



## BDO CYBER LAB SERVICES

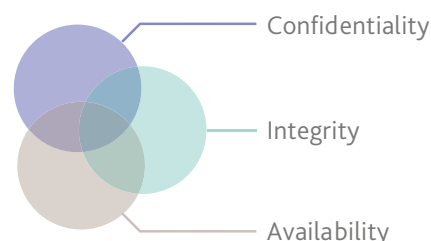
### Comprehensive Cyber Risk Management Services

► **WE IMPLEMENT SOPHISTICATED RISK MANAGEMENT PROCESSES FOR CLIENTS TO HELP THEM BETTER UNDERSTAND AND MITIGATE THE VARIOUS CYBER-RELATED RISKS TO WHICH THEY ARE EXPOSED**

BDO Cyber and Forensic Lab is part of the global BDO network of experts spanning Governance, Risk and Compliance (GRC), information security, solution architecture and legal fields. Together with our clients, we aim to pro-actively protect the confidentiality, integrity and availability of customers' information assets. We offer a distinctive approach to Information Security Management Systems that is based on various state of the art service offerings, allowing for you to do what you do best, while we help you bring a new set of value to your clients.

	Assessment	IT Security Strategy	Remediation	Audit & Certification	Monitoring	Incident Response
POPI	✓	✓	✓	✓	✓	✓
PCI	✓	✓	✓	✓	✓	✓
ISO 27001	✓	✓	✓	✓	✓	✓
Vulnerability Assessments	✓	✓	✓	✓	✓	✓
GRC Strategy	✓	✓	✓	✓	✓	✓
Remote Monitoring and Management					✓	✓
AD Risk	✓		✓			
SIEM / SOC					✓	✓
Predictive Analytics					✓	✓
Forensic						✓
Managed Services	✓	✓	✓	✓	✓	✓
APT / Endpoint			✓		✓	✓

## INFORMATION SECURITY PRINCIPLES



## BENEFITS

- C-level responses on IT governance = Aligned and Supported
- Business leaders involved in ISMS implementation
- ISMS aligned to Technology solutions
- IT investments aligned to Business Requirements
- IT solutions aligned to ISMS
- Continuous Improvement as a core principle
- ISMS Implementation = Efficient, Effective, Risk Management, Factual

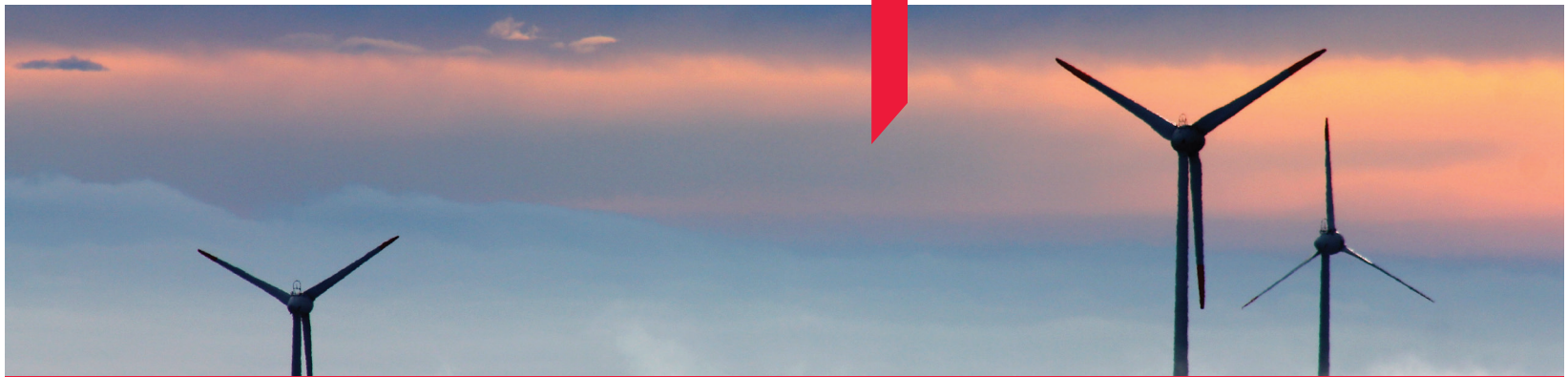


## CONTACT US FOR A PROPOSAL

Let us equip you to manage your Cyber Readiness, Cybercrime, help with Cyber Forensics and provide Cyber Analytics

## CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)



# GOVERNANCE, RISK AND COMPLIANCE SERVICES

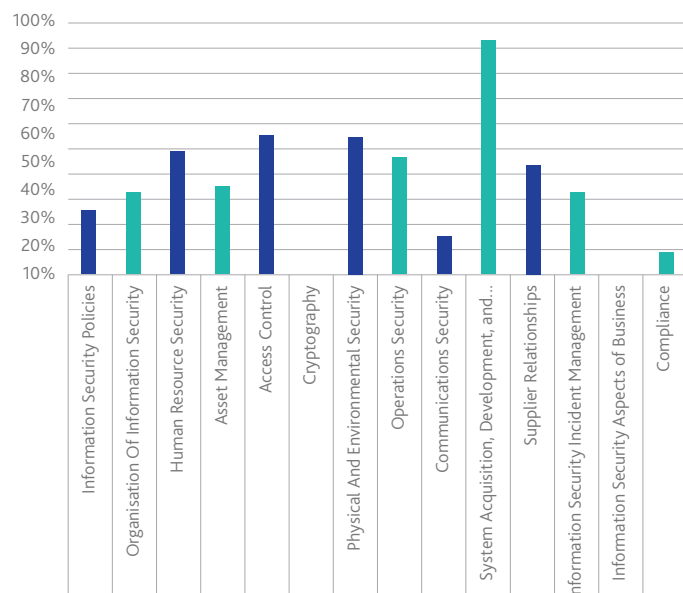
## GRC Strategy

### ► OBTAIN INTEGRATED GOVERNANCE, RISK AND COMPLIANCE REPORTING CAPABILITIES ACROSS ORGANISATIONAL UNITS AND WORK GROUPS

Our GRC Strategy Services collectively build a Group Operational Risk Management Framework that consolidates information inputs to display a single version of the truth. Through integration, the solution assists diverse functional business areas in simplifying the flow of information within and across business units and work groups. By increasing visibility, GRC Strategy Services increase companies' ability to synchronise their response to changes in the business environment. In reducing unnecessary data duplication, companies can directly save on costs and redeploy resources on expanding the business.



### GRC COMPLIANCE STATUS BY STANDARD'S SECTION

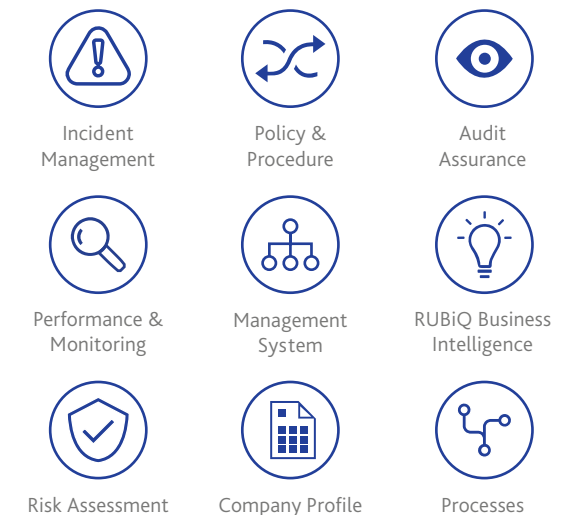


BDO South Africa Risk Advisory Services (Pty) Ltd, a South African company, is an affiliated company of BDO South Africa Inc, a South African company, which in turn is a member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms. BDO is the brand name for the BDO network and for each of the Member Firms.

### BENEFITS

- Drives strategic focus
- Identify business risks
- Identify compliance obligations
- Provides validated data
- Live automated PDCA
- Informed decision-making
- Reduce cost, risk and improve performance

### MODULES



### LET US SHOW YOU HOW IT WORKS

Contact us to book your dedicated, on-site workshop and solution demonstration

### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)



## INFORMATION SECURITY MANAGEMENT SERVICES

### ISO 27001 Assessments, Implementations and Audits

#### ► WE WILL HELP YOU FIGHT LESS FIRES BY ALIGNING YOUR INFORMATION SECURITY MANAGEMENT APPROACH TO INTERNATIONAL BEST-PRACTICE STANDARDS

The expert team at BDO Cyber and Forensic Lab aims to help clients efficiently navigate the Information Security Risk landscape by covering all the fundamental bases of a company's Information Security Management System. Our process is fully aligned to ISO 27001:2013, which is a renowned international standard that governs the policies, procedures and guidelines around protecting information assets used throughout the organisation.



#### BENEFITS

- Lower costs by reducing the probability and damage caused by incidents
- Present the facts when it comes to the confidentiality, integrity and availability of information assets
- Provides customers and stakeholders with confidence in how you manage risk
- Protect the company, assets, shareholders and directors

#### APPLICABLE ORGANISATIONS



Government



Private



NGO



SMB



Medium



Enterprise



**CHECK YOUR RISK PROFILE WITH AN ISO 27001 GAP ASSESSMENT**

Call us and get a FREE Risk Treatment Plan with your Assessment Report

#### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536

22 Wellington Road, Parktown, Johannesburg

[www.bdo.co.za](http://www.bdo.co.za)





# PERSONAL INFORMATION MANAGEMENT SERVICES

## Protection of Personal Information (POPI) Assessments and Implementations

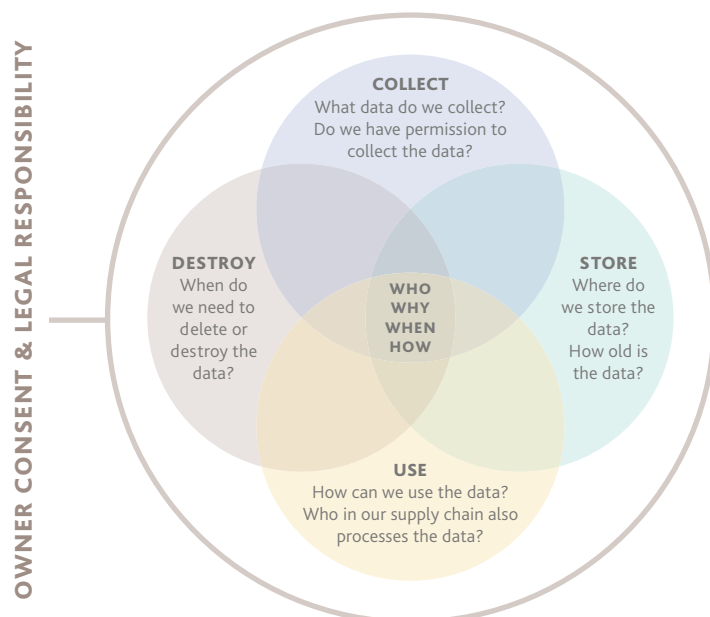
### ► WE WILL HELP YOU UNDERSTAND AND SUCCESSFULLY ADDRESS THE ORGANISATIONAL IMPACT OF THE POPI ACT

Our scope of Personal Information Management Services aims to identify organisations' Protection of Personal Information (POPI) Act (no 4 of 2013) readiness gaps and build their collective competence in addressing these risks efficiently and effectively. The BDO Cyber and Forensic Lab team consists of experts who are here to equip customers and clients to prove their ongoing POPI Compliance to clients, auditors and the Information Regulator.

*Refer to our Payment Card Industry (PCI) Compliance solution for information specific to protecting payment card data against loss and fraud.*



### OUR POPI COMPLIANCE FRAMEWORK



BDO South Africa Risk Advisory Services (Pty) Ltd, a South African company, is an affiliated company of BDO South Africa Inc, a South African company, which in turn is a member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms. BDO is the brand name for the BDO network and for each of the Member Firms.

### WHAT IS AFFECTED BY THE POPI ACT?

- Organisation's policies and procedures regarding the collection, processing and storage of Personal Information
- Contractual agreements with suppliers
- Bring-Your-Own-Device (BYOD) Usage
- Data or Device Encryption Capabilities
- Incident Response Communication Plans around informing customers/clients/suppliers (data subject) of data breach
- Organisation's Marketing tactics and permission to use specific data

### DATA CLASSIFICATION GROUPS



Non-personal data



Personal data



Special personal data

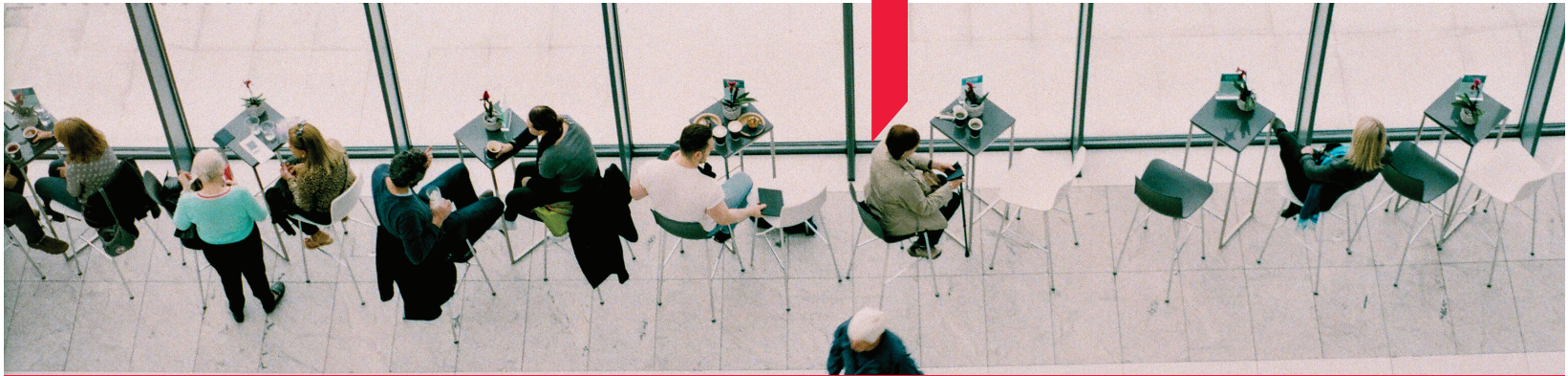


### PRIORITISE YOUR COMPLIANCE EFFORTS WITH A POPI READINESS ASSESSMENT

Know where and how POPI impacts the business and how to address it. Contact our team for a POPI Readiness Assessment

### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)



# PAYMENT CARD INFORMATION SECURITY SERVICES

## PCI Assessments, Implementations and Audits

### ► WE WILL HELP YOU PROCESS CARD PAYMENTS SECURELY AND REDUCE CARD FRAUD

BDO Cyber and Forensic Lab can help you keep customer payment information safe from fraudulent use by aligning your organisation's data processing methods to the Payment Card Industry Data Security Standard (PCI DSS). Our Payment Card Information Security Management Services covers the entire Information Management Process, from an initial assessment to remediation, auditing and incident response.



#### PCI DATA SECURITY STANDARD – HIGH LEVEL OVERVIEW

Build and Maintain a Secure Network and Systems	
1	Install and maintain a firewall configuration to protect cardholder data
2	Do not use vendor-supplied defaults for system passwords and other security parameters
Protect Cardholder Data	
3	Protect stored cardholder data
4	Encrypt transmission of cardholder data across open, public networks
Maintain a Vulnerability Management Program	
5	Protect all systems against malware and regularly update anti-virus software or programs
6	Develop and maintain secure systems and applications
Implement Strong Access Control Measures	
7	Restrict access to cardholder data by business need to know
8	Identify and authenticate access to system components
9	Restrict physical access to cardholder data
Regularly Monitor and Test Networks	
10	Track and monitor all access to network resources and cardholder data
11	Regularly test security systems and processes
Maintain an Information Security Policy	
12	Maintain a policy that addresses information security for all personnel

PCI DSS  
101 TIP

"IF YOU DON'T NEED IT,  
DON'T STORE IT."

### WHO WILL BENEFIT FROM BECOMING PCI DSS COMPLIANT?

- Companies that accept, process or receive payments via debit or credit card.

### LEGAL RISKS IF YOU ARE NOT PCI DSS COMPLIANT:

- Incur fines from Card Schemes for loss of payment data
- Be held financially liable for fraudulent use of lost payment data
- Lose customers' trust and future business
- Pay more for subsequent costs of compliance
- Lose the ability to accept payment cards



**NOT SURE WHERE TO START OR  
WHAT INFORMATION TO STORE?**

Get started by contacting us for a PCI DSS Gap Assessment

### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)





# IT MONITORING AND MANAGEMENT SERVICES

## IT Infrastructure Remote Monitoring and Management

### ► WE WILL EFFICIENTLY MANAGE YOUR COMPANY'S IT INFRASTRUCTURE WITH PREDICTABLE MONITORING, MANAGEMENT AND REPORTING ACROSS THE BUSINESS

BDO Cyber and Forensic Lab Services aim to pro-actively identify the security risks of company data and maintain the confidentiality, integrity and availability of information. We are a team of Cyber Security professionals with extensive knowledge and a deep understanding of business challenges surrounding people, process and technology. Our Remote Monitoring and Management services allows you to minimise the company's inherent IT Security risks by having highly trained specialists track, act and report on the health and safety of IT assets in the organisation.

### BENEFITS

- Allows you to focus on growing your business.
- Gain more comprehensive security management capabilities without acquiring additional fixed overheads.
- Build business cases with accurate, frequent reporting on issues found and resolved.
- Communicate current and future risk in terms your business understands: financial impact.
- Monthly service billing without any long-term fixed investment costs.

### FEATURES



Security Focused Storage



Risk Intelligence Reports



Payment Data Discovery



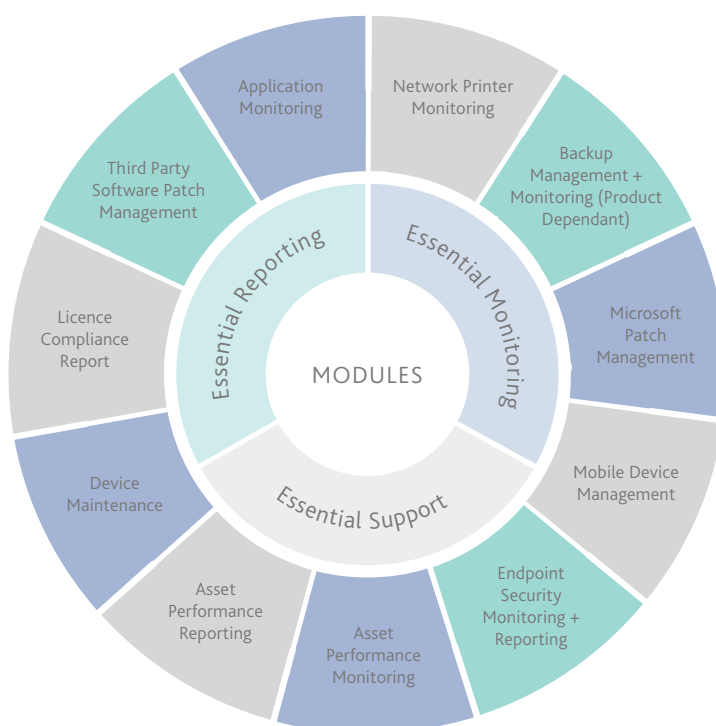
Hybrid Cloud Recovery



Data Archiving



Vulnerability Scanning



### LET US PROVE OUR VALUE TO YOU WITH A DEMO

Contact us for an in-person, live demo and 14-day trial with reporting to show you the cost savings of effective IT management

### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)



## IT SECURITY RISK ADVISORY SERVICES

### Security Vulnerability Assessments and Penetration Testing

#### ► WE WILL SHOW YOU YOUR SECURITY ARCHITECTURE'S LOOPHOLES AND HOW TO PATCH THEM, QUICKLY

BDO Cyber and Forensic Lab's Vulnerability Assessments aim to reveal how organisations' networks, endpoints and web applications could risk providing attackers with pathways to backend systems and confidential data based on how it has been designed, built and maintained. Our expert team can instantly propose effective countermeasures to pro-actively address organisations' security challenges before attackers exploit the infrastructure's 'weak links'.



	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
Weight	Scan Only	0	0	1	2	3	4	5
Data Classification	Assurance Only	Unclassified	Unclassified	Unclassified	Restricted	Confidential	Secret	Top Secret
Engagement Period	2 Hours	5 Hours	10 Hours	15 Hours	20 Hours	25 Hours	45 Hours	60 Hours
Vulnerability Assessment	✓	✓	✓	✓	✓	✓	✓	✓
In Person Report Delivery		✓	✓	✓	✓	✓	✓	✓
Exploit Validation			✓	✓	✓	✓	✓	✓
Full CVE Content Mapping				✓	✓	✓	✓	✓
System Survivability					✓	✓	✓	✓
Backdoor Identification						✓	✓	✓
Financial Impact Analyses							✓	✓
Remediation Workshop								✓
Free Follow Up Assessment								✓

Please note that Hours are Assessment Hours: Report Compilation and Delivery not billable  
Please note that weight 2 Upward is conducted by a Minimum of 2 Professionals

#### BENEFITS

- Pinpoint the most critical operational risks to your overall state of IT security
- Assess the effectiveness of your defensive measures and policies
- Evaluate the security posture of network systems, endpoint systems, email users and web applications
- Identify the presence of Illegal Music, Video and other copyrighted material
- Validate and filter the results of vulnerability scans
- Comply with regulations that call for penetration testing and other active assessment of security controls

#### FEATURES



Audit-ready reporting



Automate security testing



Test heterogeneous infrastructures



**CONTACT US FOR A VULNERABILITY ASSESSMENT**

Know the facts, what to do and where to start before it is too late. The Cyber and Forensic Lab team is here to help

#### CONTACT DETAILS

+27 11 488 1700 or +27 82 883 0536  
22 Wellington Road, Parktown, Johannesburg  
[www.bdo.co.za](http://www.bdo.co.za)

BDO South Africa Risk Advisory Services (Pty) Ltd, a South African company, is an affiliated company of BDO South Africa Inc, a South African company, which in turn is a member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms.  
BDO is the brand name for the BDO network and for each of the Member Firms.