

Profile title	SOLUTION DESIGNER ROLE (24)		
Summary statement	Provides the translation of business requirements into end-to-end IT solutions.		
Mission	Proposes and designs solutions in line with technical architecture which fit business requirements and support change.		
Deliverables	Accountable	Responsible	Contributor
	<ul style="list-style-type: none"> <li>Solution in Operation</li> </ul>	<ul style="list-style-type: none"> <li>Solution Design Description</li> <li>User Experience Design</li> </ul>	<ul style="list-style-type: none"> <li>Project Portfolio</li> </ul>
Main task/s	<ul style="list-style-type: none"> <li>Examine and interpret business requirements</li> <li>Establish solution intent</li> <li>Align solution with technical architecture</li> <li>Identify potential technical design risks</li> <li>Supervise the built in quality</li> <li>Operate within the budgetary framework to validate the financial impact of design decisions</li> <li>Identify opportunities for innovation</li> <li>Plan technology roadmaps</li> </ul>		

The table above is an extract from *European ICT professionals role profiles* Ref. No. CWA 16458-1:2018 E © 2018 CEN

The following pages map SFIA skills and competency levels to the role profile. There are 2 parts to the mapping:

• **The Level of responsibility.**

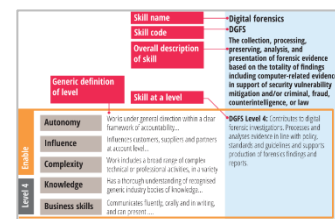
A common language is used to describe levels of responsibility across roles in all professional disciplines. The SFIA Framework consists of seven levels of responsibility; Level 1, the lowest, to Level 7, the highest. The levels describe the behaviours, values, knowledge and characteristics that an individual should have in order to be identified as competent at the level. Each of the levels is also labelled with a phrase to summarise the level of responsibility.

Level 7	Set strategy, inspire, mobilise
Level 6	Initiate, influence
Level 5	Ensure, advise
Level 4	Enable
Level 3	Apply
Level 2	Assist
Level 1	Follow

• **The Professional skills.**

SFIA 7 consists of 102 professional skills. Each skill description is made up of an overall definition of the skill and a description of the skill at each of up to seven levels.

The skill level descriptions provide a detailed definition of what it means to practice the skill at each level of competency. The skill level descriptions are aligned to the 7 levels of responsibility which ensures consistency throughout the SFIA framework making it solid and robust across professional disciplines.



## EU ICT Solution Designer role (24) (NB this could be a multi-level role)

### SFIA Generic Responsibility Levels for the Role

#### Autonomy - Level 5

- Works under broad direction
- Work is often self-initiated
- Is fully responsible for meeting allocated technical and/or project/supervisory objectives
- Establishes milestones and has a significant role in the assignment of tasks and/or responsibilities

#### Influence - Level 5

- Influences organisation, customers, suppliers, partners and peers on the contribution of own specialism
- Builds appropriate and effective business relationships
- Makes decisions which impact the success of assigned work, i.e. results, deadlines and budget
- Has significant influence over the allocation and management of resources appropriate to given assignments
- Leads on user/customer collaboration throughout all stages of work
- Ensures users' needs are met consistently through each work stage

#### Complexity - Level 5

- Performs an extensive range and variety of complex technical and/or professional work activities
- Undertakes work which requires the application of fundamental principles in a wide and often unpredictable range of contexts
- Understands the relationship between own specialism and wider customer/organisational requirements

#### Knowledge - Level 5

- Is fully familiar with recognised industry bodies of knowledge both generic and specific
- Actively seeks out new knowledge for own personal development and the mentoring or coaching of others
- Develops a wider breadth of knowledge across the industry or business
- Applies knowledge to help to define the standards which others will apply

#### Business Skills - Level 5

- Demonstrates leadership
- Communicates effectively, both formally and informally
- Facilitates collaboration between stakeholders who have diverse objectives
- Analyses, designs, plans, executes and evaluates work to time, cost and quality targets
- Analyses requirements and advises on scope and options for continuous operational improvement
- Takes all requirements into account when making proposals
- Demonstrates creativity, innovation and ethical thinking in applying solutions for the benefit of the customer/stakeholder
- Advises on the available standards, methods, tools and applications relevant to own specialism and can make appropriate choices from alternatives
- Maintains an awareness of developments in the industry
- Takes initiative to keep skills up to date
- Mentors colleagues
- Assesses and evaluates risk
- Proactively ensures security is appropriately addressed within their area by self and others
- Engages or works with security specialists as necessary
- Contributes to the security culture of the organisation

## EU ICT Solution Designer role (24) *(NB this could be a multi-level role)*

### SFIA Professional Skills for the Role

Core - all people performing this job will need this skill. Optional - some people performing this job will need the skill.

#### Core: Solution architecture @ Level 5

- Leads the development of systems architectures in specific business, infrastructure or functional areas
- Ensures that appropriate tools and methods are available, understood and employed in architecture development
- Within a change programme, leads the preparation of technical plans and, in liaison with business assurance and project staff, ensures that appropriate technical resources are made available
- Provides advice on technical aspects of solution development and integration (including requests for changes, deviations from specifications, etc) and ensures that relevant technical strategies, policies, standards and practices (including security) are applied correctly

#### Core: Business analysis @ Level 5

- Takes responsibility for investigative work to determine business requirements and specify effective business processes, through improvements in information systems, information management, practices, procedures, and organisation change
- Selects, adopts and adapts appropriate business analysis methods, tools and techniques; selecting appropriately from plan-driven/predictive approaches or more adaptive (iterative and agile) approaches
- Collaborates with stakeholders at all levels, in the conduct of investigations for strategy studies, business requirements specifications and feasibility studies
- Prepares business cases which define potential benefits, options for achieving these benefits through development of new or changed processes, and associated business risks
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#### Core: Requirements definition and management @ Level 5

- Plans and drives scoping, requirements definition and prioritisation activities for large / complex initiatives
- Selects, adopts and adapts appropriate requirements definition and management method, tools and techniques selecting appropriately from plan-driven/predictive approaches or more adaptive (iterative and agile) approaches
- Obtains input from and formal agreement to requirements from a diverse range of stakeholders
- Negotiates competing priorities and conflicts
- Establishes the requirements baseline
- Ensures changes to requirements are investigated and managed
- Contributes to the development of organisational methods and standards

#### Core: Emerging technology monitoring @ Level 5

- Monitors the market to gather intelligence on emerging technologies
- Assesses and documents impacts, threats and opportunities to the organisation
- Creates technology roadmaps
- Shares knowledge and insights with others

#### Core: Innovation @ Level 5

- Executes innovation processes
  - Develops, evolves and adapts innovation tools, processes, infrastructures to drive the process of innovation
  - Manages the pipeline of innovations
  - Identifies resources and capabilities needed
- Encourages and motivates communities, teams and individuals to share creative ideas and learn from failures
- Manages and facilitates the communication and open flow of creative ideas between interested parties and the set up of innovation networks and communities

**Core: User experience design @ Level 5**

- Determines the approach to be used to design and prototype digital and off-line tasks, interactions and interfaces in line with the usability and accessibility needs of the system, product or service
- Uses iterative approaches to rapidly incorporate user feedback into designs
- Plans and drives user experience design activities providing expert advice and guidance to support adoption of agreed approaches
- Integrates required visual design and branding into the user experience design activities