

The Customized Approach



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How the Customized Approach Works



| Requirements and Testing Procedures | | Guidance |
|--|--|--|
| <p>Defined Approach Requirements</p> <p>5.2.2 The deployed anti-malware solution(s):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Detects all known types of malware. <input type="checkbox"/> Removes, blocks, or contains all known types of malware. | <p>Defined Approach Testing Procedures</p> <p>5.2.2 Examine vendor documentation and configurations of the anti-malware solution(s) to verify that the solution:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Detects all known types of malware. <input type="checkbox"/> Removes, blocks, or contains all known types of malware. | <p>Purpose</p> <p>It is important to protect against all types and forms of malware to prevent unauthorized access.</p> <p>Good Practice</p> <p>Anti-malware solutions may include a combination of network-based controls, host-based controls, and endpoint security solutions. In addition to signature-based tools, capabilities used by modern anti-malware solutions include sandboxing, privilege escalation controls, and machine learning.</p> <p>Solution techniques include preventing malware from getting into the network and removing or containing malware that does get into the network.</p> <p>Examples</p> <p>Types of malware include, but are not limited to, viruses, Trojans, worms, spyware, ransomware, keyloggers, rootkits, malicious code, scripts, and links.</p> |
| <p>Customized Approach Objective</p> <p>Malware cannot execute or infect other system components.</p> | | |



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How the Customized Approach Works

Defined Approach

Objective

5.2.2 The deployed anti-malware solution(s):

- Detects all known types of malware.
- Removes, blocks, or contains all known types of malware.

Testing Procedure

Examine vendor documentation and configurations of the anti-malware solution(s) to verify that the solution:

- Detects all known types of malware.
- Removes, blocks, or contains all known types of malware.

Customized Approach

Objective

5.2.2 Malware cannot execute, or infect other system components.



An organization can select its own controls to meet the customized approach objective.



How the Customized Approach Works

Defined Approach

Objective

5.2.2 The deployed anti-malware solution(s):

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Testing Procedure

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Customized Approach

Objective

5.2.2 Malware cannot execute or infect other system components.

An organization deploys allow-listing to prevent all unknown software executing



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Defined Approach

Objective

5.2.2 The deployed anti-malware solution(s):

- Detects all known types of malware.
- Removes, blocks, or contains all known types of malware.

For each requirement you can do this

Examine vendor documentation and configurations of the anti-malware solution(s) to verify that the solution:

- Detects all known types of malware.
- Removes, blocks, or contains all known types of malware.

Customized Approach

Objective

5.2.2 Malware cannot execute or infect other system components.

or this



How the Customized Approach Works

| Defined Approach | Customized Approach |
|--|---|
| <p data-bbox="273 572 1915 872">Objective Or, for any requirement you can do both:</p> <ul data-bbox="273 891 1666 1622" style="list-style-type: none">• Removes, blocks, or contains all known types of malware.• Defined approach for one environment• Customized approach for a different environment | <p data-bbox="1755 572 2915 797">Objective Malware cannot execute or infect other system components</p>  |



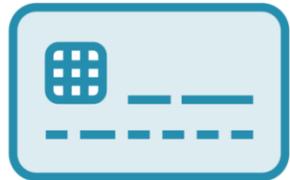
Customized Approach



Designed for “sophisticated” entities / organizations



Requires an assessor – QSA or ISA



Brands may make rules about this



Very new



Probably expensive



What About Compensating Controls?

Compensating Controls

Customized Approach



What About Compensating Controls?

Compensating Controls

When an organization cannot meet a requirement because of a legitimate and documented, business or technical reason.

Meets the intent of the defined approach requirement.

Does not require an assessor.

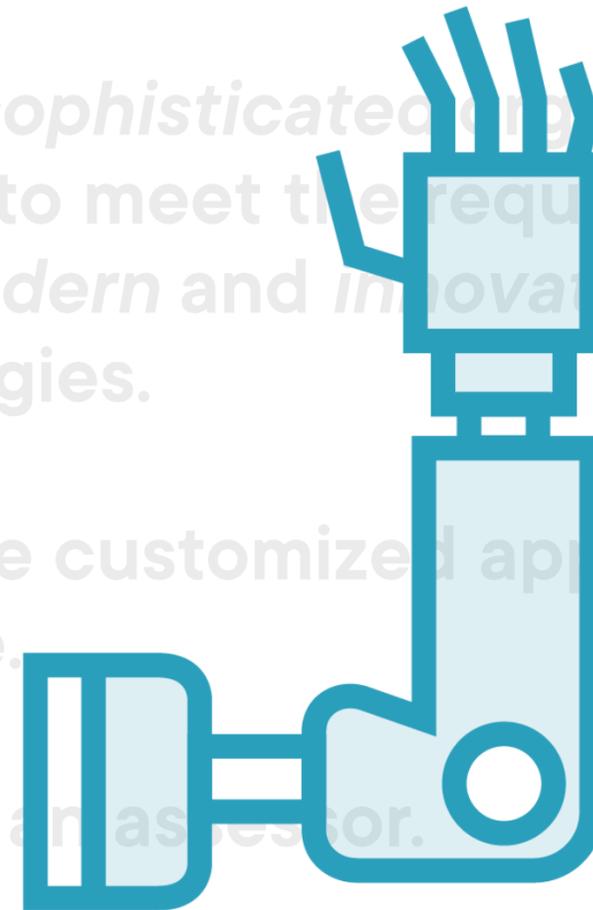


Customized Approach

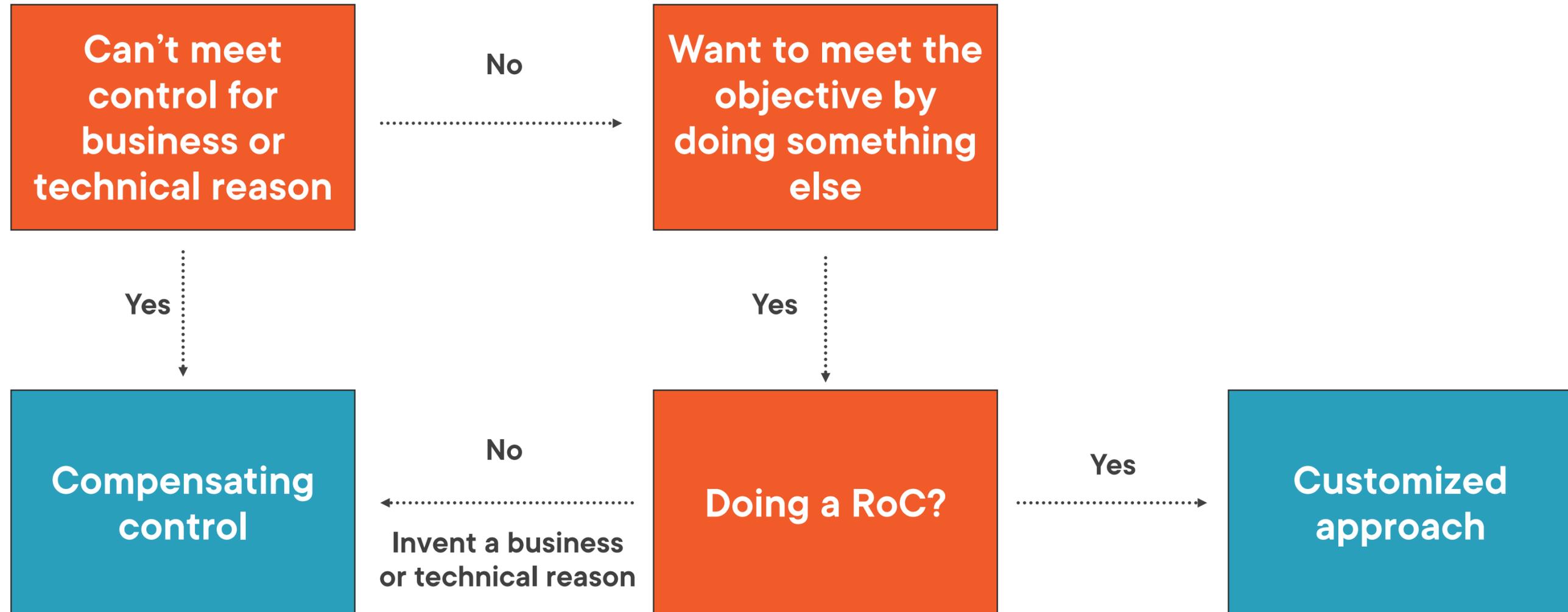
When a *sophisticated* organization chooses to meet the requirement using *modern and innovative* technologies.

Meets the customized approach objective.

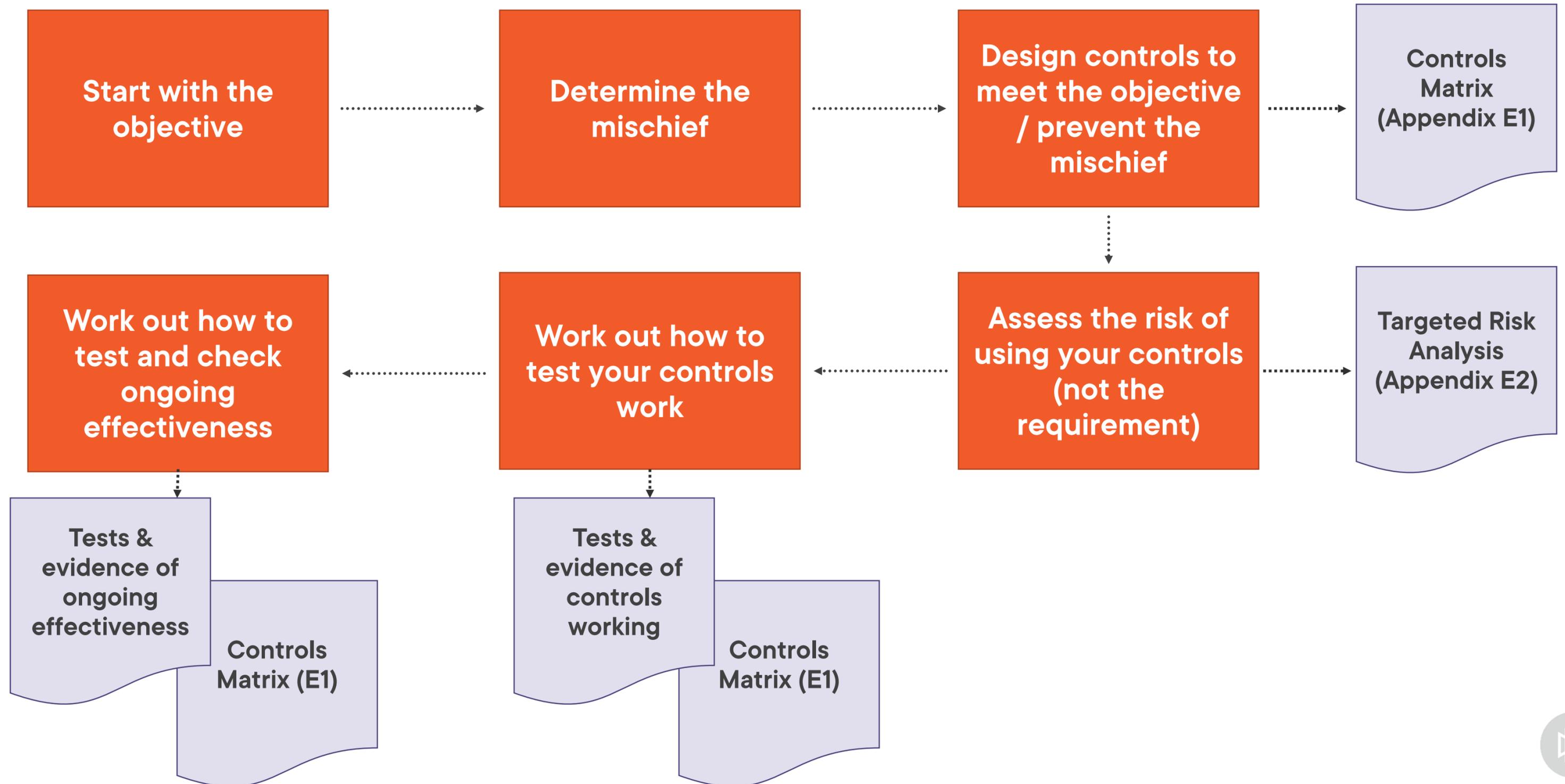
Requires an assessor.



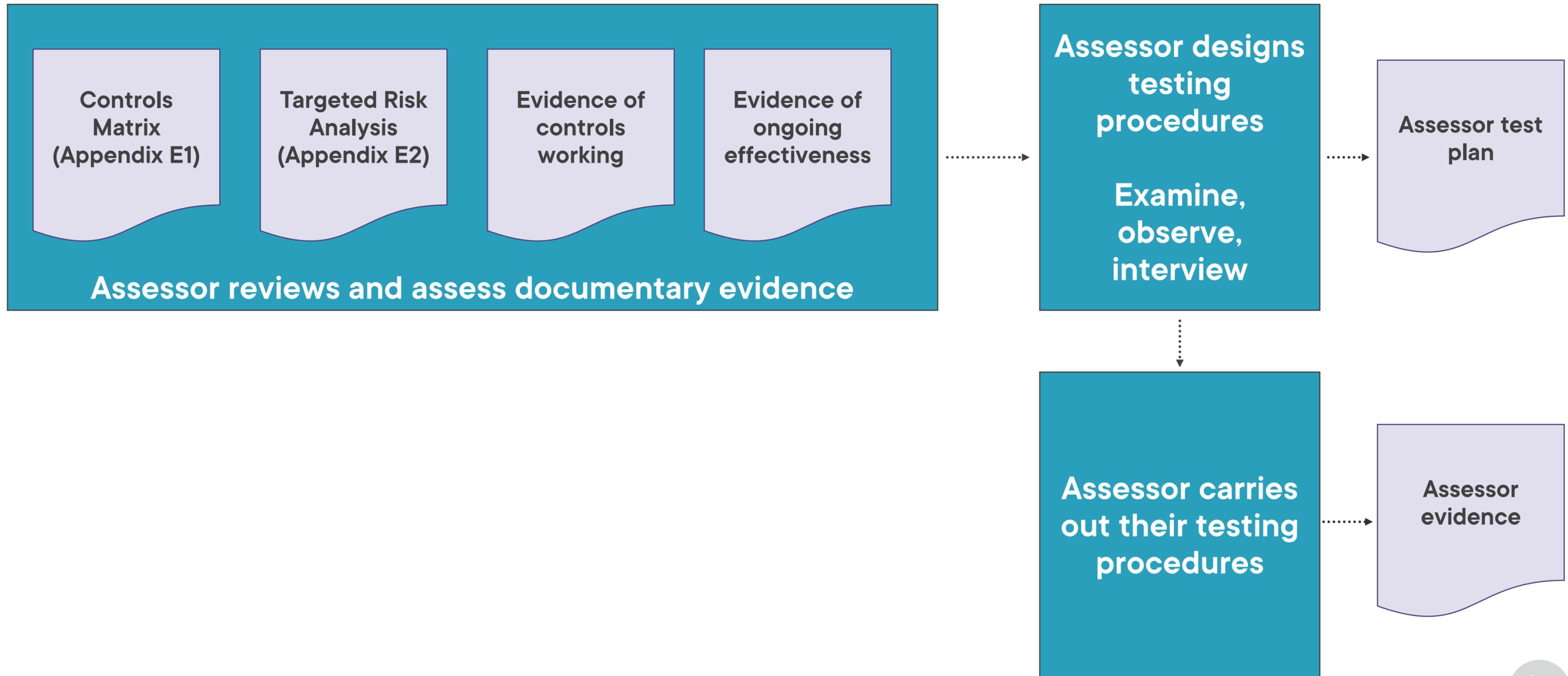
What Can You Use?



How to Do the Customized Approach



How It Will Be Assessed



Understanding Objectives and Mischief



Understanding Objectives

Prevent

[Asset/s] **cannot be** [verb] **by** [descriptor]

Do

[Artefact/s] **are** [verb/s]

Assure

[Asset/s] **are verified** [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

[Asset/s] **cannot be** [verb] **by** [descriptor]

Do

[Artefact/s] **are** [verb/s]

Assure

[Asset/s] **are verified** [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

Cleartext PAN **cannot be** read or intercepted from any transmissions over open, public networks.

Do

[Artefact/s] **are** [verb/s]

Assure

[Asset/s] **are verified** [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

[Asset/s] cannot be [verb] by [descriptor]

Do

[Artefact/s] are [verb/s]

Assure

[Asset/s] are verified [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

[Asset/s] cannot be [verb] by [descriptor]

Do

**Vulnerabilities and security weaknesses found while verifying system defenses
are mitigated.**

Assure

[Asset/s] are verified [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

[Asset/s] cannot be [verb] by [descriptor]

Do

[Artefact/s] are [verb/s]

Assure

[Asset/s] are verified [periodically] [by quality] [to a standard]



Understanding Objectives

Prevent

[Asset/s] cannot be [verb] by [descriptor]

Do

[Artefact/s] are [verb/s]

Assure

The security posture of all system components **is verified** periodically using automated tools designed to detect vulnerabilities operating inside the network.



Understanding Objectives

Prevent

[Asset/s] **cannot be** [verb] **by** [descriptor]

Do

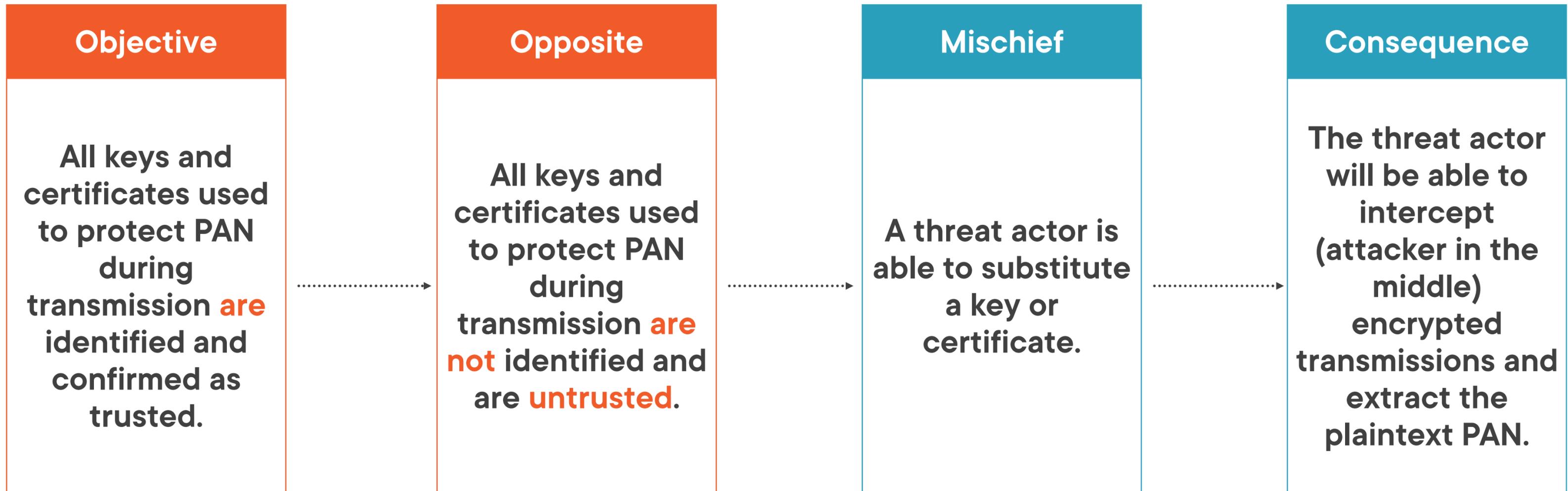
[Artefact/s] **are** [verb/s]

Assure

[Asset/s] **are verified** [periodically] [by quality] [to a standard]



Understanding Mischief



This is needed for the Targeted Risk Analysis



Two Standards in One

**A prescriptive
security standard**

**An objective-based
security standard**



PCI DSS Version 4.0 Resource Hub



The graphic features a dark teal background with a glowing blue network of nodes and lines. On the right, a globe is composed of hexagonal tiles, each containing a white icon representing various aspects of cybersecurity and technology, such as a padlock, a server rack, a smartphone, a cloud, a Wi-Fi symbol, a gear, a calendar, a laptop, a speech bubble, a document, a shopping cart, and a globe. The text 'PCI DSS v4.0 Resource Hub' is prominently displayed in white on the left side. In the bottom left corner, the PCI Security Standards Council logo is visible.

**PCI DSS v4.0
Resource Hub**

PCI Security Standards Council®

PCI Data Security Standard (PCI DSS) is a global standard that provides a baseline of technical and operational requirements designed to protect account data. The next evolution of the standard- PCI DSS v4.0- is now available.

This PCI DSS Resource Hub provides links to both standard documents and educational resources to help organizations become familiar with PCI DSS v4.0. Make sure to subscribe to the PCI Perspectives Blog to stay up to date on all news from PCI SSC.

<https://blog.pcisecuritystandards.org/pci-dss-v4-0-resource-hub>

