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ahead

apa

# SoCI Murraylink Business Case

December 2, 2022

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# Document control

## Template Control

Template Version	Last Updated	Owner
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Table 1: Revision Record

Version	Date	Updated By	Changes Made
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Table 2: Review and Distribution

Name	Role	Action	Sections
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Table 3: Approvals

Name	Role	Approval	Date Approved
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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



## 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 of recommended option	The estimated cost of the recommended option over the regulatory period is \$2.64 million.
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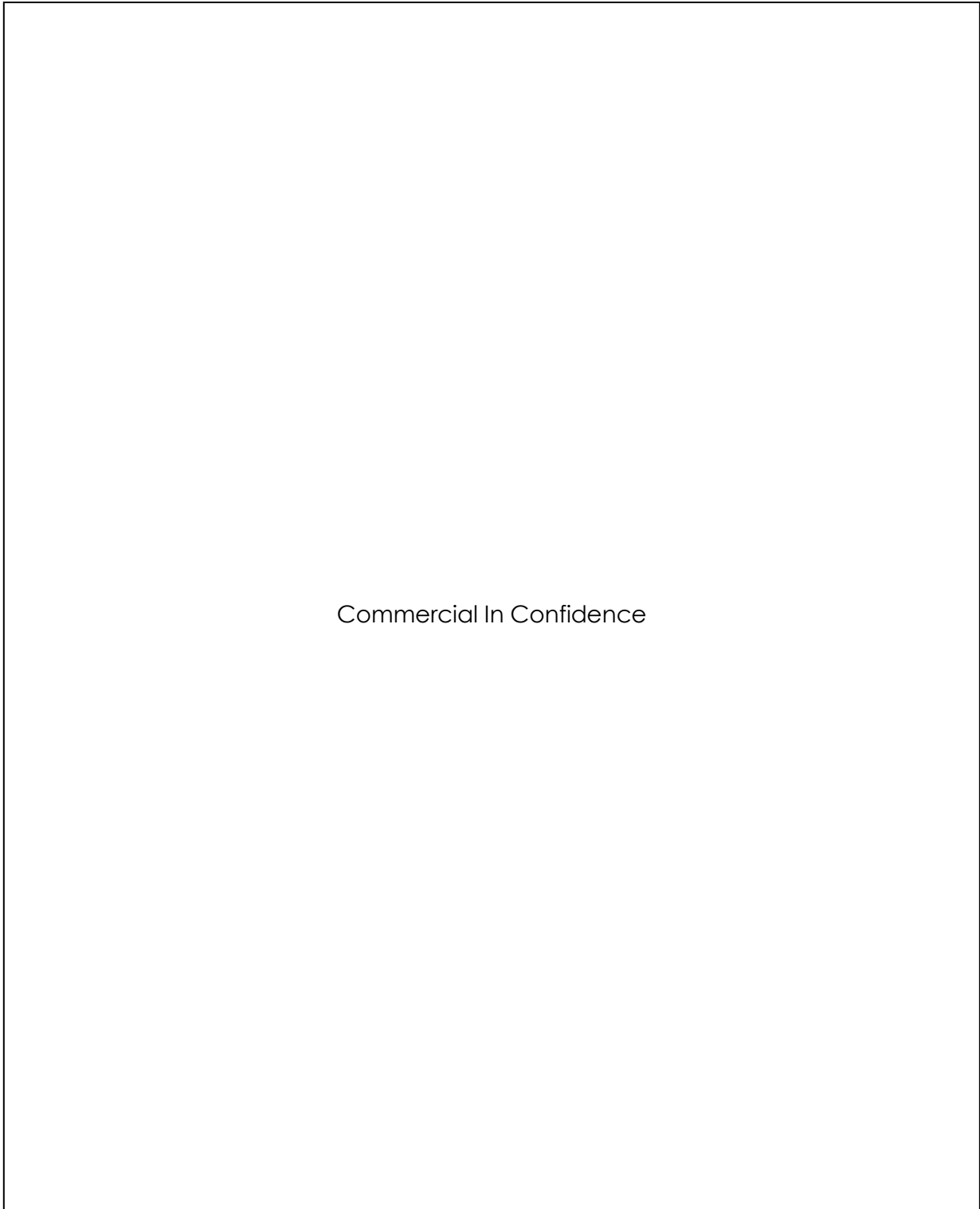




### 3 Context

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

#### 3.1 Background



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### **3.2 Purpose**

The purpose of APA's program is to meet the following key objectives:

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## **4 Investment need**

### **4.1 Requirements of the SoCI Act**

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#### **4.2 Development of SoCI program for APA**

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## 5 Options

### 5.1 Overview of options

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 Act. Each option represents a combination of initiatives required to complete the program of work.





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## 5.2 Overview of cost models

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**5.3 Option #1 *Maintain current capability***

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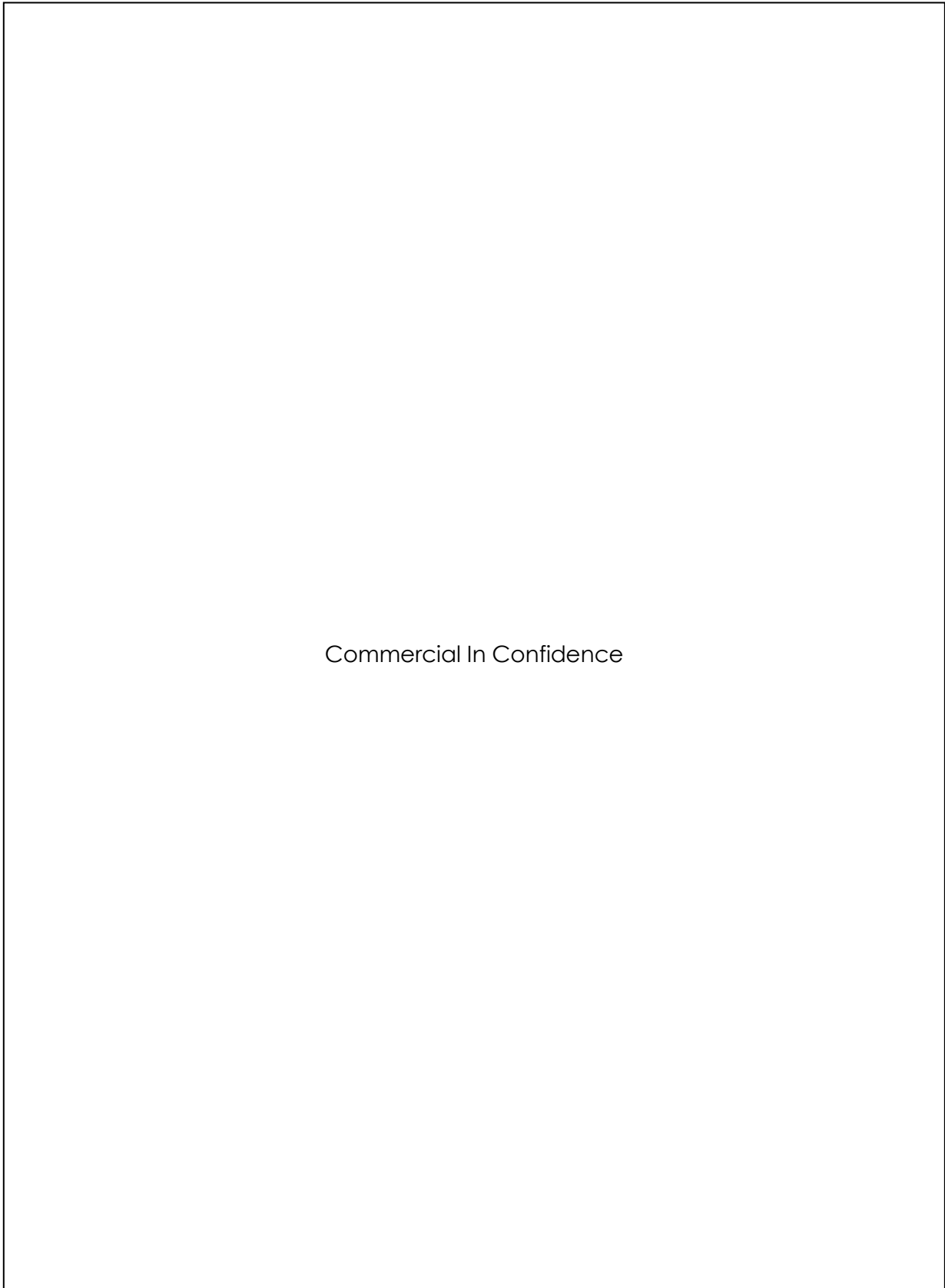
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**5.4 Option #2 Risk-based compliance**



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Table 5.5 - Cost of option 2 (2024 – 2028, real FY23 \$m)

Expenditure	FY24 (\$m)	FY25 (\$m)	FY26 (\$m)	FY27 (\$m)	FY28 (\$m)	Total (\$m)
Capital expenditure						
	-	-	1.08	1.08	-	2.17
Operating expenditure						
	0.13	0.09	0.09	0.08	0.08	0.48
<b>Total opex and capex</b>	<b>0.13</b>	<b>0.09</b>	<b>1.17</b>	<b>1.17</b>	<b>0.08</b>	<b>2.64</b>





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**5.5 Option #3 Risk appetite and compliance**

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## **6 Assessment and recommended option**

### **6.1 Assessment of options**

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## 6.2 Recommended option

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



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## 7 Assumptions, Constraints & Dependencies

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

### 7.1 Assumptions

The assumptions for the initial program were as follows:

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### 7.2 Constraints

The Constraints for this program are as follows:

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### 7.3 Dependencies

The dependencies for this program are as follows:

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## 8 Appendices

### 8.1 Appendix A - SoCI obligations and rules analysis

Figure 8.1 – Domain Obligations Analysis

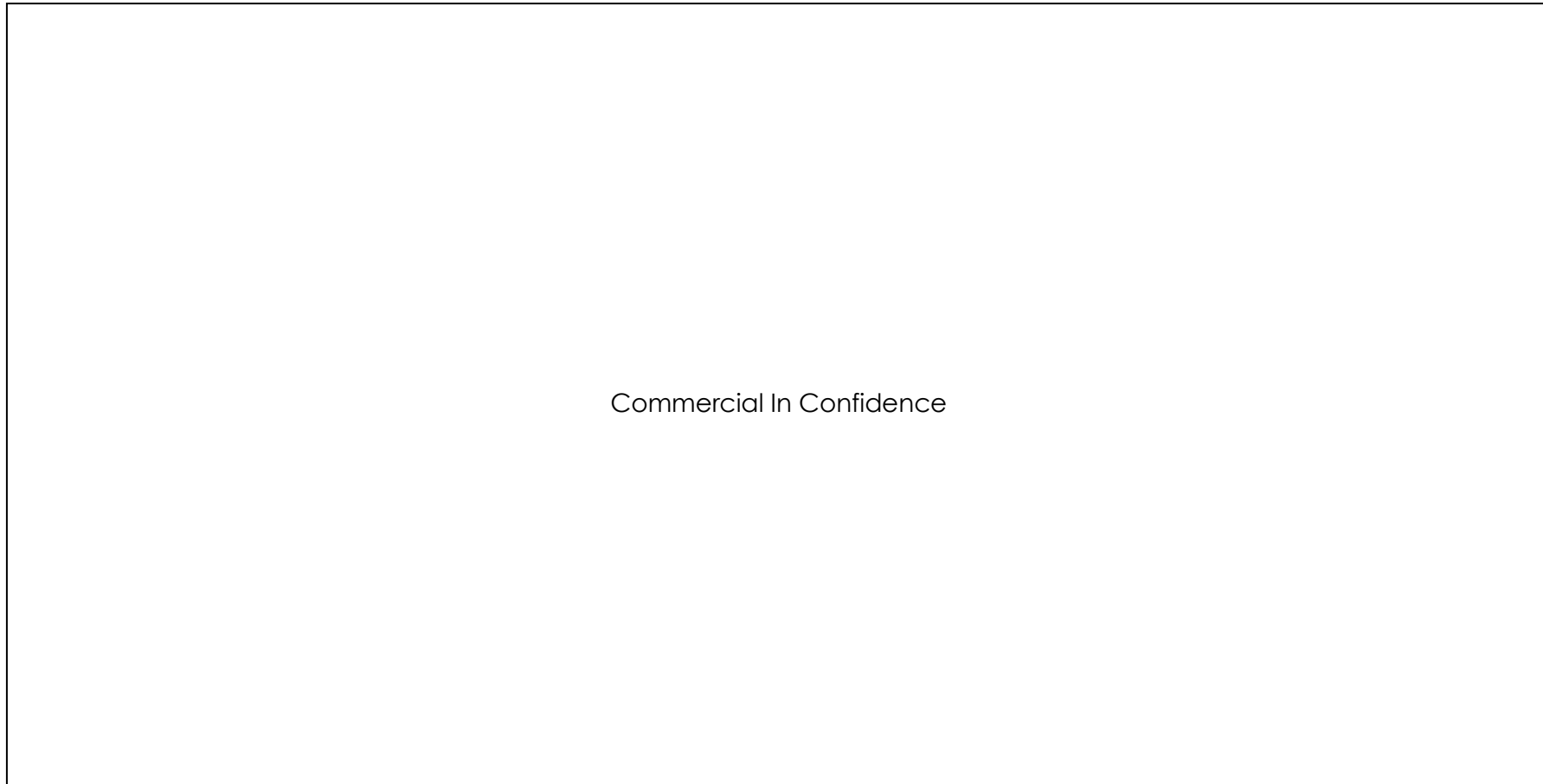
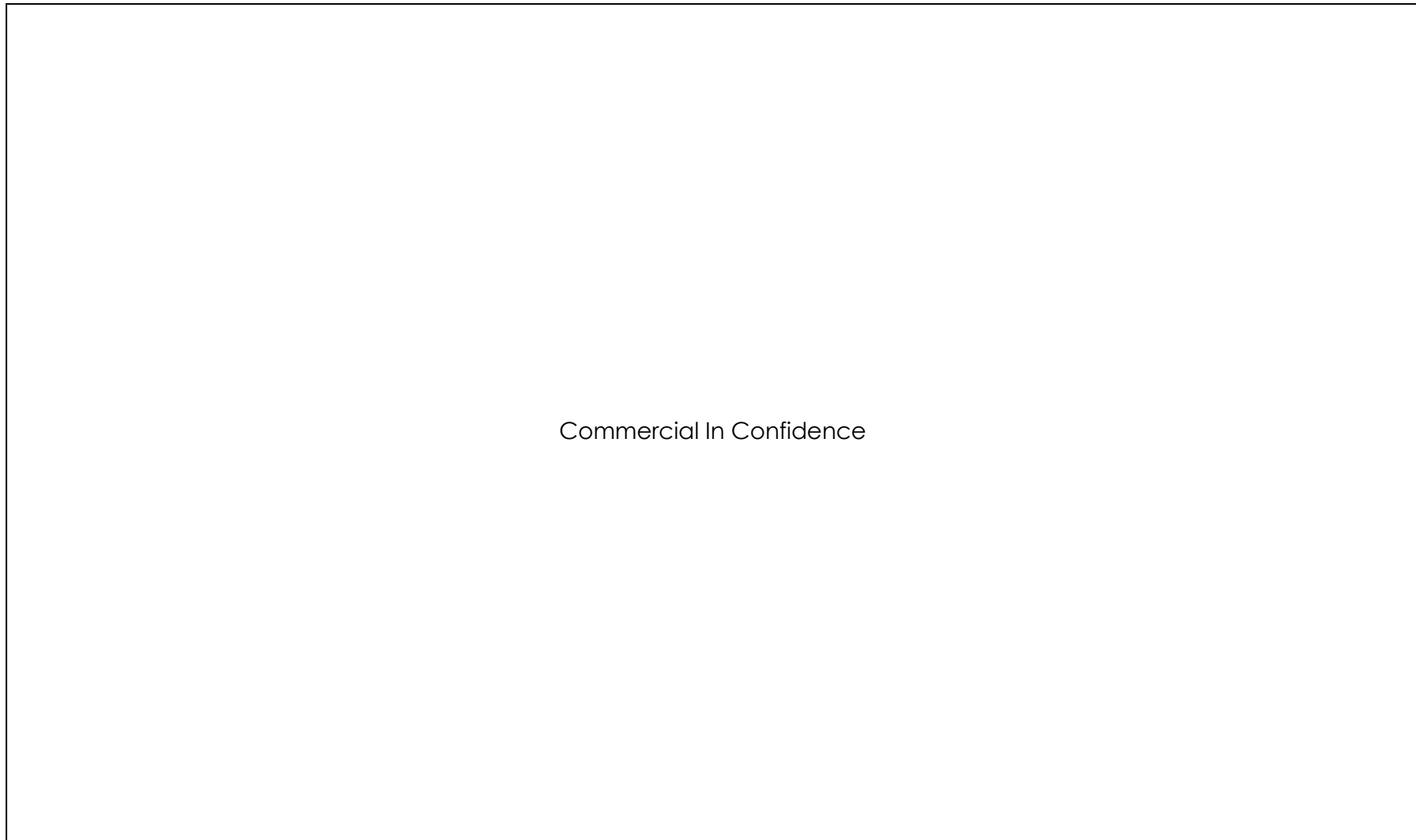






Figure 8.2 – Domain and Rules Analysis

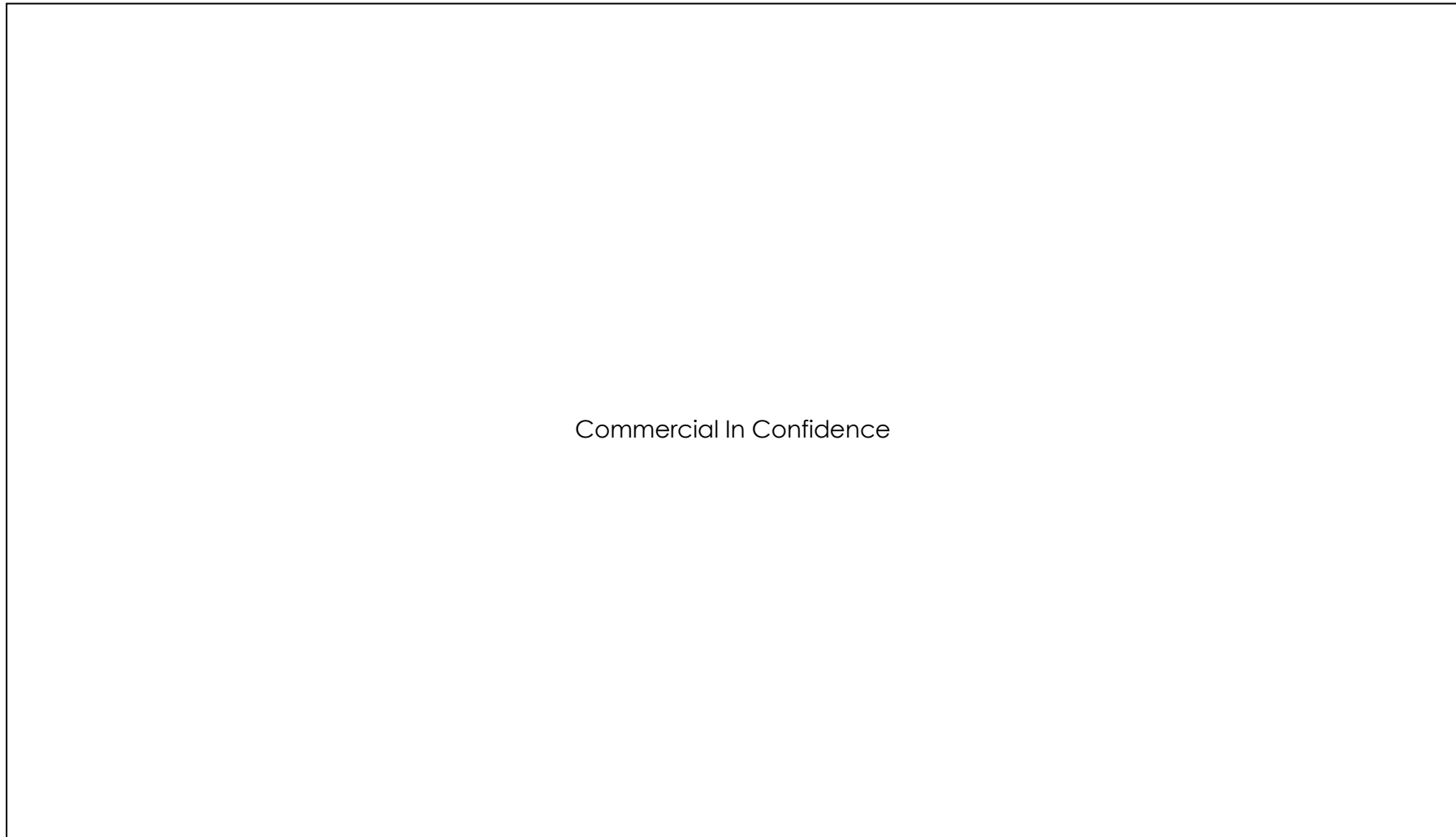


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## 8.2 Appendix B - APA current state assessment

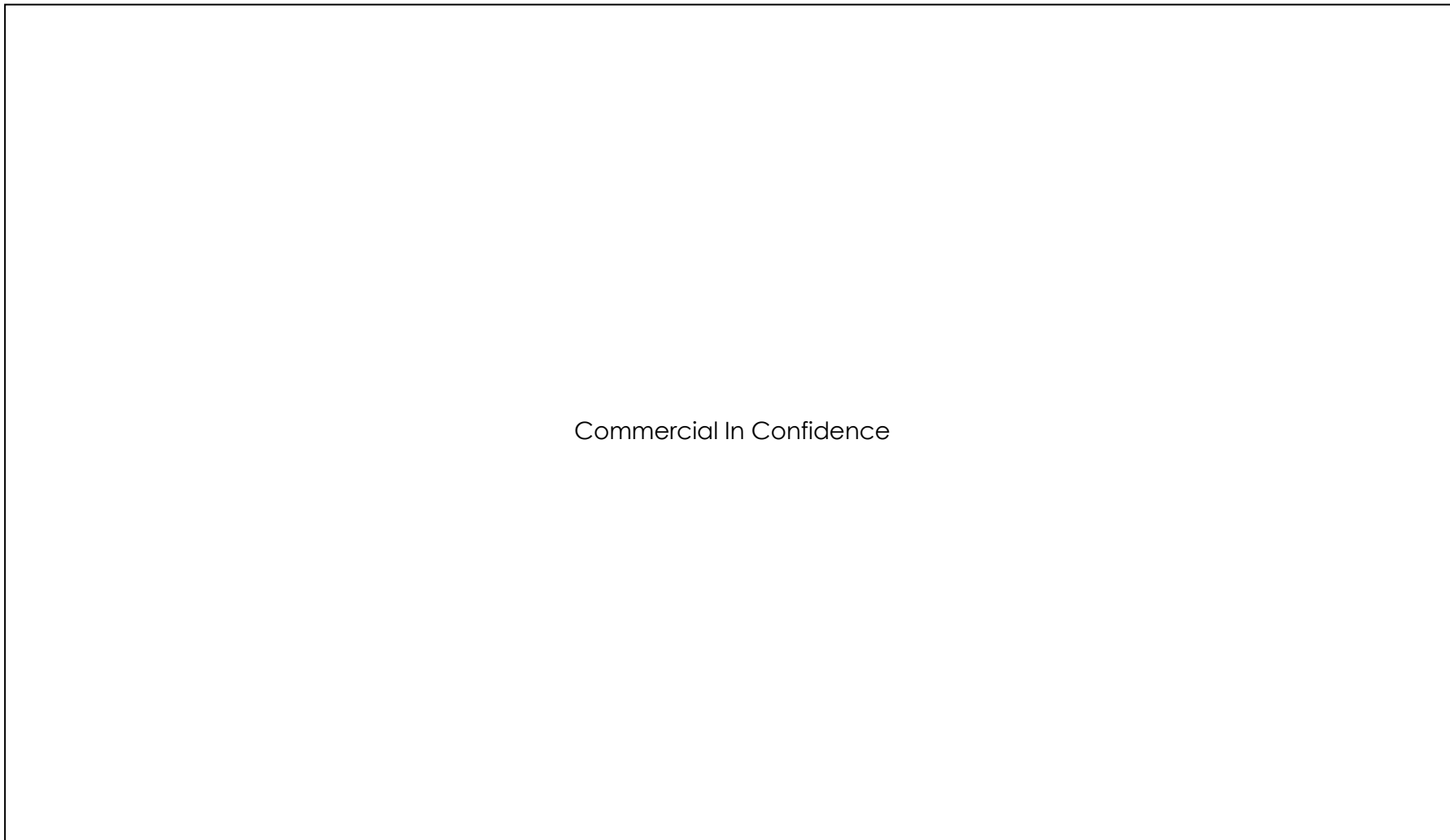
Figure 8.3 – Domain Current State Assessment



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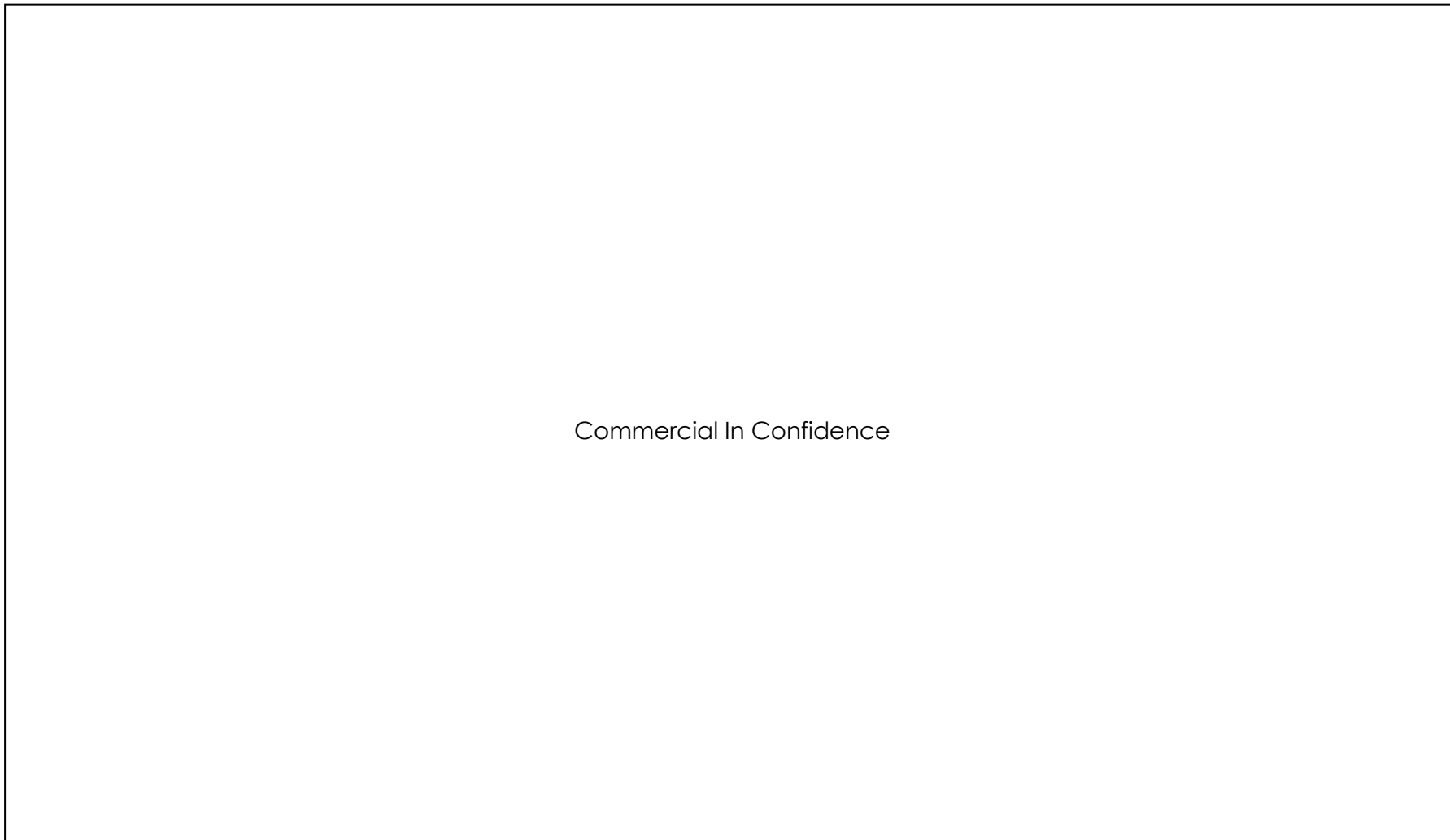
### 8.3 Appendix C - Level 2 risk assessment



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## 8.4 Appendix D - Level 3 risk assessment



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**8.5 Appendix E - APA Enterprise Risk Matrix: 5 x 5 Risk Matrix, Likelihood Table and Impact Table**

**Figure 8.4 – 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 8.5 – 5x5 Risk Matrix**

		Impact (consequences)				
		1. Minimal	2. Minor	3. Significant	4. Major	5. Catastrophic
Likelihood	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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## 8.6 Appendix F - Standards applying to physical security controls

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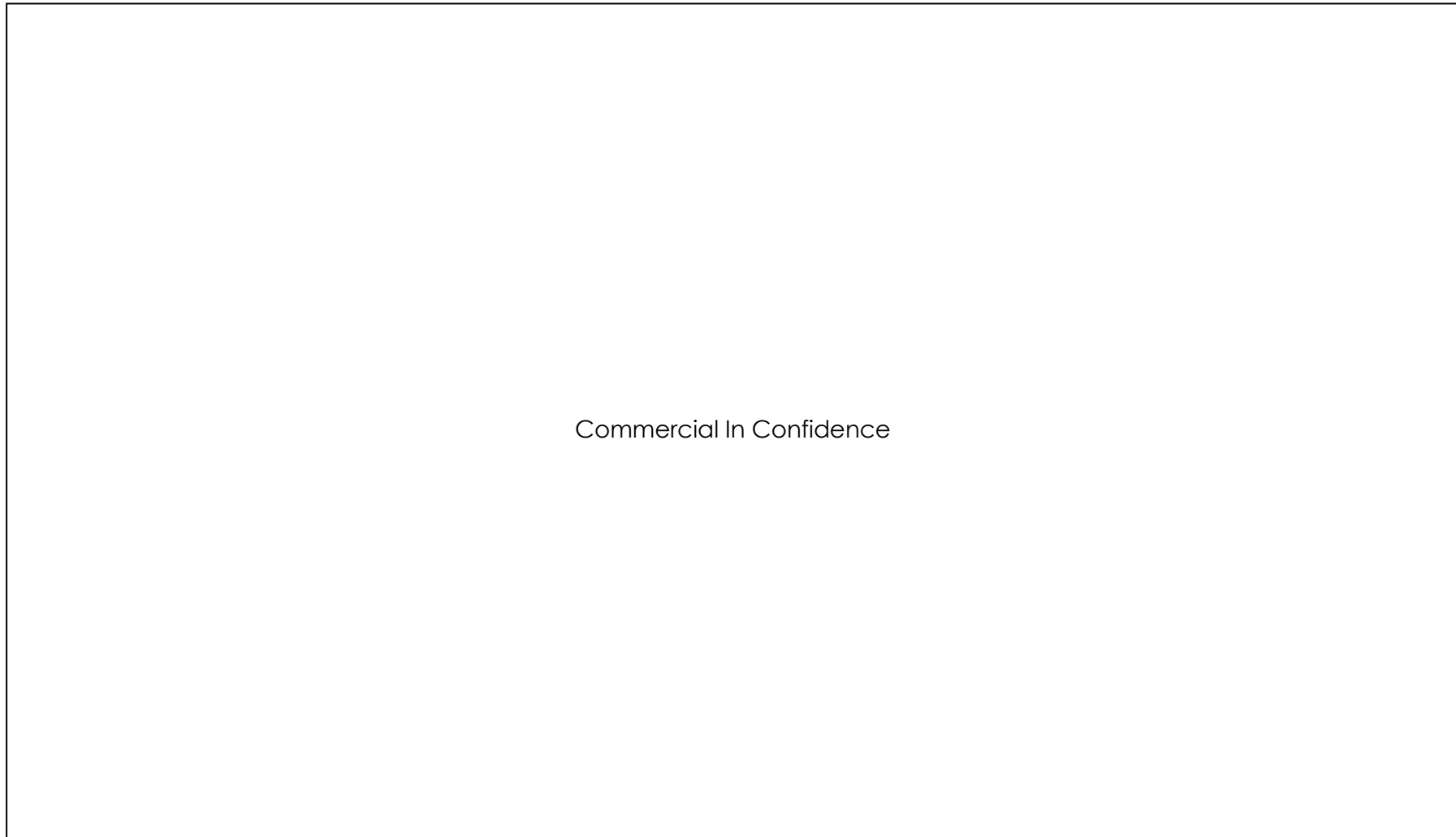
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## 8.7 Appendix G - Physical security controls

Figure 8.7 – Physical Security Controls





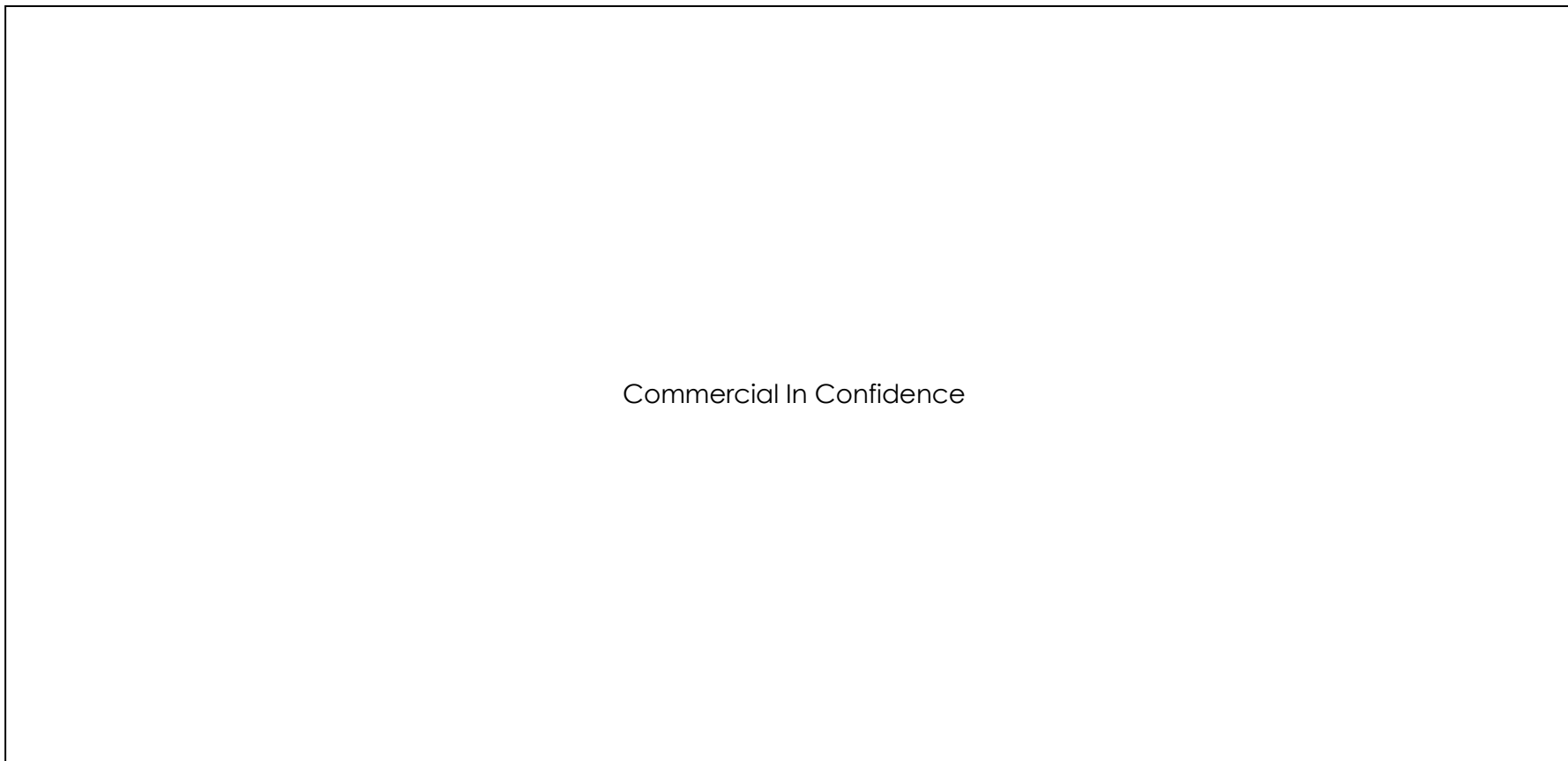
## 8.8 Appendix H - Fencing quotes

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## 8.9 Appendix I - Energy sector cyber security events and trends

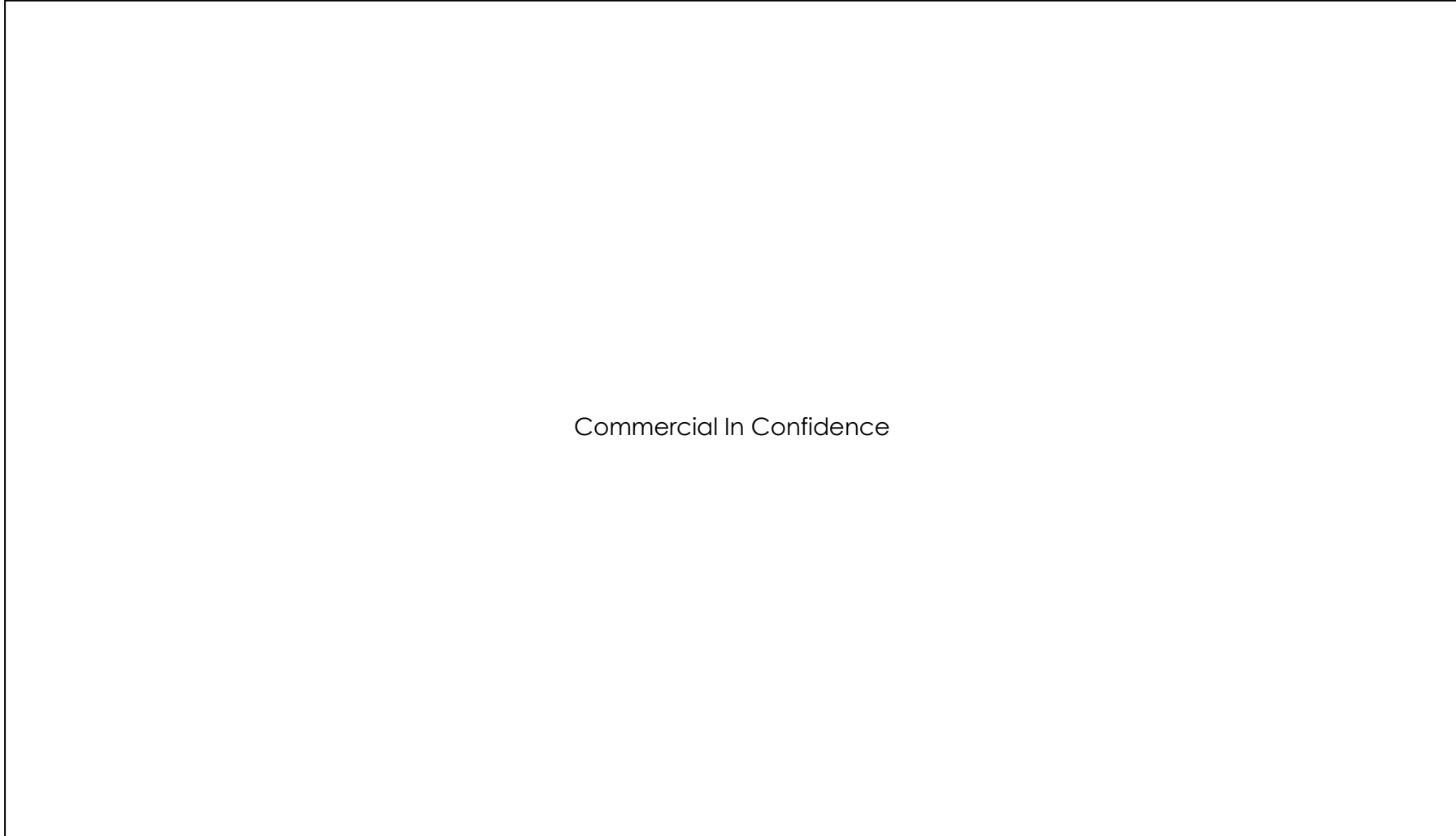
Figure 8.8 – Energy sector cyber security events and trends





## 8.10 Appendix J - Proportionally applied physical security controls

Figure 8.9 – Proportionally applied physical security controls





**8.11 Appendix K - Option 2 costs in regulatory period**

Table 8.1 – Option 2 costs across regulatory period real \$m

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