



International Industry Consultants Pty Ltd

Consulting Engineers



A member of sme-GATEWAY Ltd



- *Electronic Warfare*
- *Electro-optics*
- *Communications*
- *Defence Procurement*
- *Tender preparation*
- *Logistic Support*
- *Project Management*
- *Systems Engineering*
- *Electronic Security*
- *Industry Programs*
- *Manuals & Documentation*
- *Hazard & Risk Assessment*

International Industry Consultants Pty Ltd is a Canberra company specialising in the provision of technical and contractual consulting services to the Department of Defence and to local and overseas defence industry.

In addition the company is responsible for the design, manufacture and marketing of Time Lock Cash Containers for Australia Post.

The company has extensive networking associations with a number of companies both in Australia and in overseas countries including the United States of America and Israel.

The company is also associated with and represents overseas companies in the field of electro-optics and electronic warfare and in other areas of defence technology including:

- GMD Inc. Washington DC, marketing of Cepheid bio-analytical systems for military purposes into Australia and New Zealand.
- Electro Optical Industries, Inc., for sales of electro-optical and infra-red instruments and laboratory equipment into Australia and New Zealand.



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Capability Overview

Electro-Optics

The company has a high level of expertise in the area of Electro-optics technology and has been a contractor to the Department of Defence for the specification and evaluation of EO systems.

Tools such as FILR 92, NVtherm and ACQUIRE are used to model the performance of Infra Red imaging systems in specified environments against typical targets. In addition, the company has developed tools based on MathCad for modelling the performance of EO systems.

The company has also worked in the field of solid state lasers used in range finding equipment.

Electronic Warfare

IIC has broad experience in the provision of support to electronic warfare programs for both local and overseas industry, as well as in the Australian Department of Defence. IIC has significant expertise in the following EW areas:

- Project management
- Installation design
- Preparation of system engineering documentation
- Preparation of test and trials documentation
- Preparation of system development and testing review documentation

Project Management

The company has had broad experience in the management of defence projects and has available staff who have been trained in the application of PRINCE2 methodology.

IIC is experienced in the development of Work Breakdown Structures to DEF(AUST)5664 and in the implementation of project performance measurement using earned value techniques in accordance with AS4817-2003.

IIC has available a number of tools for the monitoring and control of schedules and cost.

System Engineering

IIC is experienced in the development of system review documentation covering all phases of a project from the requirements phase through the design phases to test and readiness. IIC is able to develop documentation in accordance with the standards laid down in EIA 632, and the ADF Capability Definition Document Guide.

IIC has prepared project technical review documentation and assisted in the reviews for a number of projects including System Requirements Reviews, System Functional Reviews, Preliminary Design Reviews, Critical Design Reviews and Test and Readiness Reviews.

IIC also has experience in the preparation of procedures for Test and Evaluation covering Factory Acceptance, Set to Work and field acceptance trials.

Logistics

IIC has skills in a range of logistics disciplines, and is able to undertake Reliability, Maintainability and Availability analyses in accordance with MIL HBK 217F and to carry out Failure Modes and Criticality Analysis (FMECA) in accordance with MIL STD 1629A.

IIC is also able to prepare suites of project Logistics documentation such as:

- Maintenance plans
- Level of Repair Analysis (LRA)
- Life cycle Costing (LCC)
- Logistic Support Analysis (LSA)
- Integrated Logistics Support (ILS) plans

Manual Preparation

IIC is experienced in the preparation of technical manuals (Systems, Operator and O & D level Maintenance Manuals) to the DEF(AUST) 5629B standard in accord with both the Army and the RAN requirements.

Hazard Risk Analysis and Safety Cases

IIC has prepared a number of Hazard Risk Analysis and Safety Case reports for both Defence and industry clients on communications projects. These have been prepared using guidance from documents such as IEC 60950 and service documents such as TRAMM-L.

Tender Development

IIC has successfully assisted local and overseas companies in the interpretation of defence tenders and the development of detailed tender responses, including industry programs.

Time Lock Cash Containers (TLCC)

The company is currently the sole-source supplier of two types of Time Lock Cash Container to Australia Post under a period contract. These units are manufactured to an IIC design, and are equipped with an advanced high-reliability programmable Kaba-Mas electronic locks. The units are subject to stringent manufacturing and inspection procedures prior to shipment in accordance with the company's ISO 9001:2008 procedures. IIC also operates a Help desk to support the product throughout Australia.

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