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SoCI VTS Business Case - Public

Roadmap to compliance under the *Security Legislation Amendment (Critical Infrastructure) Bill 2020*.

December 1, 2021

Document control

Template Control

Template Version	Last Updated	Owner
1.0	29/11/2021	Matt Lange

Table 1: Revision Record

Version	Date	Updated By	Changes Made
1.0	29/11/2021	Ed Shaw	First draft (1.0)

Table 2: Review and Distribution

Name	Role	Action	Sections
Nives Matosin	Manager Regulatory	Review of first draft (1.0)	
Ed Shaw	SoCI Program Director	Review of first draft (1.0)	
James Ditzell	Cybersecurity Program Director	Review of first draft (1.0)	
Stuart Davis	General Manager Operations & Maintenance	Review of first draft (1.0)	
Matt Lange	General Manager Technology Security & Risk	Review of first draft (1.0)	

Table 3: Approvals

Name	Role	Approval	Date Approved
Adam Watson	Chief Finance Officer		dd/mm/yyyy

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Contents

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1   Abbreviations

Abbreviated Key Term	Definition
CI	Critical Infrastructure
AESCSF	Australian Energy Sector Cyber Security Framework
SoCI	Security of Critical Infrastructure

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2 Executive summary

2.1 Program summary

The table below provides a summary of the program discussed within this business case. Additional and supporting information is provided throughout this document.

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Estimated cost	As the recommended adoption Option 2 the expected capital expenditure is $18.482 million.

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3   Context

This section provides key contextual information and drivers for the business case.

3.1   Background

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3.2   Investment need

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3.3   Purpose

The purpose of this program is to drive the following key objectives:

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4 Options

4.1 Overview

This section provides an overview of the options we have considered to address the identified business need in order to meet compliance with the SoCI Amendment Bill. Each option represents a combination of initiatives required to complete the program of work.

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4.2   Option #1 *Maintain current capability*
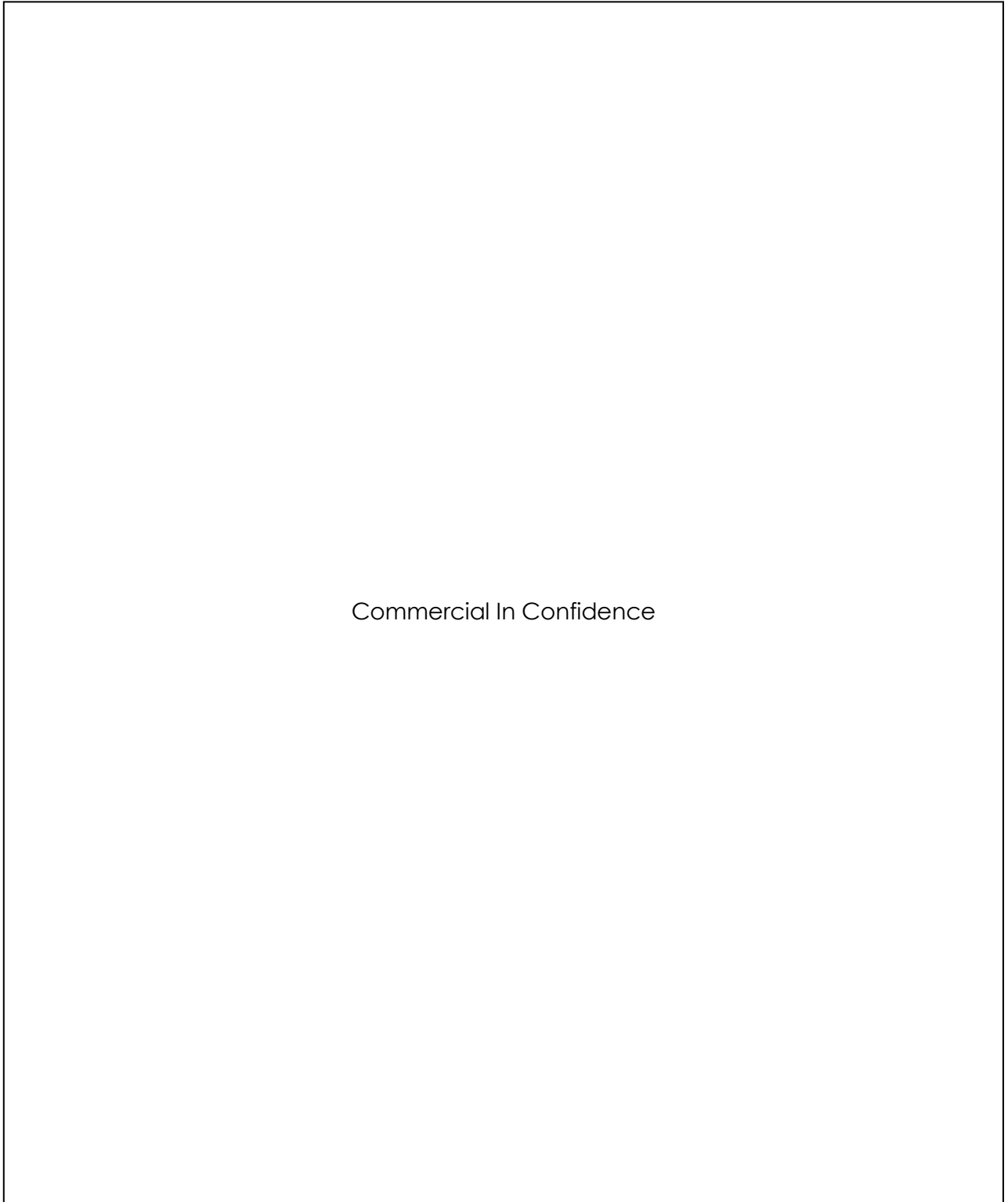
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Table 4.5 - Cost summary of option 2 (2022 – 2027)

Workstream	One Off CAPEX ($m)	Ongoing CAPEX ($m) - per annum	OPEX Ongoing ($m) - per annum
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Supply Chain Security			
Total	**17.033**	**0.424**	**1.313**

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5 Assessment and recommended option

5.1 Assessment of options

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5.2   Recommended option

Option 2 is the recommended option for APA to meet its SoCI Amendment Bill obligations in a prudent and efficient manner.

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6 Assumptions, Constraints & Dependencies

This section provides assumptions, constrains and dependencies which are associated with the delivery of this program.

6.1 Assumptions

The assumptions for this program are as follows:

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6.2 Constraints

The Constraints for this program are as follows:
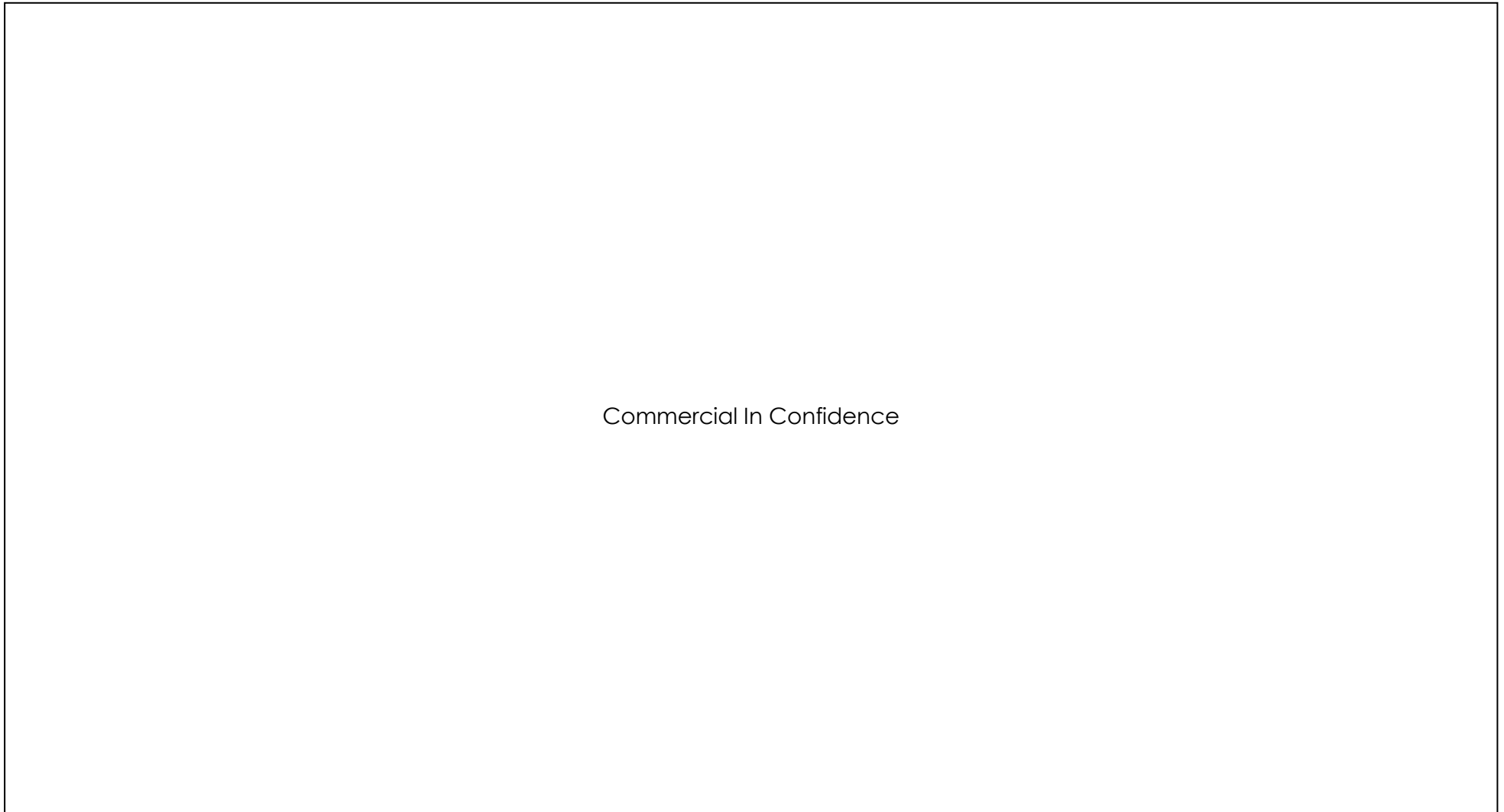
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6.3 Dependencies

The dependencies for this program are as follows:

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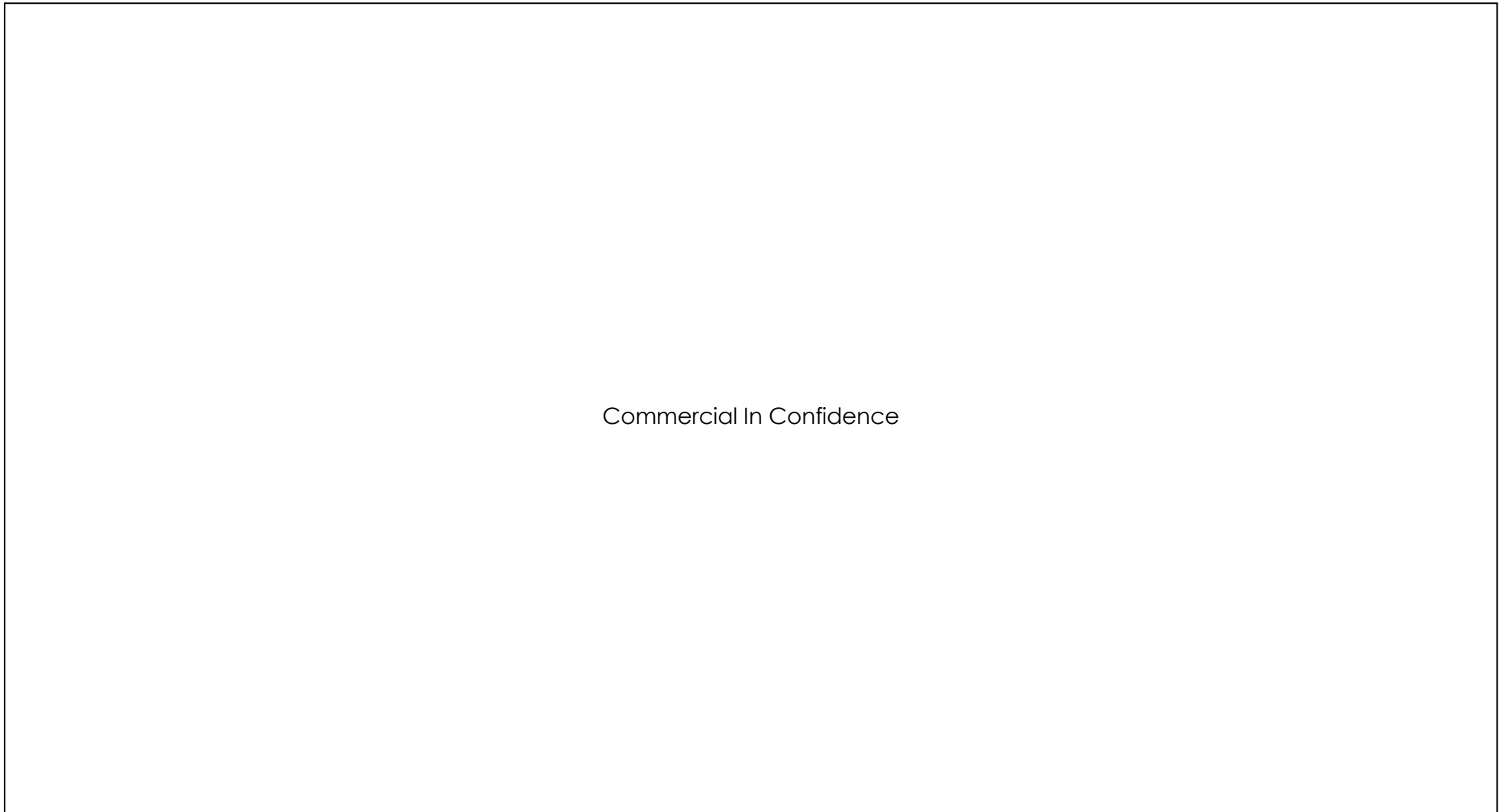
7   Appendices

7.1   Appendix A - Domain and Obligations Analysis

Figure 7.1 – Domain Obligations Analysis

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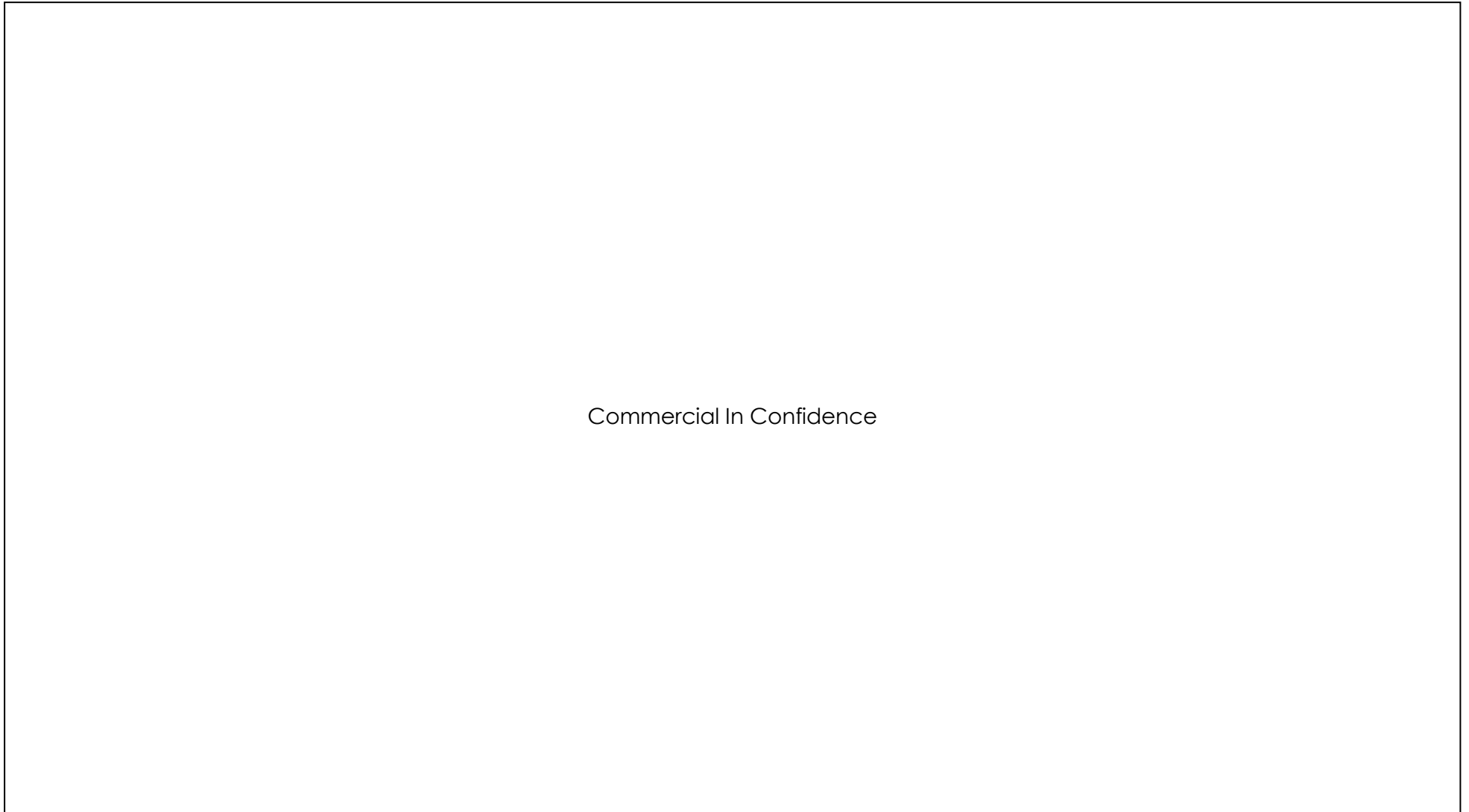
Figure 7.2 – Domain and Rules Analysis

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7.2   Appendix B - APA Current State Assessment

Figure 7.3 – Domain Current State Assessment

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7.3 Appendix C - Option 2 costs in regulatory period

Table 7.1 – Option 2 costs across regulatory period

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7.4   Appendix D - Option 3 costs in regulatory period

Table 7.2 – Option 3 costs across regulatory period

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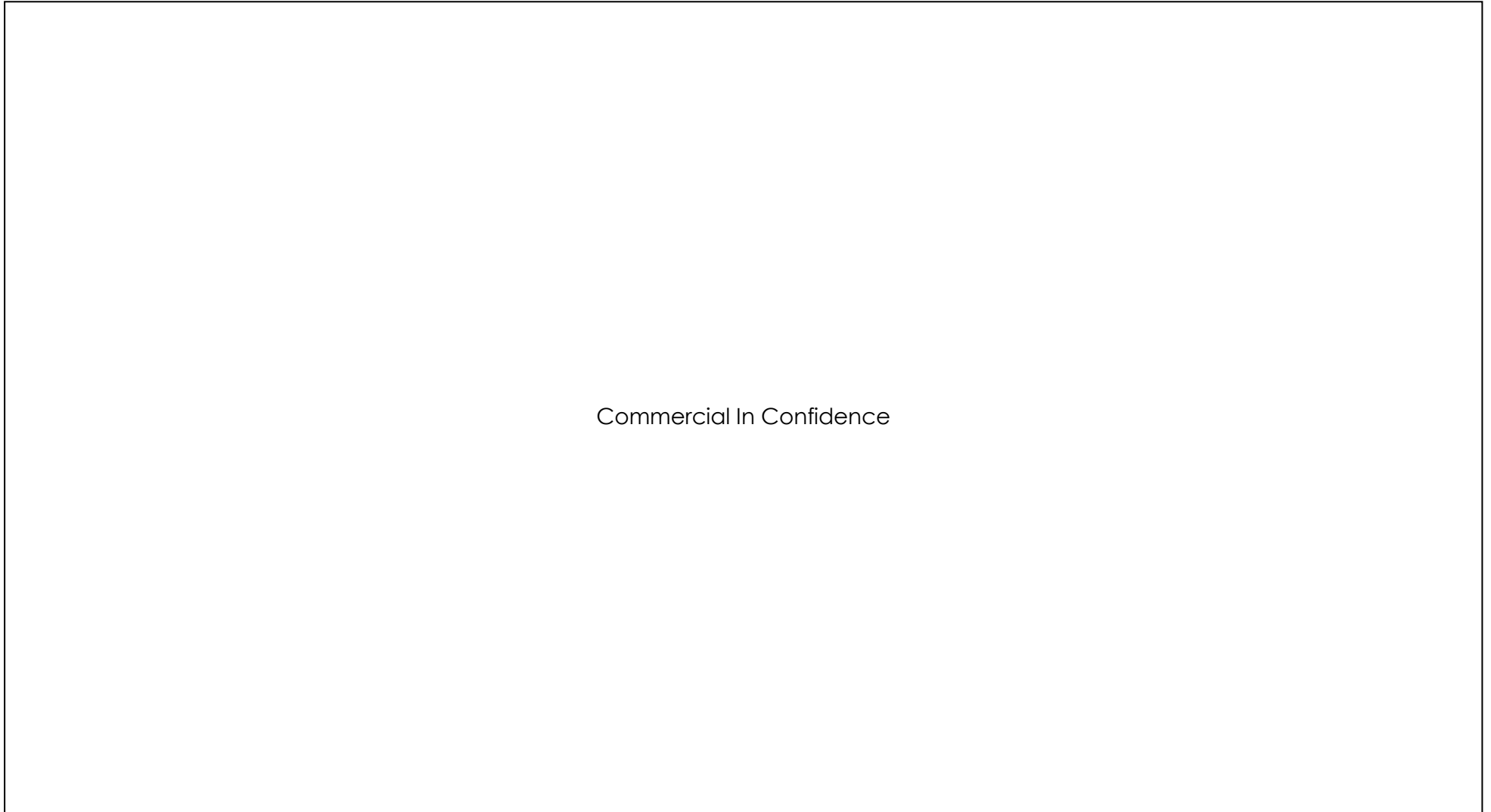## 7.5   Appendix E - Physical security control

Figure 7.4 – Physical Security Controls

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7.6 Appendix F - Physical security controls

Figure 7.5 – Proportionally applied physical security controls

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7.7 Appendix G Enterprise Risk Matrix - Likelihood Table and 5x5 Risk Matrix

Figure 7.6 – Likelihood Table

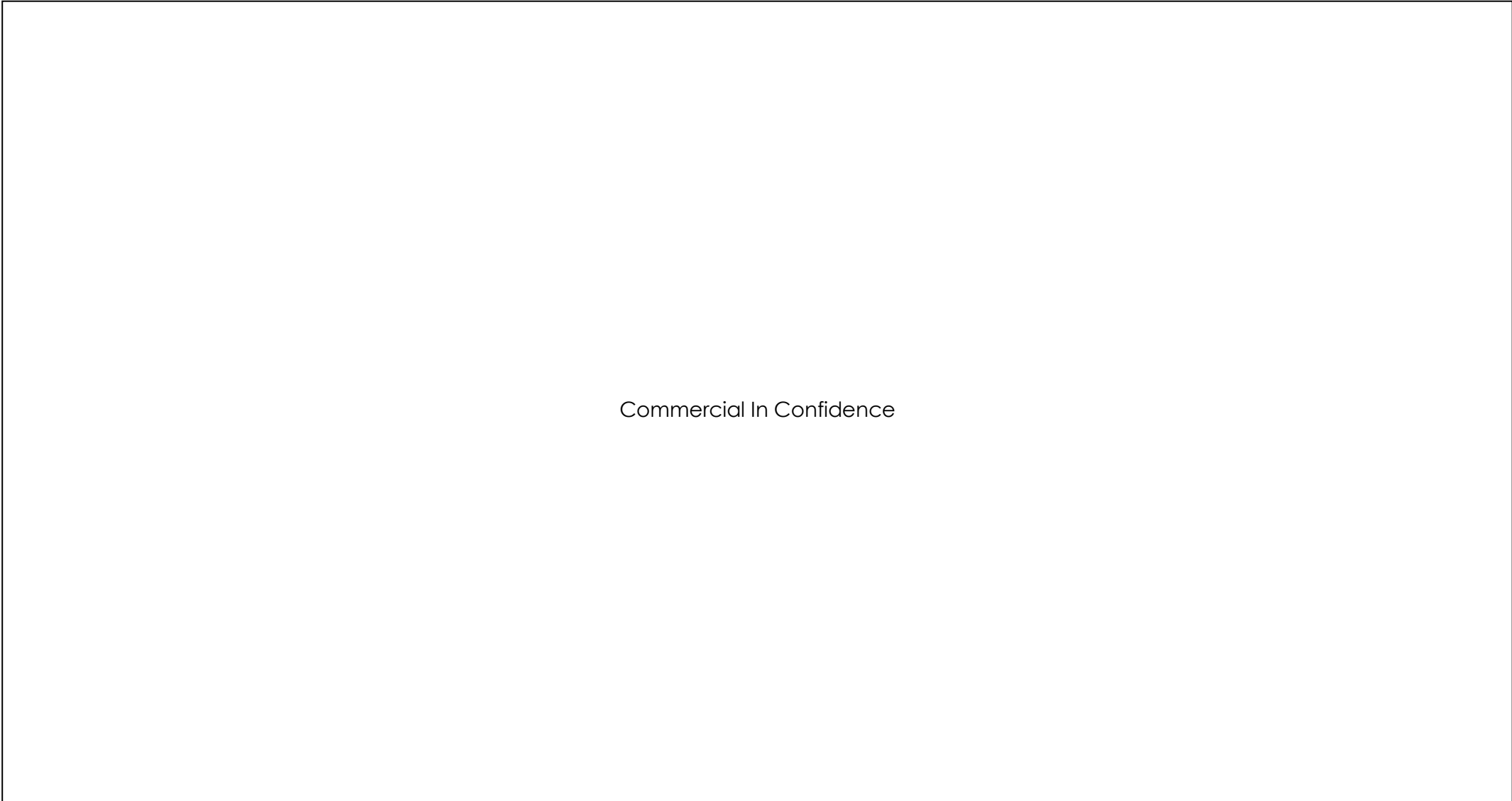| Level	Descriptor	Description*	Frequency*
5	Frequent	Expected to occur on a regular basis and many times	Many times in 1yr
4	Occasional	May occur occasionally or in many circumstances	Every 2yrs
3	Unlikely	Unlikely to occur but possible when certain circumstances prevail	Every 5yrs
2	Remote	Not anticipated but may occur if certain abnormal circumstances prevail	Every 20yrs
1	Rare	Conceivable, but has not been known to arise previously	Every 50yrs

Figure 7.7 – 5x5 Risk Matrix

Likelihood	Impact (consequences)				
	1. Minimal	2. Minor	3. Significant	4. Major	5. Catastrophic
Frequent	Low	Moderate	High	Extreme	Extreme
Occasional	Low	Low	Moderate	High	Extreme
Unlikely	Negligible	Low	Moderate	High	High
Remote	Negligible	Negligible	Low	Moderate	High
Rare	Negligible	Negligible	Negligible	Low	Moderate

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7.8   Appendix H - Energy sector cyber security events and trends

Figure 7.8 – Energy sector cyber security events and trends

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