



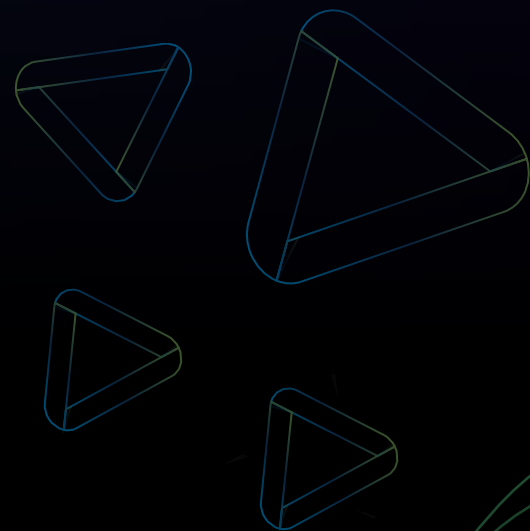
TECHNICAL RISK ASSESSMENT Professional

EXAMINATION **OUTLINE**



**Technical Risk Assessment
Professional (TRAP)**

An IAISP Certification



Technical Risk Assessment Professional (TRAP) Course Outline



Introduction

The Technical Risk Assessment Professional (TRAP) Certification empowers professionals with comprehensive expertise in the domain of technical risk management. This certification delves into the foundational and advanced aspects of risk assessment, equipping candidates with the knowledge to identify, analyse, mitigate, and communicate technical risks effectively.

Domains and Weightages



The certification is structured around five pivotal domains, each with a specific weightage that reflects its importance in the overall risk management landscape. Here are the domains and their respective weightages:



1 - Risk Management Fundamentals - 20%



2 - Threat Identification and Analysis - 25%



3 - Vulnerability Assessment - 25%



4 - Risk Mitigation Strategies - 15%



5 - Risk Assessment Case Studies - 15%



Detailed Examination Outline

The TRAP certification examination encompasses detailed topics within each domain:



1. Risk Management Fundamentals

- Understand the foundational concepts of risk, including threats, vulnerabilities, and their potential impacts.
- Explore various risk assessment methodologies and frameworks applied in technical scenarios.
- Study the risk management lifecycle from identification to mitigation and review.



2. Threat Identification and Analysis

- Gain insights into different threat types such as cyber, physical, and operational.
- Learn techniques to identify, classify, and analyse potential threats effectively.
- Assess the impact of various threats on organizational assets and operations.



3. Vulnerability Assessment

- Identify and analyse vulnerabilities present in technical systems and processes.
- Acquire knowledge of common vulnerability assessment tools and techniques.
- Utilize vulnerability databases and resources for informed risk assessments.



4. Risk Mitigation Strategies

- Develop and implement risk mitigation strategies and controls tailored to specific threats.
- Evaluate the effectiveness of mitigation measures to ensure continuous improvement.
- Prepare incident response plans to manage and mitigate risks promptly.



5. Risk Assessment Case Studies

- Examine real-world case studies to extract lessons learned and best practices.
- Apply risk assessment methodologies to practical scenarios to hone hands-on skills.
- Communicate assessment findings and recommendations clearly and effectively to stakeholders.

Table Summary

Domain	Weightage	Learning Lines
Risk Management Fundamentals	20%	Introduction to risk assessment. Basic concepts and risk management lifecycle.
Threat Identification and Analysis	25%	Types of threats. Threat modelling and impact assessment.
Vulnerability Assessment	25%	Techniques for identifying vulnerabilities. Prioritizing vulnerabilities.
Risk Mitigation Strategies	15%	Strategies for risk mitigation. Incident response planning.
Risk Assessment Case Studies	15%	Analysing case studies. Applying methodologies to practical scenarios.

Conclusion

The TRAP certification is designed to create leaders in the field of technical risk assessment. By covering the extensive topics within each domain, candidates are well-prepared to tackle challenges and protect organizations against a myriad of technical risks.