

Dimension 1	Dimension 2	Dimension 3				
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Plan	A.1 : IS and Business Strategy Alignment					
	A.3 : Business Plan Development					
	A.5 : Architecture Design					
	A.7 : Technology Trend Monitoring					
Manage	E.8 : Information Security Management					

This e-CF Explorer is an initiative of IT Professionalism Europe (ITPE) with the aim to increase visibility and accessibility of the e-Competence Framework. It is part of ITPE's pledge to the Digital Skills and Jobs Coalition to promote this European standard to different users across the EU.

Sources: CEN/TC 428, the 'e-Competence Framework' - EN 16234-1:2019, 2019 and CEN Workshop agreement, 'European ICT Professional Role Profiles', CWA 16458-1, 2018, 'IT Professionalism Europe – www.itprofessionalism.org'

A.1 IS and Business Strategy Alignment

Anticipates long term business requirements, influences improvement of the organisation's process efficiency and effectiveness. Determines the IS model and enterprise architecture maintaining consistency with organisational policy and ensuring a secure environment. Recognises potential risks and business requirements to assure resilience in the alignment of systems and services to the business strategy. Makes strategic IS policy decisions for the enterprise, including sourcing strategies.

Level 1	-
Level 2	-
Level 2	-
Level 3	Provides leadership for the construction and implementation of long term innovative IS solutions.
Level 4	Provides IS strategic leadership to reach consensus and commitment from the management team of the enterprise.

A.3 Business Plan Development

Addresses the design and structure of a business or product plan including the identification of alternative approaches as well as return on investment propositions. Considers the possible and applicable sourcing models. Presents cost benefit analysis and reasoned arguments in support of the selected strategy. Ensures compliance with business risk and technology strategies. Communicates and sells business plan to relevant stakeholders and addresses political, financial, and organisational interests.

Level 1	-
Level 2	-
Level 2	Exploits specialist knowledge to provide analysis of market environment etc.
Level 3	Provides leadership for the creation of an information system strategy that meets the requirements of the business (e.g. distributed, mobility-based) and includes risks and opportunities.
Level 4	Applies strategic thinking and organisational leadership to exploit the capability of Information Technology to improve or transform the business.

A.5 Architecture Design

Specifies, refines, updates and makes available a formal approach to implement solutions and services, necessary to develop and operate the IS architecture, taking into account the requirements from business, management and data and information infrastructure. Identifies change requirements and the components involved: hardware, software, applications, processes, services, information and technology platform. Takes into account interoperability, reversibility, scalability, usability, accessibility and security, including the need to account for the development and management of vulnerability within existing and emerging technologies. Maintains alignment between business evolution and technology developments and services to ensure capacity of IT solutions according to SLA.

Level 1	-
Level 2	-
Level 2	Exploits specialist knowledge to define relevant ICT technology and specifications to be deployed in the construction of multiple ICT projects, applications or infrastructure improvements.
Level 3	Acts with wide ranging accountability to define the strategy to implement ICT technology compliant with business need. Takes account of the current technology platform, obsolescent equipment and latest technological innovations.
Level 4	Provides strategic leadership for implementing the digital enterprise strategy. Applies strategic thinking to discover and recognize new patterns in data sets and new ICT systems, to achieve business benefits.

A.7 Technology Trend Monitoring

Investigates latest ICT technological developments to establish understanding of evolving technologies. Encourages and explores internal and external sources (including e.g. research activities, patents, start-up activities, digital communities) for innovative ideas and opportunities. Devises innovative solutions for the adoption or integration of existing or new technology and/or ideas into existing products, applications or services or for the creation of new ones.

Level 1	-
Level 2	-
Level 2	Detects signs of change to provide supervision and analysis of current and trend-setting ICT technological developments. Establishes relationships with relevant communities.
Level 3	Validates new and emerging technologies, coupled with expert understanding of the business, to envision and articulate solutions for the future. Creates the organisation wide trend monitoring processes.
Level 4	Plans and leads an organisational structure and support system for systematic technology watch. Advises and influences strategic decisions envisioning and articulating future ICT solutions.

E.8 Information Security Management

Manages information and systems security policy accounting for technical, human, organisational and other relevant threats, in line with the IT and business strategy and reflecting the risk culture of the organisation. Deploys and manages the operational and specialist (for e.g. forensics, threat intelligence and intrusion detection) resources needed to ensure the capacity to manage security incidents, and makes recommendations for the continuous improvement of security policy and strategy.

Level 1	-
Level 2	Systematically scans the environment to identify and define vulnerabilities and threats. Records and escalates non- compliance.
Level 2	Evaluates security management measures and indicators and decides if compliant to information security policy. Investigates and instigates remedial measures to address any security breaches
Level 3	Provides leadership for the integrity, confidentiality and availability of data stored on information systems and complies with all legal requirements.
Level 4	-