



香港個人資料私隱專員公署 Office of the Privacy Commissioner for Personal Data, Hong Kong

Artificial Intelligence:

Model Personal Data Protection Framework

that organisations should incorporate into their business process when they procure, implement and use Al



Provide feedback for adjustment



ESTABLISH Al Strategy and Governance



CONDUCT

Risk Assessment and Human Oversight



EXECUTE

Customisation of AI Models and Implementation and Management of AI Systems



FOSTER

Communication and Engagement with Stakeholders



Re-assess risks when there are significant changes

Fine-tune AI systems to address stakeholders' concerns

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ESTABLISH - Al Strategy and Governance

7 Steps in Al Procurement



1. Sourcing Al solutions



2. Picking the appropriate AI solution



3. Collecting and preparing data



4. Customising Al model for particular purpose



5. Testing, evaluating and validating AI model



6. Testing and auditing system and components for security and privacy risks



7. Integrating Al solution into organisation's system

9 Governance Considerations



Purposes of using Al



Privacy and security obligations and ethical requirements



International technical and governance standards



Criteria and procedures for reviewing Al solutions



Data processor agreements



Policy on handling output generated by the Al system



Plan for continuously scrutinising changing landscape



Plan for monitoring, managing and maintaining AI solution



Evaluation of AI suppliers

Supporting Organisations: 中華人民共和國香港特別行政區政府 政府資訊科技總監辦公室

Office of the Government Chief Information Officer The Government of the Hong Kong Special Administrative Region of the People's Republic of China Hong Kong Applied Science and Technology Research Institute 香港應用科技研究院



CONDUCT

Risk Assessment and **Human Oversight**

Risk-based Approach to Human Oversight

Risk level of Al system



Human-in-command

Human actors oversee the operation of AI and intervene whenever necessary



Human-in-the-loop

Higher

Human actors retain control in the decision-making process



EXECUTE

Customisation of Al Models and **Implementation** and Management of Al Systems





Data Preparation

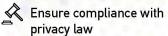


Human-out-of-the-loop

Al makes decisions without

human intervention

Selected Recommendations



Minimise the amount of personal data involved



Manage data quality



Document data handling



Customisation and Implementation of AI



Conduct rigorous testing and validation of reliability, robustness and fairness



Consider compliance issues based on the hosting of AI solution ('on-premise' or on a third party cloud) prior to integration



Ensure system security and data security



Management and Continuous **Monitoring of Al**



Maintain proper documentation



Conduct periodic audits



Establish an Al Incident Response Plan



Consider incorporating review mechanisms as risk factors evolve



FOSTER

Communication and **Engagement** with Stakeholders

Stakeholders



Internal Staff



Al Suppliers



Customers



Regulators





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