

# Cyber Security – Identifying and Handling Information Assets



Experience the commitment®

**T**he highly dynamic nature of today's cyber security threat requires an effective response by everyone in an organisation who is handling information assets and data.

Information classification, marking and handling, in accordance with the new British Standard BS10010, provides a practical mechanism to engage everyone within an organisation, and those it shares information with. This will help to protect that information.

## THE CHALLENGE

Establishing Information Security Management Systems (ISMSs) which are compliant or certified to ISO27001 is an effective way to protect an organisation's assets. However, they can be complicated to get right and carry with them a resource level that may sometimes be difficult to justify.

Many organisations, in all business sectors, already classify and mark their own information and electronic communications according to their own internal rules. However, there is often no agreed equivalence of such classification, marking and handling amongst private sector organisations, across the wider public sector or between private sector and public sector organisations. This leads to information that is exchanged between s being handled differently and sometimes inappropriately (excessively or, more often, inadequately).

Deploying an effective Information Classification, Marking and Handling (ICMH) system can deliver significant improvement to how sensitive information is managed, both within the users' own organisation and with those organisations that such material is shared with. This can contribute to the protection of the organisation's investments, income, reputation and future.

## CGI'S ICMH SERVICES

CGI's ICMH services include:

- Developing an information strategy, including classification, marking and handling
- Data discovery and assessment programmes
- Benchmarking ICMH processes, whether design, deployment or operational effectiveness
- Design and deployment of new ICMH systems
- Design and delivery of training programmes in ICMH
- Assurance of 3<sup>rd</sup> parties' ICMH schemes, e.g. supply chains



## A DATA SECURITY PARTNER YOU CAN TRUST

- CGI originally recommended the creation of BS10010, released in April 2017, and was its principal author.
- We have operated our own ICMH schemes for more than 30 years.
- CGI operates Critical National Infrastructure services in the Finance, Energy, Utilities, Transport, Health and other sectors that all have challenging information handling, sharing and security requirements.
- We have well developed relationships with UK Government Departments, Regulators and Security Authorities.
- We are leading authors of many other BSI, CEN and ISO standards that are shaping requirements for ICMH schemes, and uniquely understand the intentions behind the words.
- We are reviewing the cyber security readiness and compliance of the major elements of the UK energy industry, including ICMH practices.

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- Selection of products to automate all or part of an ICMH system
- Facilitating product suppliers to build ICMH into their products.

## BENEFITS

An ICMH system often proves to be a highly pragmatic and effective approach to delivering material, strategic and tactical, benefits to the organisation(s) deploying it. These will include:

- **Improved organisational performance.** An effective security-positive culture will have spin-offs such as enhanced awareness of business priorities, increased employee satisfaction and higher levels of commitment to the organisation.
- **Improved perception of the organisation.** Differentiation of the organisation as one that follows good security practice and is therefore worthy of trust.
- **Identifying and protecting key information.** Delivering information security that is more commensurate with its underlying value.
- **Enhanced compliance.** Improved adherence to the organisation or its clients' requirements and standards, such as ISO27001, regulations, such as GDPR, and sector-related legislation.
- **Increased staff engagement.** Employees will take real responsibility for security when it is both seen as being taken seriously and when practical and simple to apply.
- **Reduced residual risk and vulnerability.** The number, frequency and materiality of information disclosures, loss of integrity or unavailability will reduce.
- **Reduced cyber security skills gap.** Co-opting the skills and capability of the organisation's people can help reduce over-dependency on scarce, expensive, cyber security specialists and technology.

## WHY CGI?

For over 40 years, CGI has helped secure government and commercial clients and delivered some of the most complex technology projects and services, whilst still facilitating effective and efficient services delivery day-to-day. We have received many accolades for our work and have supported our clients to achieve a 100% success rate when undertaking ISO 27001 accreditation, which is reliant on an appropriate ICMH system being in place.

Our ICMH services build on, and underpin, this solid background – to amplify and extend our technology and security management solutions with resilient processes. We have dedicated UK cyber security consultants advising a wide range of clients across UK public and private sectors – part of a nearly 2,000 consultant-strong global cyber security team who bring shared expertise, research, knowledge, capabilities and solutions to our client projects.

## ABOUT CGI

With over 68,000 professionals in 40 countries, CGI fosters local accountability for client success while bringing global delivery capabilities to clients' front doors.

Founded in 1976, CGI applies a disciplined delivery approach that has achieved an industry-leading track record of on-time, on-budget projects.

CGI has a global team of cyber security experts, who work with governments and commercial clients, ensuring their business critical systems and services are effective and secure.

CGI is one of the few providers worldwide with accredited security certification facilities - located in the UK, Canada and the U.S.

Our Security Operations Centres continuously identify and deploy the best solutions to maintain a state-of-the-art infrastructure, handling over 74 million cyber events a day.

Our high-quality business consulting, systems integration and outsourcing services help clients leverage current investments while adopting new technology and business strategies that achieve top and bottom line results.

As a demonstration of our commitment, our average client satisfaction score for the past 10 years has measured consistently higher than 9 out of 10.

For more information about CGI, visit: [www.cgi-group.co.uk/cyber](http://www.cgi-group.co.uk/cyber) or email us at [cyber@cgi.com](mailto:cyber@cgi.com)