IRAP Training Course Contents

The IRAP Training Course includes the ISM and IRAP fundamentals courses, and for participants applying to become IRAP Assessors, an exam on the fifth day of training.

ISM Fundamentals

The Australian government Information Security Manual (ISM) outlines a cyber security framework that organisations can apply, using a risk management framework, to protect their information and communication technology (ICT) systems from cyber threats. It complements the Protective Security Policy Framework (PSPF) produced by the Australian government Attorney-General's department. The ISM and the PSPF provide guidelines and obligations for Commonwealth agencies in implementing appropriate controls in an ICT environment.

In addition, Commonwealth agencies should consider relevant guidance published specifically by or for them. The ISM is published by the Australian Cyber Security Centre (ACSC), the Australian government's lead organisation on national cyber security and a part of the Australian Signals Directorate (ASD). The Digital Transformation Agency (DTA) worked with other government bodies and industry to develop the Cloud Assessment and Authorisation Publication.

The Essential Eight publication provides a mapping between the *Essential* Eight Maturity Model and the security controls within the Information Security Manual (ISM). This mapping represents the minimum-security controls organisations must implement to meet the intent of the Essential Eight.

The ISM Fundamentals training provides participants with an introduction to the ISM. Participants will learn about the:

- Australian government Information Security Manual (ISM)

    o Explore the ISM and its sections, guidelines, and security controls and how to interpret the requirements of the ISM
    o How to apply the ISM Cyber Security Principles
    o How to use the ISM for non-Australian Government organisations

- Protective Security Policy Framework (PSPF)

    o How the ISM is used to meet the requirements of the PSPF

- Essential Eight Publication

- Risk Management Framework

    o How to apply risk-based approach to cyber security

- Threat Modelling

- Communication and emanation security threats

- Cryptography

- Sanitisation and Destruction

- Authentication

- Assessing security vulnerabilities and applying patches

- Architectural defences

- Cloud assessment and authorisation

- Choosing a product

- Other relevant documentation and guides

Who should attend this course?

- Chief Information Security Officers (CISOs)

- Chief Information Officers (CIOs)

- Cyber security professionals • Information Technology managers.

- IT Security Advisors of Australian Government Agencies

- IT Security Advisors of organisations supply cyber security products and services to Australian Government Agencies

- Entity Assessors for Australian Government Agencies

IRAP Fundamentals

Information Security Registered Assessors Program (IRAP) is an Australian Signals Directorate (ASD) initiative to provide high quality Information and Communications
Technology (ICT) security assessment services to Australian Government and Industry.

The ACSC released an updated IRAP policy and IRAP Assessor Training in early December 2020 to strengthen the cyber security assessment framework following an independent review. The enhanced program will assist in developing the capabilities of industry partners, increase the number of cyber security assessors and bolster national cyber security efforts. The training was co-designed by the ACSC with government and industry representatives through a series of consultative forums to improve the culture and governance of the program.

This course provides participants with an introduction to IRAP. Participants will learn:

- About the Information Security Registered Assessors Program
    - The requirements for membership to the program
    - Roles and Functions

- IRAP policy and procedures
- Applying a risk-based approach to Cyber Security
- How to conduct an IRAP Assessment
    - o   IRAP Assessment Process Steps
    - o   Plan and Prepare
    - o   Define the Scope
- Assess the Security Controls
- How to write and produce an IRAP Assessment Report

Who should attend this course?

- IT Security Advisors of Australian Government Agencies
- IT Security Advisors of organisations supply cyber security products and services to Australian Government Agencies
- Entity Assessors for Australian Government Agencies
- IRAP Applicants
- Cyber security professionals

Prerequisites

- ISM Fundamentals

Examination

Participants who wish to apply to become IRAP Assessors will sit an exam on the fifth day of training. The exam covers both ISM and IRAP Fundamentals. It is a multiple-choice, open-book exam. The duration of the exam is 120 minutes, and the minimum passing grade is 80%. If a participant fails to achieve this grade, they can sit the exam a second time no sooner than 4 months from the date of the original training. The second exam is at no extra cost. Exam results are available within 30 days of completion. The results are valid for 12 months.

Participants who successfully complete the ISM & IRAP Fundamentals course and pass the exam may apply to ASD to become an ASD Endorsed IRAP Assessor subject to meeting the membership requirements.