



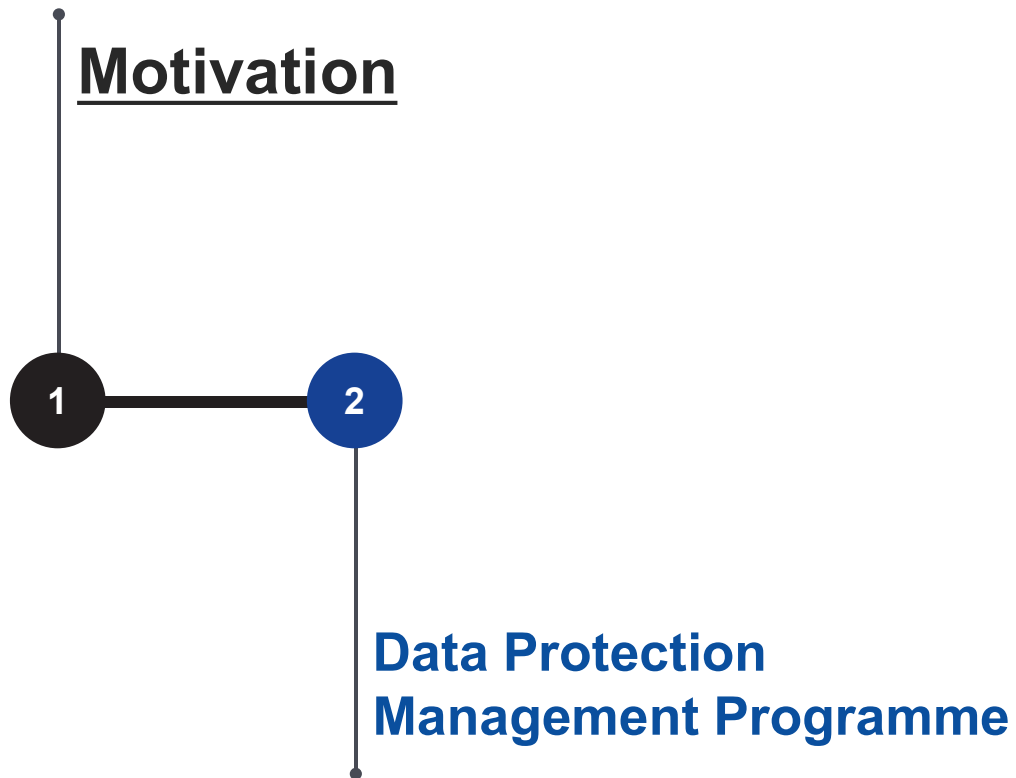
Data Privacy and Protection

Topic 5

DPMP

Data Protection Management Programme

Contents



Data Protection Management Programme

... builds a strong foundation for data protection within the organisation



Data Protection Management Programme

... helps organisations to demonstrate accountability in data pr



Trusted



Customers and Business Partners

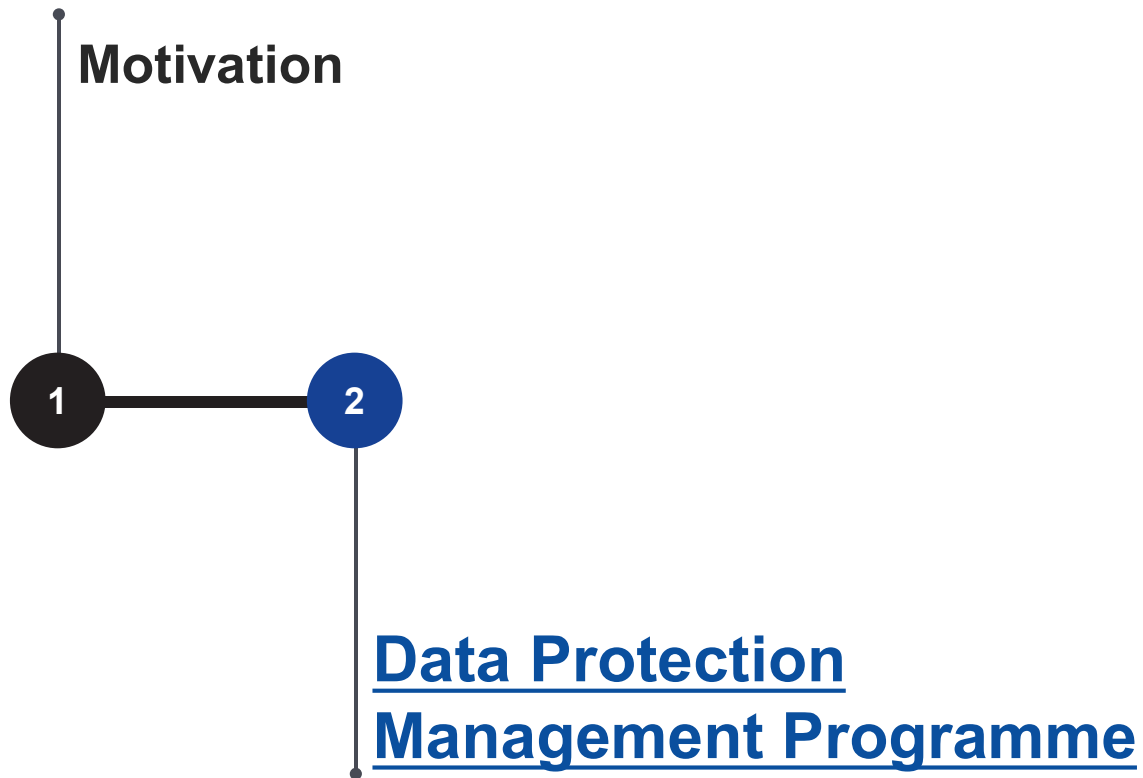
Data Protection Management Programme

... helps organisations to demonstrate accountability in data protection



<https://youtu.be/1vLsCUz8XSI>

Contents





Governance and Risk Assessment

1	Governance and Risk Assessment
2	Policy and Procedures
3	Processes
4	Maintenance



Governance Structure and Values



Risk Assessment

Role of Senior Management

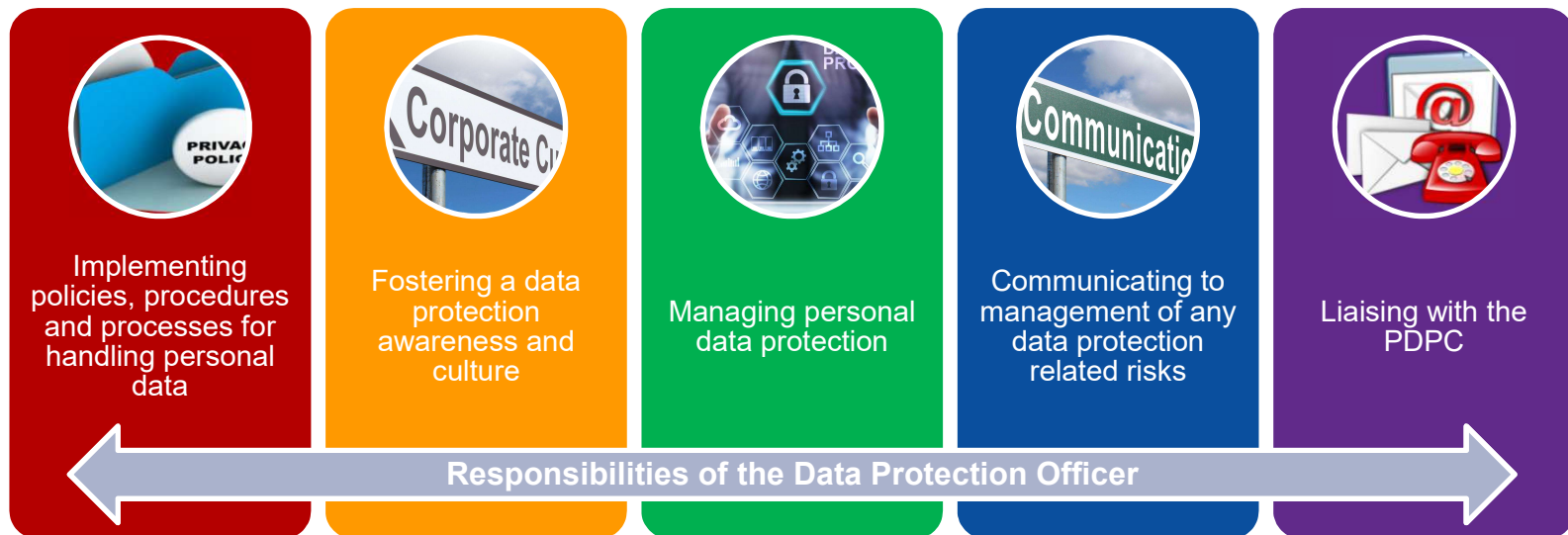


To provide leadership through

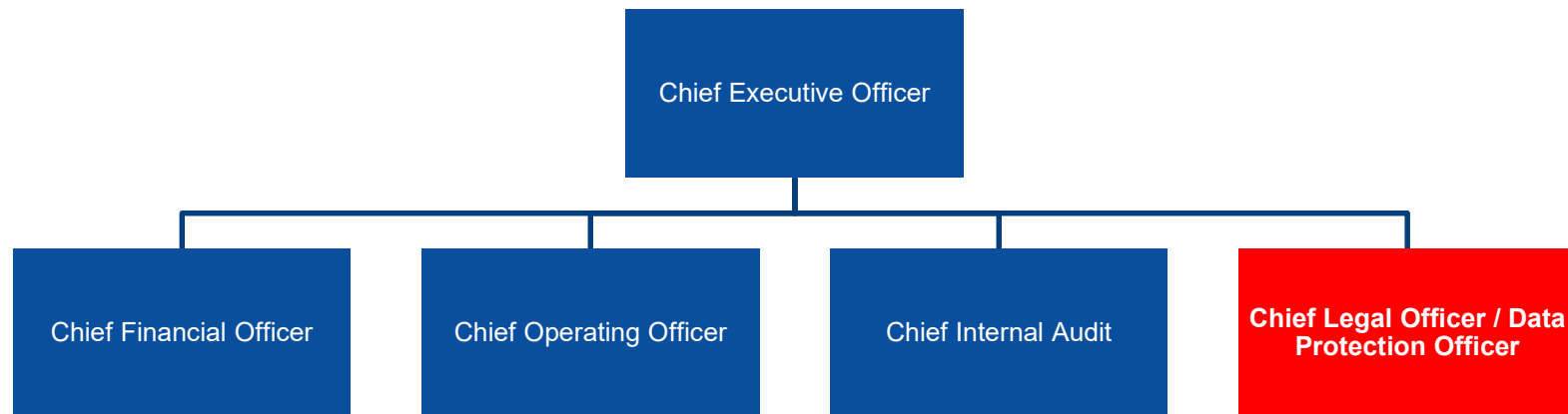
1. Defining corporate values that are aligned with data protection
2. Allocating resources to data protection
3. Appointing a Data Protection Officer (DPO)
4. Managing personal data protection risks
5. Providing guidance on data protection initiatives
6. Supporting data protection policies and programme
7. Commissioning Data Protection Impact Assessments
8. Advocating data protection training
9. Providing directions to the DPO

Role of Data Protection Officer

It is mandatory for all companies in Singapore to appoint a Data Protection Officer



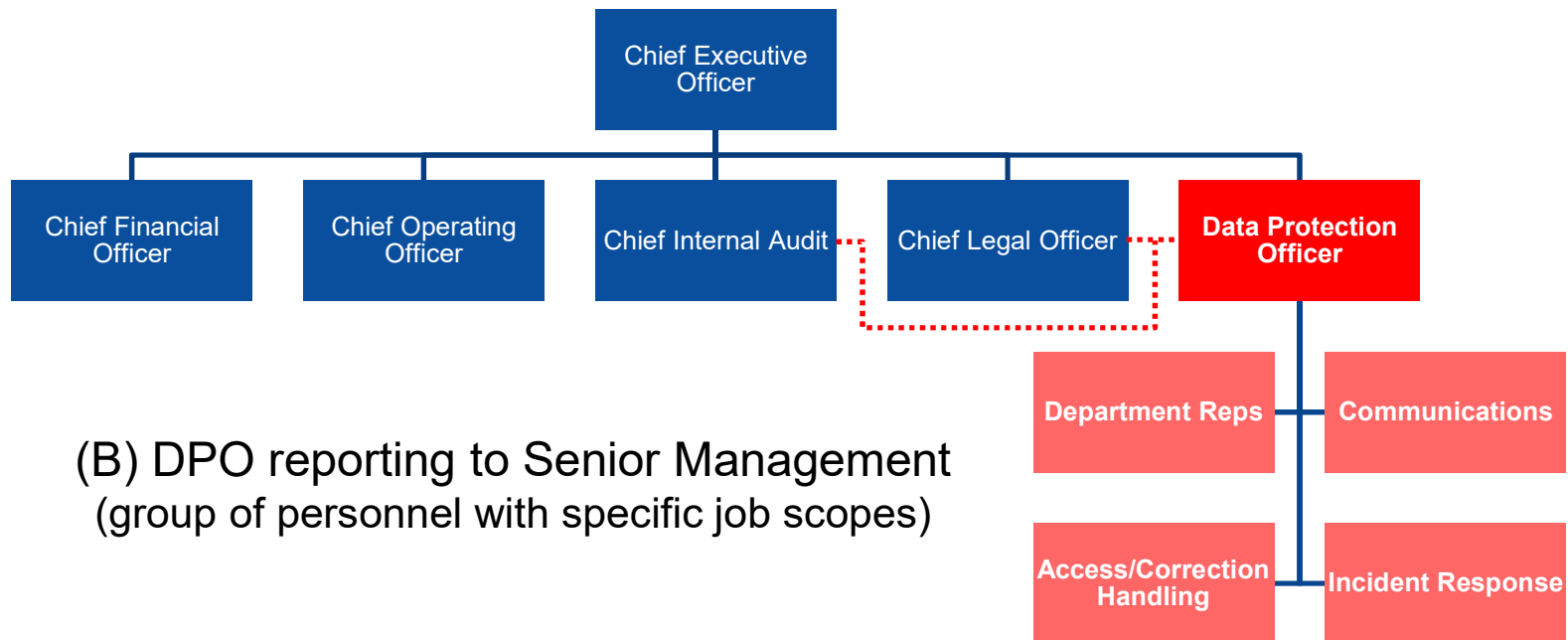
DPO in an Organisation



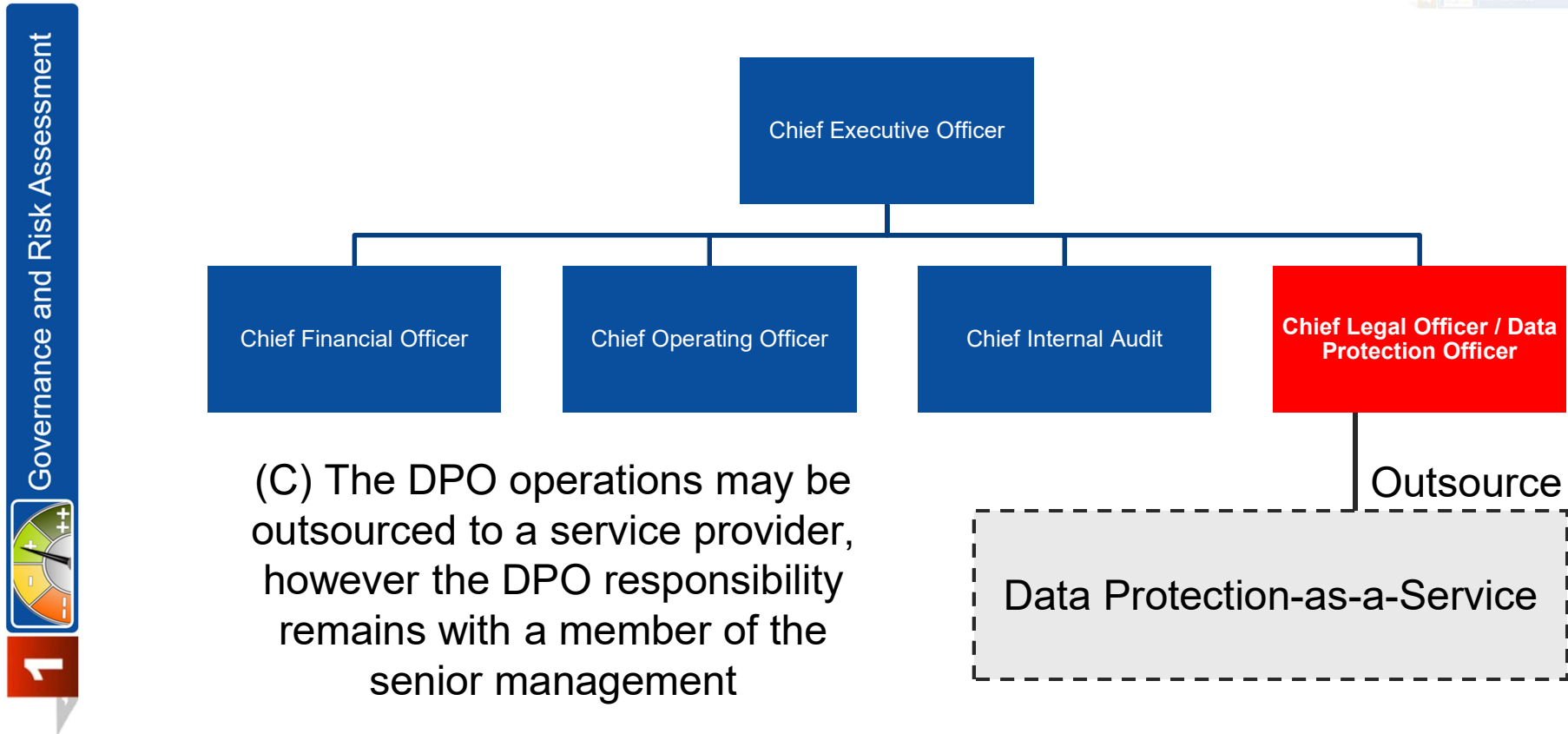
(A) Personnel within senior management appointed as the DPO

DPO in an Organisation

1	Governance and Risk Assessment
2	Policy and Procedures
3	Processes
4	Maintenance



DPO in an Organisation



Culture of Accountability and Staff Training



Protecting personal data is the responsibility of everyone in the organisation – generate awareness and foster a culture of personal data protection

1. Personal data protection education for all staff, from Board to Senior Management to Staff
2. Trainings and briefings on personal data protection should be tailored to job functions
3. Regular staff communication circulars to include personal data protection topics

Understanding and Identifying Risks

Senior management should have an understanding of risks and review how risks affects the organisation



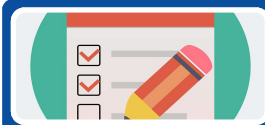
Strategic

- Affects achieving company strategic objectives
- e.g. governance, strategic planning



Operational

- Affects organisational operations
- e.g. sales and marketing, production



Compliance

- Affects organisational compliance with regulations
- e.g. legal, code of conduct



Financial

- Affects organisational financial process
- e.g. reporting, tax

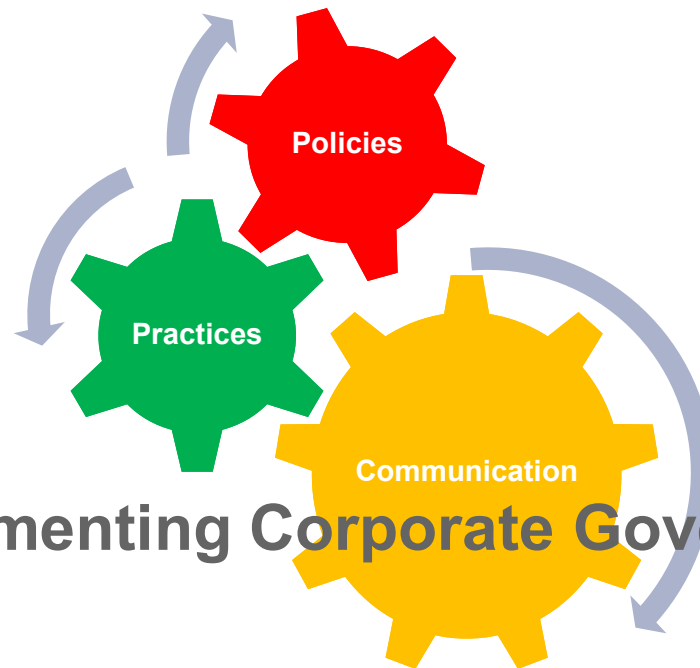
To manage risks, senior management should ensure that data protection is incorporated into their Risk Management framework

2



Policy and Practices

1	Governance and Risk Assessment
2	Policy and Practices
3	Processes
4	Measurement



Implementing Corporate Governance

Provides clarity. Demonstrates accountability.

Data Privacy Policies



Data Privacy Policies



To comply to Personal Data Privacy regulations



To set expectations for individuals

Policies needs to explain:



What data is collected



Why the data is being collected



What do you plan to do with the data



Contact details for any questions or concerns

Data Privacy Policies



Policies needs to be understood:



Use plain language



Frequently Ask Questions



Structured for the user



Easily accessible

An example:

Data Protection Policy

- a) It is our responsibility to maintain the confidentiality of personal data and protect personal data against accidental or unlawful loss, unauthorised access, disclosure, copying, use or modification.
- b) In our dealings with third parties e.g. outsourcing activities that require third party vendors to handle personal data of our staff or students, we must note that it is our responsibility to ensure that these third party vendors also provide the same level of data protection as NYP.

One way that we have done so is by including standard data protection clauses in the procurement contracts for such vendors to adhere to.

For details, pls refer to Staffassist -> Data Protection Policy -> Handling Enquiries on Personal Data

Ok

Data Privacy Practices



Data Protection by Design

Practicing personal data protection throughout the project's operational life cycle



Key Elements of Data Protection by Design

Key elements of data protection by design include:

1. **Privacy by Default:** Systems should be configured to ensure that personal data is processed only as necessary for the intended purpose and that only necessary data is processed by default.
2. **Data Minimization:** It's essential to collect and process only the data that is necessary for the intended purpose. Avoiding the collection of excessive or irrelevant data is a key practice in data protection.
3. **Transparency and Accountability:** Implement measures to ensure transparency about data processing activities and to enable individuals to exercise their data protection rights. Additionally, ensure accountability for compliance with data protection laws and regulations.
4. **Security Measures:** Incorporate appropriate technical and organisational security measures to protect personal data against unauthorised access, disclosure, alteration, or destruction.
5. **Anonymization and Pseudonymisation:** Consider using techniques such as anonymisation or pseudonymisation to minimise the risks associated with processing personal data.
6. **User Empowerment:** Provide users with control over their personal data and enable them to make informed choices about how their data is collected, used, and shared.

Data Privacy Communication

Organisations should ensure that personal data protection policies are communicated clearly and upfront



Notification

- Publish policies and other information in simple language
- Use relevant channels (e.g. websites) that are easily accessible



Consent

- Ensure that users understand what they are consenting
- Simple and clear consent clauses at appropriate touchpoints



Policy Updates

- Communicate any policy or service updates
- Communicate separately from other marketing messages



Interaction with Users

- Ensure staff interacting with users are trained in policy content
- Ensure staff sensitivity in handling data privacy feedback and queries



Access, Correction, and Complaint Handling

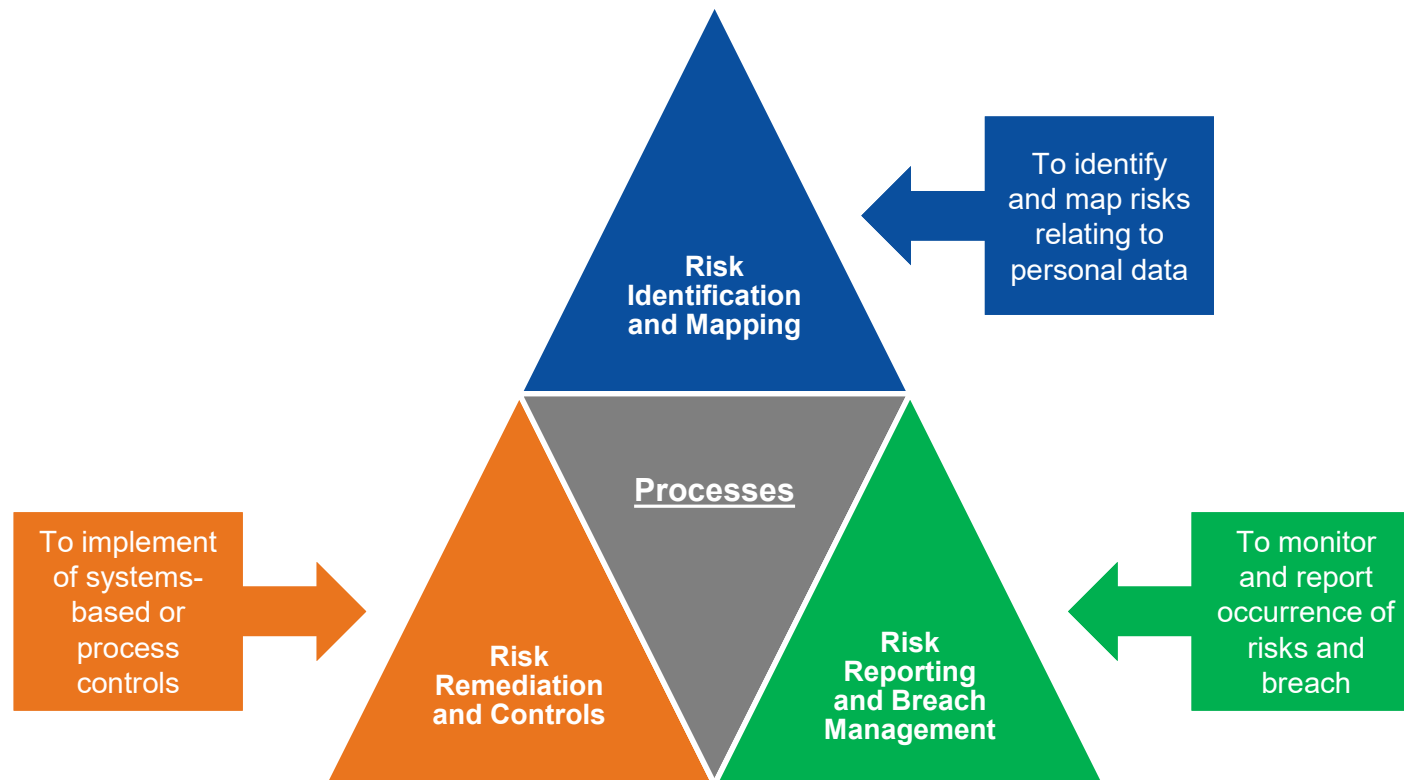
- Provide accessible channels for users' requests
- Ensure proper processes and prompt response

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Processes

1	Governance and Risk Assessment
2	Policy and Practices
3	Processes
4	Maintenance



Risk Identification and Mapping



To identify and map risks relating to personal data, through using:

- Data Inventory Map – cataloguing personal data that includes, collection, use, disclosure, storage, disposal
- Data Flow Diagram – depicts the movement of that data through internal systems and external transfers
- Risk Register – records risks associated with the personal data and how it is used, likelihood and consequences of risk occurring

Risk Identification and Mapping

– Data Inventory Map

Personal Data Inventory																
No.	Department	Personal Data	Collection				Use		Disclosure to External Parties in Singapore		Storage		Transfer to External Parties outside Singapore		Disposal & Archival	
			Collection Purpose	Data Owner	Data Source	Collection Medium	Users of Personal Data and Purpose of Usage	Access to Personal Data	External Parties and Purpose of Transfer / Disclosure	Transfer Mode	Physical Storage	Electronic Storage	External Parties	Transfer Mode	Retention Period	Disposal Methods
1	Advertising and Marketing	Members: - Name - Email Address - Contact Number - Gender - Nationality - NRIC - Membership	Market Research, Lucky Draw Contests, Send Newsletters and Promotions	Marketing	Customer Service	Hardcopy Forms, Emails, Softcopy	Database Team - Add data into databases	HR Compliance	Overseas marketing representatives Research Agencies, Online Research Platforms Starhub, M1, Singtel	NA	Hardcopy forms are in secured cabinets in secured rooms, accessible only via passes and keys	Databases	Overseas marketing representatives Research Agencies, Online Research Platforms	NA	1 year	Physical - Shredding Electronic - Cleanup software

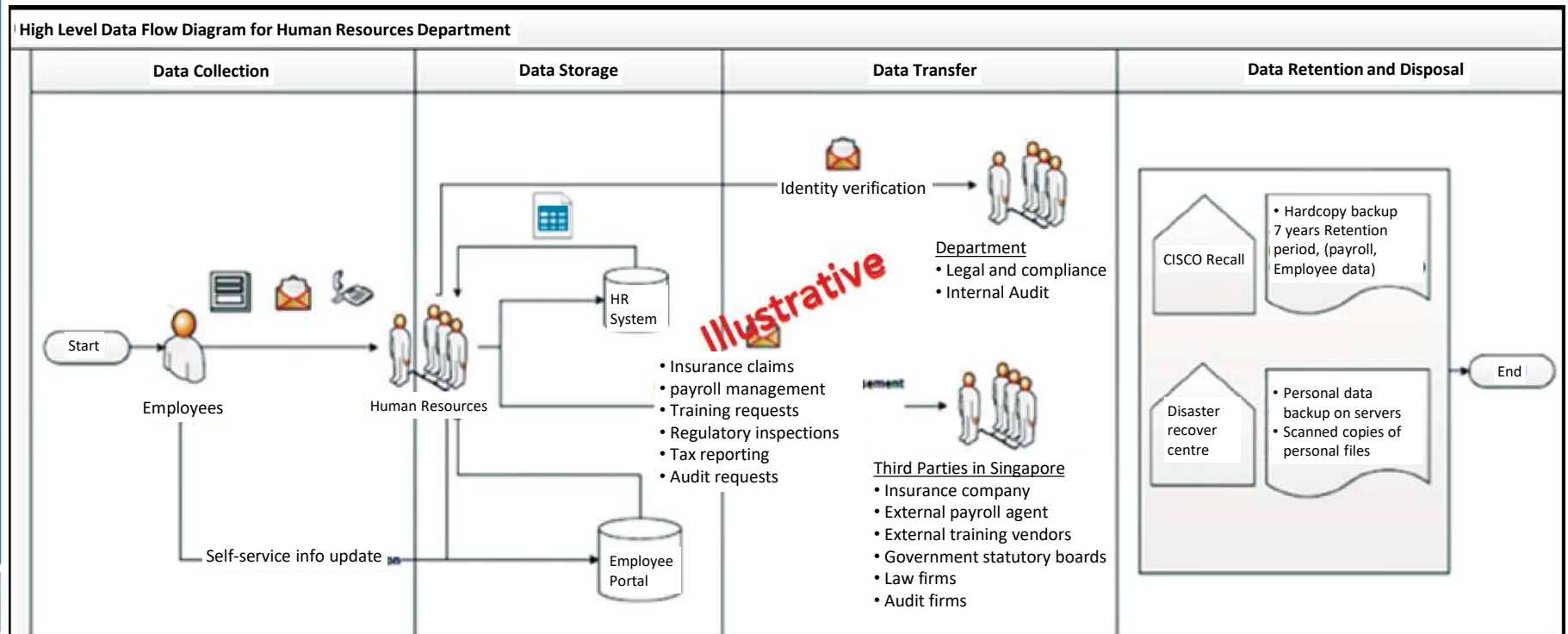
Illustrative

Risk Identification and Mapping

– Data Flow Diagram

Processes

3



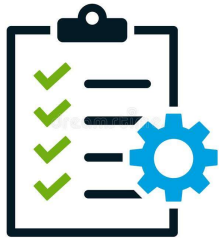
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Risk Remediation and Controls



Risk management and remediation steps:

1. Identify where personal data is stored
2. Determine level of security controls required
3. Apply controls on systems/infrastructure that stores personal data
4. Implement process controls to approve, review and manage access rights
5. Build data protection measures during the software development lifecycle

Risk Reporting and Breach Management



To ensure that

- ongoing monitoring of personal data protection risks
- regular reporting of risks and incidents to senior management – quarterly or annually

To manage breach by

- **C**ontaining the breach
- **A**ssess the risk
- **R**eporting the incident
- **E**valuating appropriate response and recover procedures

4



Maintenance

1	Governance and Risk Assessment
2	Policy and Practices
3	Processes
4	Maintenance



Reviewing Policies and Practices



Changes in environment may require revisions to data protection policies and processes.

Organisations will have to decide whether the reviews should be applied immediately or periodically

Immediate (Ad-hoc)	Periodic
Major data leakage incident	Revision of data protection policies and processes at regular intervals
Legislative or regulatory amendments	Batch review of occurrences of minor incidents
Organisational changes	

Auditing



Organisations can conduct an audit to monitor and evaluate the overall implementation of the company's data protection policies and processes.

This could be done by

- An internal audit periodically
- An ad-hoc inspection or walk-through
- Obtaining and maintaining certifications for the organisation's data protection measures
- External audit

Monitoring Changes



Organisations need to keep up to date with changes and developments within and outside the organisation.

Monitoring the environment could include

External Environment	Internal Environment
Amendments to regulations	New or updated systems or processes
Data best practices or data incidents in other organisations	New business model
Technological changes or emerging technologies	Data incidents or feedback/complaints

Contents

