Insurer" or the
"Underwriters"

CONSEQUENTIAL REPUTATIONAL LOSS

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that:

1. Limit listed in the Declarations under **COVERAGE SCHEDULE** is amended to include:

Consequential Reputational Loss USD \$1,000,000

2. Retention listed in the Declarations under **COVERAGE SCHEDULE** is amended to include:

Each incident giving rise to **Consequential Reputational Loss** USD To Match Elected Retention

3. **INSURING AGREEMENTS** is amended by the addition of:

Consequential Reputational Loss

to indemnify the **Insured Organization** for **Consequential Reputational Loss**, that the **Insured** incurs during the **Notification Period** as a result of (i) an actual or reasonably suspected **Data Breach** or **Security Breach** that the **Insured** first discovers during the **Policy Period** and (ii) for which individuals have been notified pursuant to part 4. of the **Breach Response Services** definition.

4. For purposes of this endorsement, **DEFINITIONS** is amended to include:

Consequential Reputational Loss means the **Income Loss** during the **Notification Period**; provided that **Consequential Reputational Loss** shall not mean and no coverage shall be available under this endorsement for any of the following: loss arising out of any liability to any third party for whatever reason; legal costs or legal expenses of any type; loss incurred as a result of unfavorable business conditions, loss of market or any other consequential loss; or costs or expenses the **Insured Organization** incurs to identify, investigate, respond to or remediate an actual or reasonably suspected **Data Breach** or **Security Breach**.

Income Loss means the net profit resulting directly from the **Insured Organization's** business operations, before income taxes, that the **Insured Organization** is prevented from earning as a direct result of damage to the **Insured Organization's** reputation caused by an actual or reasonably suspected **Data Breach** or **Security Breach**. In determining **Income Loss**, due consideration shall be given to the prior experience of the **Insured Organization's** business operations before the beginning of the **Notification Period** and to the reasonable and probable business operations the **Insured Organization** could have performed had the actual or reasonably suspected **Data Breach** or **Security Breach** not occurred.


Income Loss does not include any internal salary, costs or overhead expenses of the **Insured Organization**.

Notification Period means the 30-day period that begins on the specific date on which **Notified Individuals** first receive notification of the incident for which **Notification Services** are provided.

5. **Notice of Claim or Loss** under **GENERAL CONDITIONS** is amended to include:

With respect to **Consequential Reputational Loss** the **Named Insured** must notify the Underwriters through the contacts listed for **Notice of Claim, Loss or Circumstance** in the Declarations as soon as practicable after discovery of the circumstance, incident or event giving rise to such loss. The **Named Insured** will provide the Underwriters a proof of **Consequential Reputational Loss**. All loss described in this paragraph must be reported, and all proofs of loss must be provided, to the Underwriters no later than six (6) months after the end of the **Policy Period**. The costs and expenses of preparing and submitting a proof of loss, and establishing or proving **Consequential Reputational Loss** shall be the **Insured's** obligation, and are not covered under this Policy.

All other terms and conditions of this Policy remain unchanged.



Authorized Representative

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GDPR CYBER ENDORSEMENT

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that the Data & Network Liability insuring agreement is amended to include:

5. non-compliance with the following obligations under the EU General Data Protection Regulation (or legislation in the relevant jurisdiction implementing this Regulation):
 - (a) Article 5.1(f), also known as the Security Principle;
 - (b) Article 32, Security of Processing;
 - (c) Article 33, Communication of a Personal Data Breach to the Supervisory Authority; or
 - (d) Article 34, Communication of a Personal Data Breach to the Data Subject.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

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**OTHER INSURANCE CLAUSE – PRIMARY WITH RESPECT TO
BREACH RESPONSE SERVICES**

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that **Other Insurance** under **GENERAL CONDITIONS** is deleted in its entirety and replaced with the following:

Other Insurance

The insurance under this Policy shall apply in excess of any other valid and collectible insurance available to any **Insured** unless such other insurance is written only as specific excess insurance over this Policy; provided that this Policy shall be primary solely with respect to **Breach Response Services** under the Breach Response insuring agreement.

The existence of other insurance available to an **Insured** shall not affect the Underwriters' obligations toward an **Insured** in paying **Loss** covered under this Policy nor shall it delay payment of such **Loss**.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative

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This Endorsement is attached to and forms a part of Policy Number:

Beazley Insurance Company, Inc. referred to in this endorsement as either the "Insurer" or the "Underwriters"

POST BREACH REMEDIAL SERVICES ENDORSEMENT

This endorsement modifies insurance provided under the following:

BEAZLEY BREACH RESPONSE

In consideration of the premium charged for the Policy, it is hereby understood and agreed that, following a covered **Data Breach** or **Security Breach** involving the actual **Unauthorized Access or Use** of the **Insured Organization's Computer Systems**, the **Insured Organization** is eligible to receive **Post Breach Remedial Services**.

Post Breach Remedial Services means up to 100 hours per **Policy Period** of post-breach computer security consultation and remedial services to be provided by Lodestone Security ("Lodestone"). Such services will be provided at the **Insured Organization's** request as per the description of services attached to this endorsement. **Post Breach Remedial Services** will be considered **Breach Response Services**, and will be available in response to incidents in which forensic services and costs covered under parts 2. and 3. of the definition of **Breach Response Services** have been provided, subject to the applicable Retention. **Post Breach Remedial Services** will not include any costs to purchase or upgrade any hardware or software.

To access the **Post Breach Remedial Services**, the **Insured Organization** must notify the Underwriters, within sixty (60) days following a determination of the actual **Unauthorized Access or Use** of the **Insured Organization's Computer Systems**, that they desire to receive such services. To receive **Post Breach Remedial Services**, the **Insured Organization** will have to enter into an engagement agreement with Lodestone.

All other terms and conditions of this Policy remain unchanged.


Authorized Representative



BEAZLEY BREACH RESPONSE

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NOTICE: THESE POLICY FORMS AND THE APPLICABLE RATES ARE EXEMPT FROM THE FILING REQUIREMENTS OF THE NEW YORK INSURANCE LAW AND REGULATIONS. HOWEVER, THE FORMS AND RATES MUST MEET THE MINIMUM STANDARDS OF THE NEW YORK INSURANCE LAW AND REGULATIONS.

BEAZLEY BREACH RESPONSE

THIS POLICY'S LIABILITY INSURING AGREEMENTS PROVIDE COVERAGE ON A CLAIMS MADE AND REPORTED BASIS AND APPLY ONLY TO CLAIMS FIRST MADE AGAINST THE INSURED DURING THE POLICY PERIOD OR THE OPTIONAL EXTENSION PERIOD (IF APPLICABLE) AND REPORTED TO THE UNDERWRITERS IN ACCORDANCE WITH THE TERMS OF THIS POLICY. AMOUNTS INCURRED AS CLAIMS EXPENSES UNDER THIS POLICY WILL REDUCE AND MAY EXHAUST THE LIMIT OF LIABILITY AND ARE SUBJECT TO RETENTIONS.

Please refer to the Declarations, which show the insuring agreements that the **Named Insured** purchased. If an insuring agreement has not been purchased, coverage under that insuring agreement of this Policy will not apply.

The Underwriters agree with the **Named Insured**, in consideration of the payment of the premium and reliance upon the statements contained in the information and materials provided to the Underwriters in connection with the underwriting and issuance of this Insurance Policy (hereinafter referred to as the "Policy") and subject to all the provisions, terms and conditions of this Policy:

INSURING AGREEMENTS

Breach Response

To provide **Breach Response Services** to the **Insured Organization** because of an actual or reasonably suspected **Data Breach** or **Security Breach** that the **Insured** first discovers during the **Policy Period**.

First Party Loss

To indemnify the **Insured Organization** for:

Business Interruption Loss

Business Interruption Loss that the **Insured Organization** sustains as a result of a **Security Breach** or **System Failure** that the **Insured** first discovers during the **Policy Period**.

Dependent Business Interruption Loss

Dependent Business Loss that the **Insured Organization** sustains as a result of a **Dependent Security Breach** or a **Dependent System Failure** that the **Insured** first discovers during the **Policy Period**.

Cyber Extortion Loss

Cyber Extortion Loss that the **Insured Organization** incurs as a result of an **Extortion Threat** first made against the **Insured Organization** during the **Policy Period**.

Data Recovery Costs

Data Recovery Costs that the **Insured Organization** incurs as a direct result of a **Security Breach** that the **Insured** first discovers during the **Policy Period**.

Liability

Data & Network Liability

To pay **Damages** and **Claims Expenses**, which the **Insured** is legally obligated to pay because of any **Claim** first made against any **Insured** during the **Policy Period** for:

1. a **Data Breach**;
2. a **Security Breach**;
3. the **Insured Organization's** failure to timely disclose a **Data Breach** or **Security Breach**;
4. failure by the **Insured** to comply with that part of a **Privacy Policy** that specifically:
 - (a) prohibits or restricts the **Insured Organization's** disclosure, sharing or selling of **Personally Identifiable Information**;
 - (b) requires the **Insured Organization** to provide an individual access to **Personally Identifiable Information** or to correct incomplete or inaccurate **Personally Identifiable Information** after a request is made; or
 - (c) mandates procedures and requirements to prevent the loss of **Personally Identifiable Information**;

provided the **Insured Organization** has in force, at the time of such failure, a **Privacy Policy** that addresses those subsections above that are relevant to such **Claim**.

Regulatory Defense & Penalties

To pay **Penalties** and **Claims Expenses**, which the **Insured** is legally obligated to pay because of a **Regulatory Proceeding** first made against any **Insured** during the **Policy Period** for a **Data Breach** or a **Security Breach**.

Payment Card Liabilities & Costs

To indemnify the **Insured Organization** for **PCI Fines, Expenses and Costs** which it is legally obligated to pay because of a **Claim** first made against any **Insured** during the **Policy Period**.

Media Liability

To pay **Damages** and **Claims Expenses**, which the **Insured** is legally obligated to pay because of any **Claim** first made against any **Insured** during the **Policy Period** for **Media Liability**.

eCrime

To indemnify the **Insured Organization** for any direct financial loss sustained resulting from:

1. **Fraudulent Instruction**;
2. **Funds Transfer Fraud**; or
3. **Telephone Fraud**;

that the **Insured** first discovers during the **Policy Period**.

Criminal Reward

To indemnify the **Insured Organization** for **Criminal Reward Funds**.

DEFINITIONS

Additional Insured means any person or entity that the **Insured Organization** has agreed in writing to add as an **Additional Insured** under this Policy prior to the commission of any act for which such person or entity would be provided coverage under this Policy, but only to the extent the **Insured Organization** would have been liable and coverage would have been afforded under the terms and conditions of this Policy had such **Claim** been made against the **Insured Organization**.

Breach Notice Law means any statute or regulation that requires notice to persons whose personal information was accessed or reasonably may have been accessed by an unauthorized person. **Breach Notice Law** also includes any statute or regulation requiring notice of a **Data Breach** to be provided to governmental or regulatory authorities.

Breach Response Services means the following fees and costs in response to an actual or reasonably suspected **Data Breach** or **Security Breach**:

1. for an attorney to provide necessary legal advice to the **Insured Organization** to evaluate its obligations pursuant to **Breach Notice Laws** or a **Merchant Services Agreement** and in connection with providing the **Breach Response Services** described below;
2. for a computer security expert to determine the existence, cause and scope of an actual or reasonably suspected **Data Breach**, and if such **Data Breach** is actively in progress on the **Insured Organization's Computer Systems**, to assist in containing it;
3. for a PCI Forensic Investigator to investigate the existence and extent of an actual or reasonably suspected **Data Breach** involving payment card data and for a Qualified Security Assessor to certify and assist in attesting to the **Insured Organization's** PCI compliance, as required by a **Merchant Services Agreement**;
4. to notify those individuals whose **Personally Identifiable Information** was potentially impacted by a **Data Breach** exceeding the **Notified Individuals Threshold**;
5. to provide a call center to respond to inquiries about a **Data Breach** that exceeds the **Notified Individuals Threshold**;

6. to provide a credit monitoring, identity monitoring or other solution listed in the Information Packet to individuals whose **Personally Identifiable Information** was potentially impacted by a **Data Breach** exceeding the **Notified Individuals Threshold**; and
7. public relations and crisis management costs directly related to mitigating harm to the **Insured Organization** which are approved in advance by the Underwriters in their discretion.

Breach Response Services will be provided by providers listed in the Information Packet, will be subject to the terms and conditions of this Policy and the Information Packet, and will not include any internal salary or overhead expenses of the **Insured Organization**. **Breach Response Services** also includes assistance from the BBR Services Team and access to **Education and Loss Prevention Tools**.

Business Interruption Loss means:

1. **Income Loss**;
2. **Forensic Expenses**; and
3. **Extra Expense**;

actually sustained during the **Period of Restoration** as a result of the actual interruption of the **Insured Organization's** business operations caused by a **Security Breach** or **System Failure**. Coverage for **Business Interruption Loss** will apply only after the **Waiting Period** has elapsed.

Business Interruption Loss will not include (i) loss arising out of any liability to any third party; (ii) legal costs or legal expenses; (iii) loss incurred as a result of unfavorable business conditions; (iv) loss of market or any other consequential loss; (v) **Dependent Business Loss**; or (vi) **Data Recovery Costs**.

Claim means:

1. a written demand received by any **Insured** for money or services;
2. with respect to coverage provided under the Regulatory Defense & Penalties insuring agreement only, institution of a **Regulatory Proceeding** against any **Insured**; and
3. with respect to coverage provided under part 1. of the Data & Network Liability insuring agreement only, a demand received by any **Insured** to fulfill the **Insured Organization's** contractual obligation to provide notice of a **Data Breach** pursuant to a **Breach Notice Law**;

Multiple **Claims** arising from the same or a series of related, repeated or continuing acts, errors, omissions or events will be considered a single **Claim** for the purposes of this Policy. All such **Claims** will be deemed to have been made at the time of the first such **Claim**.

Claims Expenses means:

1. all reasonable and necessary legal costs and expenses resulting from the investigation, defense and appeal of a **Claim**, if incurred by the Underwriters, or by the **Insured** with the prior written consent of the Underwriters; and

2. the premium cost for appeal bonds for covered judgments or bonds to release property used to secure a legal obligation, if required in any **Claim** against an **Insured**; provided the Underwriters will have no obligation to appeal or to obtain bonds.

Claims Expenses will not include any salary, overhead, or other charges by the **Insured** for any time spent in cooperating in the defense and investigation of any **Claim** or circumstance that might lead to a **Claim** notified under this Policy, or costs to comply with any regulatory orders, settlements or judgments.

Computer Systems means computers, any software residing on such computers and any associated devices or equipment:

1. operated by and either owned by or leased to the **Insured Organization**; or
2. with respect to coverage under the Breach Response and Liability insuring agreements, operated by a third party pursuant to written contract with the **Insured Organization** and used for the purpose of providing hosted computer application services to the **Insured Organization** or for processing, maintaining, hosting or storing the **Insured Organization's** electronic data.

Continuity Date means:

1. the Continuity Date listed in the Declarations; and
2. with respect to any **Subsidiaries** acquired after the Continuity Date listed in the Declarations, the date the **Named Insured** acquired such **Subsidiary**.

Control Group means any principal, partner, corporate officer, director, general counsel (or most senior legal counsel) or risk manager of the **Insured Organization** and any individual in a substantially similar position.

Criminal Reward Funds means any amount offered and paid by the **Insured Organization** with the Underwriters' prior written consent for information that leads to the arrest and conviction of any individual(s) committing or trying to commit any illegal act related to any coverage under this Policy; but will not include any amount based upon information provided by the **Insured**, the **Insured's** auditors or any individual hired or retained to investigate the illegal acts. All **Criminal Reward Funds** offered pursuant to this Policy must expire no later than 6 months following the end of the **Policy Period**.

Cyber Extortion Loss means:

1. any **Extortion Payment** that has been made by or on behalf of the **Insured Organization** with the Underwriters' prior written consent to prevent or terminate an **Extortion Threat**; and
2. reasonable and necessary expenses incurred by the **Insured Organization** with the Underwriters' prior written consent to prevent or respond to an **Extortion Threat**.

Damages means a monetary judgment, award or settlement, including any award of prejudgment or post-judgment interest; but **Damages** will not include:

1. future profits, restitution, disgorgement of unjust enrichment or profits by an **Insured**, or the costs of complying with orders granting injunctive or equitable relief;

2. return or offset of fees, charges or commissions charged by or owed to an **Insured** for goods or services already provided or contracted to be provided;
3. taxes or loss of tax benefits;
4. fines, sanctions or penalties;
5. punitive or exemplary damages or any damages which are a multiple of compensatory damages, unless insurable by law in any applicable venue that most favors coverage for such punitive, exemplary or multiple damages;
6. discounts, coupons, prizes, awards or other incentives offered to the **Insured's** customers or clients;
7. liquidated damages, but only to the extent that such damages exceed the amount for which the **Insured** would have been liable in the absence of such liquidated damages agreement;
8. fines, costs or other amounts an **Insured** is responsible to pay under a **Merchant Services Agreement**; or
9. any amounts for which the **Insured** is not liable, or for which there is no legal recourse against the **Insured**.

Data means any software or electronic data that exists in **Computer Systems** and that is subject to regular back-up procedures.

Data Breach means the theft, loss, or **Unauthorized Disclosure** of **Personally Identifiable Information** or **Third Party Information** that is in the care, custody or control of the **Insured Organization** or a third party for whose theft, loss or **Unauthorized Disclosure** of **Personally Identifiable Information** or **Third Party Information** the **Insured Organization** is liable.

Data Recovery Costs means the reasonable and necessary costs incurred by the **Insured Organization** to regain access to, replace, or restore **Data**, or if **Data** cannot reasonably be accessed, replaced, or restored, then the reasonable and necessary costs incurred by the **Insured Organization** to reach this determination.

Data Recovery Costs will not include: (i) the monetary value of profits, royalties, or lost market share related to **Data**, including but not limited to trade secrets or other proprietary information or any other amount pertaining to the value of **Data**; (ii) legal costs or legal expenses; (iii) loss arising out of any liability to any third party; or (iv) **Cyber Extortion Loss**.

Dependent Business means any entity that is not a part of the **Insured Organization** but which provides necessary products or services to the **Insured Organization** pursuant to a written contract.

Dependent Business Loss means:

1. **Income Loss**; and
2. **Extra Expense**;

actually sustained during the **Period of Restoration** as a result of an actual interruption of the **Insured Organization's** business operations caused by a **Dependent Security Breach** or **Dependent System Failure**. Coverage for **Dependent Business Loss** will apply only after the **Waiting Period** has elapsed.

Dependent Business Loss will not include (i) loss arising out of any liability to any third party; (ii) legal costs or legal expenses; (iii) loss incurred as a result of unfavorable business conditions; (iv) loss of market or any other consequential loss; (v) **Business Interruption Loss**; or (vi) **Data Recovery Costs**.

Dependent Security Breach means a failure of computer security to prevent a breach of computer systems operated by a **Dependent Business**.

Dependent System Failure means an unintentional and unplanned interruption of computer systems operated by a **Dependent Business**.

Dependent System Failure will not include any interruption of computer systems resulting from (i) a **Dependent Security Breach**, or (ii) the interruption of computer systems that are not operated by a **Dependent Business**.

Digital Currency means a type of digital currency that:

1. requires cryptographic techniques to regulate the generation of units of currency and verify the transfer thereof;
2. is both stored and transferred electronically; and
3. operates independently of a central bank or other central authority.

Education and Loss Prevention Tools means information and services made available by the Underwriters from time to time and includes access to beazleybreach.com, a dedicated portal through which **Insureds** can access news and information regarding breach response planning, data and network security threats, best practices in protecting data and networks, offers from third party service providers, and related information, tools and services. **Insureds** will also have access to communications addressing timely topics in data security, loss prevention and other areas.

Extortion Payment means **Money**, **Digital Currency**, marketable goods or services demanded to prevent or terminate an **Extortion Threat**.

Extortion Threat means a threat to:

1. alter, destroy, damage, delete or corrupt **Data**;
2. perpetrate the **Unauthorized Access or Use of Computer Systems**;
3. prevent access to **Computer Systems** or **Data**;
4. steal, misuse or publicly disclose **Data**, **Personally Identifiable Information** or **Third Party Information**;
5. introduce malicious code into **Computer Systems** or to third party computer systems from **Computer Systems**; or
6. interrupt or suspend **Computer Systems**;

unless an **Extortion Payment** is received from or on behalf of the **Insured Organization**.

Extra Expense means reasonable and necessary expenses incurred by the **Insured Organization** during the **Period of Restoration** to minimize, reduce or avoid **Income Loss**, over

and above those expenses the **Insured Organization** would have incurred had no **Security Breach, System Failure, Dependent Security Breach** or **Dependent System Failure** occurred.

Financial Institution means a bank, credit union, saving and loan association, trust company or other licensed financial service, securities broker-dealer, mutual fund, or liquid assets fund or similar investment company where the **Insured Organization** maintains a bank account.

Forensic Expenses means reasonable and necessary expenses incurred by the **Insured Organization** to investigate the source or cause of a **Business Interruption Loss**.

Fraudulent Instruction means the transfer, payment or delivery of **Money** or **Securities** by an **Insured** as a result of fraudulent written, electronic, telegraphic, cable, teletype or telephone instructions provided by a third party, that is intended to mislead an **Insured** through the misrepresentation of a material fact which is relied upon in good faith by such **Insured**.

Fraudulent Instruction will not include loss arising out of:

1. fraudulent instructions received by the **Insured** which are not first authenticated via a method other than the original means of request to verify the authenticity or validity of the request;
2. any actual or alleged use of credit, debit, charge, access, convenience, customer identification or other cards;
3. any transfer involving a third party who is not a natural person **Insured**, but had authorized access to the **Insured's** authentication mechanism;
4. the processing of, or the failure to process, credit, check, debit, personal identification number debit, electronic benefit transfers or mobile payments for merchant accounts;
5. accounting or arithmetical errors or omissions, or the failure, malfunction, inadequacy or illegitimacy of any product or service;
6. any liability to any third party, or any indirect or consequential loss of any kind;
7. any legal costs or legal expenses; or
8. proving or establishing the existence of **Fraudulent Instruction**.

Funds Transfer Fraud means the loss of **Money** or **Securities** contained in a **Transfer Account** at a **Financial Institution** resulting from fraudulent written, electronic, telegraphic, cable, teletype or telephone instructions by a third party issued to a **Financial Institution** directing such institution to transfer, pay or deliver **Money** or **Securities** from any account maintained by the **Insured Organization** at such institution, without the **Insured Organization's** knowledge or consent.

Funds Transfer Fraud will not include any loss arising out of:

1. the type or kind covered by the **Insured Organization's** financial institution bond or commercial crime policy;
2. any actual or alleged fraudulent, dishonest or criminal act or omission by, or involving, any natural person **Insured**;
3. any indirect or consequential loss of any kind;

4. punitive, exemplary or multiplied damages of any kind or any fines, penalties or loss of any tax benefit;
5. any liability to any third party, except for direct compensatory damages arising directly from **Funds Transfer Fraud**;
6. any legal costs or legal expenses; or proving or establishing the existence of **Funds Transfer Fraud**;
7. the theft, disappearance, destruction of, unauthorized access to, or unauthorized use of confidential information, including a PIN or security code;
8. any forged, altered or fraudulent negotiable instruments, securities, documents or instructions; or
9. any actual or alleged use of credit, debit, charge, access, convenience or other cards or the information contained on such cards.

Income Loss means an amount equal to:

1. net profit or loss before interest and tax that the **Insured Organization** would have earned or incurred; and
2. continuing normal operating expenses incurred by the **Insured Organization** (including payroll), but only to the extent that such operating expenses must necessarily continue during the **Period of Restoration**.

Individual Contractor means any natural person who performs labor or service for the **Insured Organization** pursuant to a written contract or agreement with the **Insured Organization**. The status of an individual as an **Individual Contractor** will be determined as of the date of an alleged act, error or omission by any such **Individual Contractor**.

Insured means:

1. the **Insured Organization**;
2. any director or officer of the **Insured Organization**, but only with respect to the performance of his or her duties as such on behalf of the **Insured Organization**;
3. an employee (including a part time, temporary, leased or seasonal employee or volunteer) or **Individual Contractor** of the **Insured Organization**, but only for work done while acting within the scope of his or her employment and related to the conduct of the **Insured Organization's** business;
4. a principal if the **Named Insured** is a sole proprietorship, or a partner if the **Named Insured** is a partnership, but only with respect to the performance of his or her duties as such on behalf of the **Insured Organization**;
5. any person who previously qualified as an **Insured** under parts 2. - 4., but only with respect to the performance of his or her duties as such on behalf of the **Insured Organization**;
6. an **Additional Insured**, but only as respects **Claims** against such person or entity for acts, errors or omissions of the **Insured Organization**;

7. the estate, heirs, executors, administrators, assigns and legal representatives of any **Insured** in the event of such **Insured's** death, incapacity, insolvency or bankruptcy, but only to the extent that such **Insured** would otherwise be provided coverage under this Policy; and
8. the lawful spouse, including any natural person qualifying as a domestic partner of any **Insured**, but solely by reason of any act, error or omission of an **Insured** other than such spouse or domestic partner.

Insured Organization means the **Named Insured** and any **Subsidiaries**.

Loss means **Breach Response Services, Business Interruption Loss, Claims Expenses, Criminal Reward Funds, Cyber Extortion Loss, Damages, Data Recovery Costs, Dependent Business Loss, PCI Fines, Expenses and Costs, Penalties**, loss covered under the eCrime insuring agreement and any other amounts covered under this Policy.

Multiple **Losses** arising from the same or a series of related, repeated or continuing acts, errors, omissions or events will be considered a single **Loss** for the purposes of this Policy.

With respect to the Breach Response and First Party Loss insuring agreements, all acts, errors, omissions or events (or series of related, repeated or continuing acts, errors, omissions or events) giving rise to a **Loss** or multiple **Losses** in connection with such insuring agreements will be deemed to have been discovered at the time the first such act, error, omission or event is discovered.

Media Liability means one or more of the following acts committed by, or on behalf of, the **Insured Organization** in the course of creating, displaying, broadcasting, disseminating or releasing **Media Material** to the public:

1. defamation, libel, slander, product disparagement, trade libel, infliction of emotional distress, outrage, outrageous conduct, or other tort related to disparagement or harm to the reputation or character of any person or organization;
2. a violation of the rights of privacy of an individual, including false light, intrusion upon seclusion and public disclosure of private facts;
3. invasion or interference with an individual's right of publicity, including commercial appropriation of name, persona, voice or likeness;
4. plagiarism, piracy, or misappropriation of ideas under implied contract;
5. infringement of copyright;
6. infringement of domain name, trademark, trade name, trade dress, logo, title, metatag, or slogan, service mark or service name;
7. improper deep-linking or framing;
8. false arrest, detention or imprisonment;
9. invasion of or interference with any right to private occupancy, including trespass, wrongful entry or eviction; or

10. unfair competition, if alleged in conjunction with any of the acts listed in parts 5. or 6. above.

Media Material means any information, including words, sounds, numbers, images or graphics, but will not include computer software or the actual goods, products or services described, illustrated or displayed in such **Media Material**.

Merchant Services Agreement means any agreement between an **Insured** and a financial institution, credit/debit card company, credit/debit card processor or independent service operator enabling an **Insured** to accept credit card, debit card, prepaid card or other payment cards for payments or donations.

Money means a medium of exchange in current use authorized or adopted by a domestic or foreign government as a part of its currency.

Named Insured means the Named Insured listed in the Declarations.

Notified Individuals Threshold means the number of individual persons listed in the Declarations.

PCI Fines, Expenses and Costs means the monetary amount owed by the **Insured Organization** under the terms of a **Merchant Services Agreement** as a direct result of a suspected **Data Breach**. With the prior consent of the Underwriters, **PCI Fines, Expenses and Costs** includes reasonable and necessary legal costs and expenses incurred by the **Insured Organization** to appeal or negotiate an assessment of such monetary amount. **PCI Fines, Expenses and Costs** will not include any charge backs, interchange fees, discount fees or other fees unrelated to a **Data Breach**.

Penalties means:

1. any monetary civil fine or penalty payable to a governmental entity that was imposed in a **Regulatory Proceeding**; and
2. amounts which the **Insured** is legally obligated to deposit in a fund as equitable relief for the payment of consumer claims due to an adverse judgment or settlement of a **Regulatory Proceeding** (including such amounts required to be paid into a "Consumer Redress Fund");

but will not include: (a) costs to remediate or improve **Computer Systems**; (b) costs to establish, implement, maintain, improve or remediate security or privacy practices, procedures, programs or policies; (c) audit, assessment, compliance or reporting costs; or (d) costs to protect the confidentiality, integrity and/or security of **Personally Identifiable Information** or other information.

The insurability of **Penalties** will be in accordance with the law in the applicable venue that most favors coverage for such **Penalties**.

Period of Restoration means the 180-day period of time that begins upon the actual and necessary interruption of the **Insured Organization's** business operations.

Personally Identifiable Information means:

1. any information concerning an individual that is defined as personal information under any **Breach Notice Law**; and

2. an individual's drivers license or state identification number, social security number, unpublished telephone number, and credit, debit or other financial account numbers in combination with associated security codes, access codes, passwords or PINs; if such information allows an individual to be uniquely and reliably identified or contacted or allows access to the individual's financial account or medical record information.

but will not include information that is lawfully made available to the general public.

Policy Period means the period of time between the inception date listed in the Declarations and the effective date of termination, expiration or cancellation of this Policy and specifically excludes any Optional Extension Period or any prior policy period or renewal period.

Privacy Policy means the **Insured Organization's** public declaration of its policy for collection, use, disclosure, sharing, dissemination and correction or supplementation of, and access to **Personally Identifiable Information**.

Regulatory Proceeding means a request for information, civil investigative demand, or civil proceeding brought by or on behalf of any federal, state, local or foreign governmental entity in such entity's regulatory or official capacity.

Securities means negotiable and non-negotiable instruments or contracts representing either **Money** or tangible property that has intrinsic value.

Security Breach means a failure of computer security to prevent:

1. **Unauthorized Access or Use of Computer Systems**, including **Unauthorized Access or Use** resulting from the theft of a password from a **Computer System** or from any **Insured**;
2. a denial of service attack affecting **Computer Systems**;
3. with respect to coverage under the Liability insuring agreements, a denial of service attack affecting computer systems that are not owned, operated or controlled by an **Insured**; or
4. infection of **Computer Systems** by malicious code or transmission of malicious code from **Computer Systems**.

Subsidiary means any entity:

1. which, on or prior to the inception date of this Policy, the **Named Insured** owns, directly or indirectly, more than 50% of the outstanding voting securities ("Management Control"); and
2. which the **Named Insured** acquires Management Control after the inception date of this Policy; provided that:
 - (i) the revenues of such entity do not exceed 15% of the **Named Insured's** annual revenues; or
 - (ii) if the revenues of such entity exceed 15% of the **Named Insured's** annual revenues, then coverage under this Policy will be afforded for a period of 60 days, but only for any **Claim** that arises out of any act, error, omission, incident or event first occurring after the entity becomes so owned. Coverage beyond such 60 day period will only be available if the **Named Insured** gives the

Underwriters written notice of the acquisition, obtains the written consent of Underwriters to extend coverage to the entity beyond such 60 day period and agrees to pay any additional premium required by Underwriters.

This Policy provides coverage only for acts, errors, omissions, incidents or events that occur while the **Named Insured** has Management Control over an entity.

System Failure means an unintentional and unplanned interruption of **Computer Systems**.

System Failure will not include any interruption of computer systems resulting from (i) a **Security Breach**, or (ii) the interruption of any third party computer system.

Telephone Fraud means the act of a third party gaining access to and using the **Insured Organization's** telephone system in an unauthorized manner.

Third Party Information means any trade secret, data, design, interpretation, forecast, formula, method, practice, credit or debit card magnetic strip information, process, record, report or other item of information of a third party not insured under this Policy which is not available to the general public.

Transfer Account means an account maintained by the **Insured Organization** at a **Financial Institution** from which the **Insured Organization** can initiate the transfer, payment or delivery of **Money** or **Securities**.

Unauthorized Access or Use means the gaining of access to or use of **Computer Systems** by an unauthorized person(s) or the use of **Computer Systems** in an unauthorized manner.

Unauthorized Disclosure means the disclosure of (including disclosure resulting from phishing) or access to information in a manner that is not authorized by the **Insured Organization** and is without knowledge of, consent or acquiescence of any member of the **Control Group**.

Waiting Period means the period of time that begins upon the actual interruption of the **Insured Organization's** business operations caused by a **Security Breach**, **System Failure**, **Dependent Security Breach** or **Dependent System Failure**, and ends after the elapse of the number of hours listed as the **Waiting Period** in the Declarations.

EXCLUSIONS

The coverage under this Policy will not apply to any **Loss** arising out of:

Bodily Injury or Property Damage

1. physical injury, sickness, disease or death of any person, including any mental anguish or emotional distress resulting from such physical injury, sickness, disease or death; or
2. physical injury to or destruction of any tangible property, including the loss of use thereof; but electronic data will not be considered tangible property;

Trade Practices and Antitrust

any actual or alleged false, deceptive or unfair trade practices, antitrust violation, restraint of trade, unfair competition (except as provided in the Media Liability insuring agreement), or false or deceptive or misleading advertising or violation of the Sherman Antitrust Act, the Clayton Act, or the Robinson-Patman Act; but this exclusion will not apply to:

1. the Breach Response insuring agreement; or
2. coverage for a **Data Breach** or **Security Breach**, provided no member of the **Control Group** participated or colluded in such **Data Breach** or **Security Breach**;

Gathering or Distribution of Information

1. the unlawful collection or retention of **Personally Identifiable Information** or other personal information by or on behalf of the **Insured Organization**; but this exclusion will not apply to **Claims Expenses** incurred in defending the **Insured** against allegations of unlawful collection of **Personally Identifiable Information**; or
2. the distribution of unsolicited email, text messages, direct mail, facsimiles or other communications, wire tapping, audio or video recording, or telemarketing, if such distribution, wire tapping, recording or telemarketing is done by or on behalf of the **Insured Organization**; but this exclusion will not apply to **Claims Expenses** incurred in defending the **Insured** against allegations of unlawful audio or video recording;

Prior Known Acts & Prior Noticed Claims

1. any act, error, omission, incident or event committed or occurring prior to the inception date of this Policy if any member of the **Control Group** on or before the **Continuity Date** knew or could have reasonably foreseen that such act, error or omission, incident or event might be expected to be the basis of a **Claim** or **Loss**;
2. any **Claim**, **Loss**, incident or circumstance for which notice has been provided under any prior policy of which this Policy is a renewal or replacement;

Racketeering, Benefit Plans, Employment Liability & Discrimination

1. any actual or alleged violation of the Organized Crime Control Act of 1970 (commonly known as Racketeer Influenced and Corrupt Organizations Act or RICO), as amended;
2. any actual or alleged acts, errors or omissions related to any of the **Insured Organization's** pension, healthcare, welfare, profit sharing, mutual or investment plans, funds or trusts;
3. any employer-employee relations, policies, practices, acts or omissions, or any actual or alleged refusal to employ any person, or misconduct with respect to employees; or
4. any actual or alleged discrimination;

but this exclusion will not apply to coverage under the Breach Response insuring agreement or parts 1., 2. or 3. of the Data & Network Liability insuring agreement that results from a **Data Breach**; provided no member of the **Control Group** participated or colluded in such **Data Breach**;

Sale or Ownership of Securities & Violation of Securities Laws

1. the ownership, sale or purchase of, or the offer to sell or purchase stock or other securities; or
2. an actual or alleged violation of a securities law or regulation;

Criminal, Intentional or Fraudulent Acts

any criminal, dishonest, fraudulent, or malicious act or omission, or intentional or knowing violation of the law, if committed by an **Insured**, or by others if the **Insured** colluded or participated in any such conduct or activity; but this exclusion will not apply to:

1. **Claims Expenses** incurred in defending any **Claim** alleging the foregoing until there is a final non-appealable adjudication establishing such conduct; or
2. with respect to a natural person **Insured**, if such **Insured** did not personally commit, participate in or know about any act, error, omission, incident or event giving rise to such **Claim** or **Loss**.

For purposes of this exclusion, only acts, errors, omissions or knowledge of a member of the **Control Group** will be imputed to the **Insured Organization**;

Patent, Software Copyright, Misappropriation of Information

1. infringement, misuse or abuse of patent or patent rights;
2. infringement of copyright arising from or related to software code or software products other than infringement resulting from a theft or **Unauthorized Access or Use** of software code by a person who is not a past, present or future employee, director, officer, partner or independent contractor of the **Insured Organization**; or
3. use or misappropriation of any ideas, trade secrets or **Third Party Information** (i) by, or on behalf of, the **Insured Organization**, or (ii) by any other person or entity if such use or misappropriation is done with the knowledge, consent or acquiescence of a member of the **Control Group**;

Governmental Actions

a **Claim** brought by or on behalf of any state, federal, local or foreign governmental entity, in such entity's regulatory or official capacity; but this exclusion will not apply to the Regulatory Defense & Penalties insuring agreement;

Other Insureds & Related Enterprises

a **Claim** made by or on behalf of:

1. any **Insured**; but this exclusion will not apply to a **Claim** made by an individual that is not a member of the **Control Group** under the Data & Network Liability insuring agreement, or a **Claim** made by an **Additional Insured**; or
2. any business enterprise in which any **Insured** has greater than 15% ownership interest or made by any parent company or other entity which owns more than 15% of the **Named Insured**;

Trading Losses, Loss of Money & Discounts

1. any trading losses, trading liabilities or change in value of accounts;
2. any loss, transfer or theft of monies, securities or tangible property of the **Insured** or others in the care, custody or control of the **Insured Organization**;
3. the monetary value of any transactions or electronic fund transfers by or on behalf of the **Insured** which is lost, diminished, or damaged during transfer from, into or between

accounts; or

4. the value of coupons, price discounts, prizes, awards, or any other valuable consideration given in excess of the total contracted or expected amount;

but this exclusion will not apply to coverage under the eCrime insuring agreement;

Media-Related Exposures

with respect to the Media Liability insuring agreement:

1. any contractual liability or obligation; but this exclusion will not apply to a **Claim** for misappropriation of ideas under implied contract;
2. the actual or alleged obligation to make licensing fee or royalty payments;
3. any costs or expenses incurred or to be incurred by the **Insured** or others for the reprinting, reposting, recall, removal or disposal of any **Media Material** or any other information, content or media, including any media or products containing such **Media Material**, information, content or media;
4. any **Claim** brought by or on behalf of any intellectual property licensing bodies or organizations;
5. the actual or alleged inaccurate, inadequate or incomplete description of the price of goods, products or services, cost guarantees, cost representations, contract price estimates, or the failure of any goods or services to conform with any represented quality or performance;
6. any actual or alleged gambling, contest, lottery, promotional game or other game of chance; or
7. any **Claim** made by or on behalf of any independent contractor, joint venturer or venture partner arising out of or resulting from disputes over ownership of rights in **Media Material** or services provided by such independent contractor, joint venturer or venture partner;

First Party Loss

with respect to the First Party Loss insuring agreements:

1. seizure, nationalization, confiscation, or destruction of property or data by order of any governmental or public authority;
2. costs or expenses incurred by the **Insured** to identify or remediate software program errors or vulnerabilities or update, replace, restore, assemble, reproduce, recollect or enhance data or **Computer Systems** to a level beyond that which existed prior to a **Security Breach, System Failure, Dependent Security Breach, Dependent System Failure** or **Extortion Threat**;
3. failure or malfunction of satellites or of power, utility, mechanical or telecommunications (including internet) infrastructure or services that are not under the **Insured Organization's** direct operational control; or
4. fire, flood, earthquake, volcanic eruption, explosion, lightning, wind, hail, tidal wave,

landslide, act of God or other physical event.

LIMIT OF LIABILITY AND COVERAGE

Limits of Liability

The Policy Aggregate Limit of Liability listed in the Declarations (the “**Policy Aggregate Limit of Liability**”) is the Underwriters’ combined total limit of liability for all **Loss**, other than **Breach Response Services**, payable under this Policy.

The limit of liability payable under each insuring agreement will be an amount equal to the **Policy Aggregate Limit of Liability** unless another amount is listed in the Declarations. Such amount is the aggregate amount payable under this Policy pursuant to such insuring agreement and is part of, and not in addition to, the **Policy Aggregate Limit of Liability**.

All **Dependent Business Loss** payable under this Policy is part of and not in addition to the **Business Interruption Loss** limit listed in the Declarations.

The Underwriters will not be obligated to pay any **Damages, Penalties, PCI Fines, Expenses and Costs** or **Claims Expenses**, or to defend any **Claim**, after the **Policy Aggregate Limit of Liability** has been exhausted, or after deposit of the **Policy Aggregate Limit of Liability** in a court of competent jurisdiction.

Breach Response Limits

Coverage for **Breach Response Services** under this Policy is in addition to the **Policy Aggregate Limit of Liability**.

The Notified Individuals limit listed in the Declarations is the maximum total number of individuals to whom notification, call center and credit or identity monitoring services will be provided (or attempted) for all incidents or series of related incidents giving rise to an obligation to provide **Breach Response Services**.

The Legal, Forensic & Public Relations/Crisis Management limit listed in the Declarations is the aggregate limit of coverage for all services and costs covered under parts 1., 2., 3. and 7. of the definition of **Breach Response Services**.

Except as provided in the Additional Breach Response Limits clause below, the Underwriters will not be obligated to provide any **Breach Response Services** after the number of individuals to whom services are provided under part 4. of the definition of **Breach Response Services** reaches the Notified Individuals limit listed in the Declarations. If the total number of individuals to be notified under the Policy exceeds the Notified Individuals limit listed in the Declarations, the **Insured** will be responsible for notifying and providing call center services and credit or identity monitoring services to such additional individuals in accordance with the processes described in the Information Packet.

Additional Breach Response Limits

Notwithstanding the foregoing, if:

1. the total number of individuals to whom services described in parts 4., 5. and 6. of the definition of **Breach Response Services** are provided exceeds the amount listed in Notified Individuals limit listed in the Declarations; or
2. the dollar amount of the services described in parts 1., 2., 3. and 7. of the definition of **Breach Response Services** provided to the **Insured Organization** exceeds the Legal, Forensic & Public Relations/Crisis Management limit listed in the Declarations;

this Policy will cover the costs, fees and expenses incurred to provide such **Breach Response Services** up to an amount equal to the **Policy Aggregate Limit of Liability** (the "**Additional Breach Response Limit**").

The **Additional Breach Response Limit** is part of, and not in addition to, the **Policy Aggregate Limit of Liability** and will be reduced and may be exhausted by payments under either limit. Upon exhaustion of the **Additional Breach Response Limit**, there will be no further coverage under this Policy for any costs, fees or expenses covered thereunder.

RETENTIONS

The Retention listed in the Declarations applies separately to each incident, event or related incidents or events giving rise to a **Claim** or **Loss**. The Retention will be satisfied by monetary payments by the **Named Insured** of covered **Loss** under each insuring agreement. If any **Loss** arising out of an incident or **Claim** is subject to more than one Retention, the Retention for each applicable insuring agreement will apply to such **Loss**, provided that the sum of such Retention amounts will not exceed the largest applicable Retention amount.

The Retention for **Breach Response Services** listed in the Declarations applies separately to each incident, event or related incidents or events, giving rise to legal, forensic and public relations/crisis management services and costs covered under parts 1., 2., 3. and 7. of the definition of **Breach Response Services**. The Retention will be satisfied by monetary payments by the **Named Insured** for such services and costs.

Coverage for **Business Interruption Loss** and **Dependent Business Loss** will apply after the **Waiting Period** has elapsed and the Underwriters will then indemnify the **Named Insured** for all **Business Interruption Loss** and **Dependent Business Loss** sustained during the **Period of Restoration** in excess of the Retention.

Satisfaction of the applicable Retention is a condition precedent to the payment of any **Loss** under this Policy, and the Underwriters will be liable only for the amounts in excess of such Retention.

OPTIONAL EXTENSION PERIOD

Upon non-renewal or cancellation of this Policy for any reason except the non-payment of premium, the **Named Insured** will have the right to purchase, for additional premium in the amount of the Optional Extension Premium percentage listed in the Declarations of the full Policy Premium listed in the Declarations, an Optional Extension Period for the period of time listed in the Declarations. Coverage provided by such Optional Extension Period will only apply to **Claims** first made against any **Insured** during the Optional Extension Period and reported to the Underwriters during the Optional Extension Period, and arising out of any act, error or omission committed before the end of the **Policy Period**. In order for the **Named Insured** to invoke the Optional Extension Period option, the payment of the additional premium for the Optional Extension Period must be paid to the Underwriters within 60 days of the termination of this Policy.

The purchase of the Optional Extension Period will in no way increase the **Policy Aggregate Limit of Liability** or any sublimit of liability. At the commencement of the Optional Extension Period the entire premium will be deemed earned, and in the event the **Named Insured** terminates the Optional Extension Period for any reason prior to its natural expiration, the Underwriters will not be liable to return any premium paid for the Optional Extension Period.

All notices and premium payments with respect to the Optional Extension Period option will be directed to the Underwriters through entity listed for Administrative Notice in the Declarations.

GENERAL CONDITIONS

Notice of Claim or Loss

The **Insured** must notify the Underwriters of any **Claim** as soon as practicable, but in no event later than: (i) 60 days after the end of the **Policy Period**; or (ii) the end of the Optional Extension Period (if applicable). Notice must be provided through the contacts listed for Notice of Claim, Loss or Circumstance in the Declarations.

With respect to **Breach Response Services**, the **Insured** must notify the Underwriters of any actual or reasonably suspected **Data Breach** or **Security Breach** as soon as practicable after discovery by the **Insured**, but in no event later than 60 days after the end of the **Policy Period**. Notice must be provided to the **Breach Response Services Team** listed in the Declarations. Notice of an actual or reasonably suspected **Data Breach** or **Security Breach** in conformance with this paragraph will also constitute notice of a circumstance that could reasonably be the basis for a **Claim**.

With respect to **Cyber Extortion Loss**, the **Named Insured** must notify the Underwriters via the email address listed in the Notice of Claim, Loss or Circumstance in the Declarations as soon as practicable after discovery of an **Extortion Threat** but no later than 60 days after the end of the **Policy Period**. The **Named Insured** must obtain the Underwriters' consent prior to incurring **Cyber Extortion Loss**.

With respect to **Data Recovery Costs**, **Business Interruption Loss** and **Dependent Business Loss** the **Named Insured** must notify the Underwriters through the contacts for Notice of Claim, Loss or Circumstance in the Declarations as soon as practicable after discovery of the circumstance, incident or event giving rise to such loss. The **Named Insured** will provide the Underwriters a proof of **Data Recovery Costs**, **Business Interruption Loss** and **Dependent Business Loss**, and this Policy will cover the reasonable and necessary costs, not to exceed USD 50,000, that the **Named Insured** incurs to contract with a third party to prepare such proof. All loss described in this paragraph must be reported, and all proofs of loss must be provided, to the Underwriters no later than 6 months after the end of the **Policy Period**.

The **Named Insured** must notify the Underwriters of any loss covered under the eCrime insuring agreement as soon as practicable, but in no event later than 60 days after the end of the **Policy Period**. Notice must be provided through the contacts listed for **Notice of Claim, Loss or Circumstance** in the Declarations.

Any **Claim** arising out of a **Loss** that is covered under the Breach Response, First Party Loss or eCrime insuring agreements and that is reported to the Underwriters in conformance with the foregoing will be considered to have been made during the **Policy Period**.

Notice of Circumstance

With respect to any circumstance that could reasonably be the basis for a **Claim** (other than a **Data Breach** or **Security Breach** noticed under the Breach Response insuring agreement) the **Insured** may give written notice of such circumstance to the Underwriters through the contacts listed for Notice of Claim, Loss or Circumstance in the Declarations as soon as practicable during the **Policy Period**. Such notice must include:

1. the specific details of the act, error, omission or event that could reasonably be the basis for a **Claim**;
2. the injury or damage which may result or has resulted from the circumstance; and
3. the facts by which the **Insured** first became aware of the act, error, omission or event.

Any subsequent **Claim** made against the **Insured** arising out of any circumstance reported to Underwriters in conformance with the foregoing will be considered to have been made at the time written notice complying with the above requirements was first given to the Underwriters during the **Policy Period**.

Defense of Claims

Except with respect to coverage under the Payment Card Liabilities & Costs insuring agreement, the Underwriters have the right and duty to defend any covered **Claim** or **Regulatory Proceeding**. Defense counsel will be mutually agreed by the **Named Insured** and the Underwriters but, in the absence of such agreement, the Underwriters' decision will be final.

With respect to the Payment Card Liabilities & Costs insuring agreement, coverage will be provided on an indemnity basis and legal counsel will be mutually agreed by the **Named Insured** and the Underwriters and will be selected from one of the firms listed in the Information Packet.

The Underwriters will pay actual loss of salary and reasonable expenses resulting from the attendance by a corporate officer of the **Insured Organization** at any mediation meetings, arbitration proceedings, hearings, depositions, or trials relating to the defense of any **Claim**, subject to a maximum of \$2,000 per day and \$100,000 in the aggregate, which amounts will be part of and not in addition to the **Policy Aggregate Limit of Liability**.

Settlement of Claims

If the **Insured** refuses to consent to any settlement recommended by the Underwriters and acceptable to the claimant, the Underwriters' liability for such **Claim** will not exceed:

1. the amount for which the **Claim** could have been settled, less the remaining Retention, plus the **Claims Expenses** incurred up to the time of such refusal; plus
2. sixty percent (60%) of any **Claims Expenses** incurred after the date such settlement or compromise was recommended to the **Insured** plus sixty percent (60%) of any **Damages, Penalties and PCI Fines, Expenses and Costs above the** amount for which the **Claim** could have been settled;

and the Underwriters will have the right to withdraw from the further defense of such **Claim**.

The **Insured** may settle any **Claim** where the **Damages, Penalties, PCI Fines, Expenses**

and Costs and **Claims Expenses** do not exceed the Retention, provided that the entire **Claim** is resolved and the **Insured** obtains a full release on behalf of all **Insureds** from all claimants.

Assistance and Cooperation

The Underwriters will have the right to make any investigation they deem necessary, and the **Insured** will cooperate with the Underwriters in all investigations, including investigations regarding coverage under this Policy and the information and materials provided to the underwriters in connection with the underwriting and issuance of this Policy. The **Insured** will execute or cause to be executed all papers and render all assistance as is requested by the Underwriters. The **Insured** agrees not to take any action which in any way increases the Underwriters' exposure under this Policy. Expenses incurred by the **Insured** in assisting and cooperating with the Underwriters do not constitute **Claims Expenses** under the Policy.

The **Insured** will not admit liability, make any payment, assume any obligations, incur any expense, enter into any settlement, stipulate to any judgment or award or dispose of any **Claim** without the written consent of the Underwriters, except as specifically provided in the Settlement of Claims clause above. Compliance with a **Breach Notice Law** will not be considered an admission of liability.

Subrogation

If any payment is made under this Policy and there is available to the Underwriters any of the **Insured's** rights of recovery against any other party, then the Underwriters will maintain all such rights of recovery. The **Insured** will do whatever is reasonably necessary to secure such rights and will not do anything after an incident or event giving rise to a **Claim** or **Loss** to prejudice such rights. If the **Insured** has waived its right to subrogate against a third party through written agreement made before an incident or event giving rise to a **Claim** or **Loss** has occurred, then the Underwriters waive their rights to subrogation against such third party. Any recoveries will be applied first to subrogation expenses, second to **Loss** paid by the Underwriters, and lastly to the Retention. Any additional amounts recovered will be paid to the **Named Insured**.

Other Insurance

The insurance under this Policy will apply in excess of any other valid and collectible insurance available to any **Insured** unless such other insurance is written only as specific excess insurance over this Policy.

Action Against the Underwriters

No action will lie against the Underwriters or the Underwriters' representatives unless and until, as a condition precedent thereto, the **Insured** has fully complied with all provisions, terms and conditions of this Policy and the amount of the **Insured's** obligation to pay has been finally determined either by judgment or award against the **Insured** after trial, regulatory proceeding, arbitration or by written agreement of the **Insured**, the claimant, and the Underwriters.

No person or organization will have the right under this Policy to join the Underwriters as a party to an action or other proceeding against the **Insured** to determine the **Insured's** liability, nor will the Underwriters be impleaded by the **Insured** or the **Insured's** legal representative.

The **Insured's** bankruptcy or insolvency of the **Insured's** estate will not relieve the Underwriters of their obligations hereunder.

Change of Law, Unavailability of Breach Response Services

If there is a change of law, regulation or enforcement that prevents the Underwriters or its providers from providing all or part of the **Breach Response Services**, or if a provider is unable to or does not provide **Breach Response Services**, the Underwriters will make reasonable efforts to procure similar services from other sources. In such event, the maximum the Underwriters will pay for the costs of procuring and providing all **Breach Response Services**, including substitute products and services, will be no more than USD 10,000,000 in the aggregate for the **Policy Period**, which amount will be in addition to the **Policy Aggregate Limit of Liability**. If it is not reasonably possible for the Underwriters to procure substitute products or services, the Underwriters will not be obligated to provide such services.

Entire Agreement

By acceptance of the Policy, all **Insureds** agree that this Policy embodies all agreements between the Underwriters and the **Insured** relating to this Policy. Notice to any agent, or knowledge possessed by any agent or by any other person, will not effect a waiver or a change in any part of this Policy or stop the Underwriters from asserting any right under the terms of this Policy; nor will the terms of this Policy be waived or changed, except by endorsement issued to form a part of this Policy signed by the Underwriters.

Mergers or Consolidations

If during the **Policy Period** the **Named Insured** consolidates or merges with or is acquired by another entity, or sells more than 50% of its assets to another entity, then this Policy will continue to remain in effect through the end of the **Policy Period**, but only with respect to events, acts or incidents that occur prior to such consolidation, merger or acquisition. There will be no coverage provided by this Policy for any other **Claim** or **Loss** unless the **Named Insured** provides written notice to the Underwriters prior to such consolidation, merger or acquisition, the **Named Insured** has agreed to any additional premium and terms of coverage required by the Underwriters and the Underwriters have issued an endorsement extending coverage under this Policy.

Assignment

The interest hereunder of any **Insured** is not assignable. If the **Insured** dies or is adjudged incompetent, such insurance will cover the **Insured's** legal representative as if such representative were the **Insured**, in accordance with the terms and conditions of this Policy.

Cancellation

This Policy may be canceled by the **Named Insured** by giving written notice to the Underwriters through the entity listed for Administrative Notice in the Declarations stating when the cancellation will be effective.

This Policy may be canceled by the Underwriters by mailing to the **Named Insured** at the address listed in the Declarations written notice stating when such cancellation will be effective. Such date of cancellation will not be less than 60 days (or 10 days for cancellation due to non-payment of premium) after the date of notice.

If this Policy is canceled in accordance with the paragraphs above, the earned premium will be computed pro rata; but the premium will be deemed fully earned if any **Claim**, or any circumstance that could reasonably be the basis for a **Claim** or **Loss**, is reported to the Underwriters on or before the date of cancellation. Payment or tender of unearned premium is not a condition of cancellation.

Singular Form of a Word

Whenever the singular form of a word is used herein, the same will include the plural when required by context.

Headings

The titles of paragraphs, clauses, provisions or endorsements of or to this Policy are intended solely for convenience and reference, and are not deemed in any way to limit or expand the provisions to which they relate and are not part of the Policy.

Representation by the Insured

All **Insureds** agree that the statements contained the information and materials provided to the Underwriters in connection with the underwriting and issuance of this Policy are true, accurate and are not misleading, and that the Underwriters issued this Policy, and assume the risks hereunder, in reliance upon the truth thereof.

Named Insured as Agent

The **Named Insured** will be considered the agent of all **Insureds**, and will act on behalf of all **Insureds** with respect to the giving of or receipt of all notices pertaining to this Policy, and the acceptance of any endorsements to this Policy. The **Named Insured** is responsible for the payment of all premiums and Retentions and for receiving any return premiums.



An attack occurred, it was contained and a response plan was activated—what’s next?

The inevitable happened, the organization is recovering and security resources are stretched thin. It’s now time to get focused, not only on what occurred but how to limit further exposure and get back to business. Post-breach remediation is the first, next step.

Security expertise and guidance when it’s needed most

After a breach, clients need the advice of an experienced team that’s been through this time and again to help them identify and close critical gaps, develop an enhanced security program, and get back to business – quickly. Lodestone provides immediate and experienced resources to help minimize exposure when clients are acutely vulnerable.

Following a thorough forensic investigation, Lodestone delivers a tailored, point-by-point approach and the guidance to formulate a post-breach remediation strategy. Our systematic process begins with a thorough **Assessment** of a client’s existing security program to identify vulnerabilities and critical gaps, and to get a clear view of their readiness for potential attacks. It continues with a **Definition** of an enhanced strategy, posture and roadmap. And culminates with the proper **Deployment** of resources aligned to key security priorities. Central to this strategy is Lodestone’s ability to customize the strategy to a client’s unique risk profile, security capability and resources.

Assessment

- Identify** sensitive information assets, and highest risks
- Examine** existing security organization, structure and capability
- Assess** quality of policies, standards and procedures
- Develop** threat model of existing technical infrastructure
- Conduct** vulnerability assessment of networks, applications, mobile, cloud and high-risk infrastructure
- Analyze** incident response program governance and key performance metrics
- Review** cyber security program governance and key performance metrics

Definition

- Define** ideal security posture in three key areas and develop strategic recommendations:
 - People**--articulate the needed organizational structure and the required skills and abilities of responsible parties
 - Process:** detail security requirements, define standards, policies, procedures and controls including Governance Risk, and Compliance (GRC)
 - Technology:** define appropriate architecture, tools, and applications to safeguard against future risks and threats

Deployment

- Governance and Program Management** – Ensure security organization has defined governance structure
- Risk Management** – Ensure processes are optimized so business risks are understood, evaluated, treated, and reported
- Technology** -- Ensure network security capabilities; intrusion protection, database and storage security; encryption malware, meet or exceed industry best practices
- Data** – Recommend secure file transfer/sharing, enterprise encryption, and data leakage protection enhancements
- Process** – Mature process around Identity and Access Management, Threat and Vulnerability Management, Incident Response, Third-party Risk Management, Information Asset Management and Secure SDLC
- People** – Security awareness and training

Understanding the vulnerabilities of small and mid-size companies, Lodestone is well equipped to evaluate a company's security posture and develop a targeted strategy to address its crucial issues.

External Vulnerability Posture Improvement

We combine automated scanning with manual assessment techniques to evaluate the security of internet exposed network devices and servers— a common point of entry for attackers including VPN and Remote access systems.

Activities include: host discovery, host enumeration, scanning for network and basic web application vulnerabilities, and manual verification of results.

Insider Threat Posture Improvement

Working from inside your network, we conduct an internal vulnerability assessment and recommend improvements to the security of network devices and servers including network architecture, firewall, host configuration, application servers, and databases.

Vulnerability Management Program Improvement

We assess a client's existing vulnerability management program and make recommendations for establishing appropriate people, process, and technology resources.

Security Awareness Program Improvement (Social Engineering/Phishing)

Many breaches are the result of weak passwords or social engineering vulnerabilities such as, conveying sensitive information by telephone, complying with phishing email instructions, or using USB devices infected with malware. Lodestone helps create security awareness and training to educate end-users on the threats from common activities they perform.

Wireless Security Posture Improvement

We review wireless networks for exposure and vulnerability and make recommendations to enhance the wireless security posture. For example, we determine how far the wireless signal propagates, whether rogue access points exist, if secure encryption is in use and if appropriate authentication mechanisms are in place.

Application Security Posture Improvement

Lodestone conducts a review of the security of the client's target applications, assessing the infrastructure, configuration, input handling, application logic, and security controls in place. This review is performed against applications built in-house by the client, as well as current or potential 3rd party vendor services and applications. We look for vulnerabilities that could give an attacker access to the data the application protects, or the system it is hosted on. Lodestones' collective experience covers a wide variety of environments, including Web apps & services, Android & iOS apps, Binary applications, through Embedded and Internet of Things (IoT).

Application Security Program Improvement

Lodestone evaluates the maturity of the existing application SDLC and works with your organization to determine the target state using an industry standard security program maturity model. This includes security practices within Governance, Construction, Verification, and Deployment of your Application Development program. We develop an executive roadmap, CISO roadmap, and Project roadmap.

Incident Response Program Improvement

We review current organization, documentation, methodology, and technical capabilities to determine strengths, weaknesses, and steps required to improve the organization's ability to respond to computer security incidents. We design, develop or refine governance, skills, process and technology an organization uses to respond to computer security incidents with the goal of improving your organization's incident response practices.

Policy, Procedure and Standards Improvement

We evaluate and make recommendations to improve the effectiveness of existing policies and/or develop enhanced security policies with established security guidelines. We apply best practices consistent with standards; such as, Payment Card Industry Data Security Standard (PCI-DSS), Health Insurance Portability and Accountability Act (HIPAA), Gramm Leach Bliley (GLB), National Institute of Standards and Technology (NIST) and International Organization for Standardization (ISO) 27001/27002.

Lodestone Security is a wholly -owned subsidiary of Beazley plc. Lodestone provides computer security and cyber security services. Lodestone does not provide insurance services and client information obtained by Lodestone is not shared with Beazley claims or underwriting. Likewise, client information obtained by Beazley claims or underwriting is not shared with Lodestone.

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