

# Architect - Competency Mappings

There are numerous competency mappings that exist from one organisation to the next and between different bodies involved within the Enterprise Architecture Field.

Below is a mapping of a number of these Competency Models against one another. Please note that some competencies are quite broad or narrow and can map to more than one or no other competency area within a particular framework.

The Competency Models assed here are:

1. [IASA Competency Model](#)
2. [SFIA - Skills Framework for the Information Age](#)
3. [TOGAF 9.2 Architecture Skills Framework](#)
4. CEB Enterprise Architecture Competencies
  - a. Note this is replaced by Gartner 2022 C EA Competencies
5. [Gartner 2022 Core Enterprise Architecture Competencies](#)

| #  | IASA Pillar                  | Competency                                      | SFIA Alignment | TOGAF Alignment   | CEB Alignment  | Gartner 2022 Core EA                                     |
|----|------------------------------|---|----------------|---|--|--|
| 1  | Business Technology Strategy | Business Fundamentals                           | BSMO           | 5.2 Business Scenarios / 5.4 Managing Business Change                   | 1. Business Acumen   |  |
| 2  | Business Technology Strategy | Strategy Development and Rationalisation        | ITSP           | 5.2 Strategic Planning / 5.2 Visioning                                  | 8. Big Picture Thinking  | AF - Roadmapping   |
| 3  | Business Technology Strategy | Industry Analysis                               | RSCH           | 5.2 Business Scenarios  | 2. Commercial Appreciation<br>20. New Technology Innovation                  | BS - Ecosystem Strategy<br>BS - Digital Business Mindset |
| 4  | Business Technology Strategy | Business Valuation                              | FMIT           | 5.2 Business Case / 5.2 Budget Management / Benefits Analysis           | 4. Finance   |  |
| 5  | Business Technology Strategy | Investment Prioritisation and Planning          | ITSP           | 5.2 Business Scenarios  | 7. Roadmapping And Planning / 9. Strategic Planning                          |  |
| 6  | Business Technology Strategy | Requirements Discovery and Constraints Analysis | REQM           | N/A   |  | CT - Comfort With Ambiguity                              |
| 7  | Business Technology Strategy | Compliance                                      | N/A            | 5.6 Data Protection Law   |  |  |
| 8  | Business Technology Strategy | Architecture Methodologies and Frameworks       | ARCH           | 5.3 Business Process Design   | 17. Business Architecture  | BS - Scenario Planning                                   |
| 9  | Business Technology Strategy | Risk Management                                 | BURM           | 5.1 Risk Management / 5.3 IT Industry Standards                         |  | BS - Risk Management                                     |
| #  | IASA Pillar                  | Competency                                      | SFIA Alignment | TOGAF Alignment   | CEB Alignment  | Gartner 2022 Core EA                                     |
| 10 | Design                       | Requirements Modelling                          | REQM           | 5.3 Business modelling / 5.3 Modelling Skills                           | 11. Visual Thinking<br>21. Modelling and Design                              | AF - Future-State Modeling                               |
| 11 | Design                       | Architecture Description                        | ARCH           | 5.3 Architecture Principles Design / 5.3 Systems Behavior               | 10. Information Synthesis / 13. Creativity<br>24. Architecture Documentation | CT - Creativity and Innovation                           |
| 12 | Design                       | Decomposition and Reuse                         | ARCH           | 5.5 Asset Management  | 26. Tech Portfolio Management  | DE - Proactive Continuous Improvement                    |
| 13 | Design                       | Design Methodologies and Processes              | DTAN           | 5.3 Data Design / 5.5 IT App Dev Methodologies & Tools                  | 18. Service Architecture   | CT - Pragmatic Approach to Problem Solving               |
| 14 | Design                       | Design Patterns, Principles and Styles          | DTAN           | 5.3 Application Design / 5.3 Systems Integration / 5.3 Solutions Design | 14. Integration Architecture<br>22. Standard Setting                         | AF - Principles & Standards Design                       |
| 15 | Design                       | Design Analysis and Testing                     | BPTS           | 5.1 Logical Analysis  |  |  |
| 16 | Design                       | Traceability Throughout the Lifecycle           | N/A            | 5.4 Value Management  |  | BS - Strategic Outcome Alignment                         |

|    |                    |   |                       |  |                              |   |
|----|--------------------|---|-----------------------|--|------------------------------|---|
| 17 | Design             | Views and Viewpoints  | N/A - TOGAF           | 5.3 Architecture Views and Viewpoints Design   | 13. Creativity               | AF - Architectural Coaching   |
| 18 | Design             | The Whole Systems Design  | DTAN                  | 5.3 Services Design? / 5.3 Business Interworking / 5.5 Systems? / 5.5 Enterprise Continuum                 |                              | CT - Big-Picture Thinking   |
| #  | <b>IASA Pillar</b> | <b>Competency</b>   | <b>SFIA Alignment</b> | <b>TOGAF Alignment</b>   | <b>CEB Alignment</b>         | <b>Gartner 2022 Core EA</b>   |
| 19 | Quality Attributes | Balancing and Optimising Quality Attributes                                   | QUMG                  | N/A  | 5. Quality Attributes        |   |
| 20 | Quality Attributes | Manageability, Maintainability, Supportability, Extensibility and Flexibility | QUMG                  | N/A  |                              |   |
| 21 | Quality Attributes | Monitoring and Management   | QUMG                  | 5.5 Service Level Agreements   |                              |   |
| 22 | Quality Attributes | Performance, Reliability, Availability and Scalability                        | QUMG                  | N/A  | 15. Application Architecture |   |
| 23 | Quality Attributes | Security  | SCTY                  | 5.6 Security   |                              | DE - Cyber Judgment   |
| 24 | Quality Attributes | Usability, Localisation, Accessibility, Personalisation and Customisation     | QUMG                  | 5.6 User Interface / 5.6 International Operations  |                              | DE - Human-Centered Design  |
| 25 | Quality Attributes | Packaging, Delivery and Post Deployment                                       | QUMG                  | 5.5 Application Deployment   |                              |   |
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| 26 | Human Dynamics     | Managing the Culture  | N/A                   | 5.2 Business Culture   |                              | DE - Interdependency Management<br>IE - Political Savviness                                 |
| 27 | Human Dynamics     | Customer Relations  | N/A                   | 5.6 Contract Law?  | 3. Serving Customers         | BS - Customer-Centricity<br>IE - Discussion Facilitation                                    |
| 28 | Human Dynamics     | Leadership and Management   | ETMG                  | 5.1 Leadership / 5.2 Business Functions?   | 6. Leadership                |   |
| 29 | Human Dynamics     | Peer Interaction  | N/A                   | 5.1 Interpersonal / 5.1 Stakeholder Management   | 25. EA Functional Management | CT - Adaptability<br>IE - Emotional Intelligence  |
| 30 | Human Dynamics     | Collaboration and Negotiation   | N/A                   | 5.1 Teamwork / 5.1 Stakeholder Management  | 12. Parallel Processing      | CT - Challenging Conventional Wisdom<br>DE - Cross-Domain Collaboration<br>IE - Influencing |
| 31 | Human Dynamics     | Presentation Skills   | N/A                   | 5.1 Oral Communications  |                              | IE - Storytelling   |
| 32 | Human Dynamics     | Writing Skills  | N/A                   | 5.1 Written Communications   |                              | IE - Storytelling   |
| #  | <b>IASA Pillar</b> | <b>Competency</b>   | <b>SFIA Alignment</b> | <b>TOGAF Alignment</b>   | <b>CEB Alignment</b>         | <b>Gartner 2022 Core EA</b>   |
| 33 | IT Environment     | Technical Project Management  | PRMG                  | 5.3 Project Management / 5.4 Project Management / 5.4 Program Management                                   | 23. Project Governance       |   |
| 34 | IT Environment     | Asset Management  | ASMG                  | N/A  |                              |   |
| 35 | IT Environment     | Change Management   | CHMG                  | 5.4 Change Management  |                              |   |
| 36 | IT Environment     | Infrastructure Development  | ITOP                  | 5.3 Building Block Design / 5.5 Storage Management / 5.5 Networks / 5.5 Infrastructure / 5.6 Compute Infra | 16. Technical Architecture   |   |
| 37 | IT Environment     | Application Development   | SWDN                  | 5.3 IT Industry Standards? / 5.4 Programming Languages / 5.6 Software Engineering                          |                              |   |
| 38 | IT Environment     | Governance  | GOVN                  | 5.3 Organisation Design  |                              | AF - Adaptive Approach to Governance<br>IE - Holding Others Accountable                     |

|    |                                   |  |      |   |                              |                                |
|----|-----------------------------------|--|------|---|------------------------------|--------------------------------|
| 39 | IT Environment                    | Testing Methods, Tools and Techniques    | TEST | 5.3 Enterprise Architecture Tools?              |                              |                                |
| 40 | IT Environment                    | Knowledge Management                     | KNOW | N/A   |                              |                                |
| 41 | IT Environment                    | Decision Support                         | N/A  | N/A   |                              |                                |
| 42 | IT Environment                    | Platforms and Frameworks                 | N/A  | 5.5 Migration Planning                          |                              | DE - Iterative Ways of Working |
|    | <b>IASA Specialisation Pillar</b> | <b>Competency</b>                        |      | <b>TOGAF Alignment</b>                          | <b>CEB Alignment</b>         | <b>Gartner 2022 Core EA</b>    |
|    |                                   |  |      | 5.2 Organisation                                |                              |                                |
|    |                                   |  |      | 5.2 Business Process                            |                              |                                |
|    | Business Architecture             | Financial Methods                        |      | 5.2 Business Metrics                            |                              |                                |
|    |                                   |  |      | 5.2 Legacy Investments                          |                              |                                |
|    |                                   |  |      | 5.3 Role Design                                 |                              |                                |
|    | Software Architecture             | Technologies, Platforms & Frameworks     |      | 5.4 Programming Languages                       |                              |                                |
|    |                                   |  |      | 5.4 Brokering Applications                      |                              |                                |
|    | Software Architecture             | Services, Workflow and Messaging         |      | 5.5 Info Consumer Apps / 5.5 Info Provider Apps |                              |                                |
|    | Infrastructure Architecture       | Capacity Management                      |      | 5.5 Storage Management                          |                              |                                |
|    | Infrastructure Architecture       | Network Design                           |      | 5.5 Networks                                    |                              |                                |
|    |                                   |  |      | 5.4 Web Based Services                          |                              |                                |
|    |                                   |  |      | 5.5 COTS  |                              |                                |
|    |                                   |  |      | 5.5 Management Utilities                        |                              |                                |
|    | Infrastructure Architecture       | Infrastructure Architecture Introduction |      | 5.5 Infrastructure                              |                              |                                |
|    |                                   |  |      | 5.5 End-User Support                            |                              |                                |
|    | Software Architecture             | Software Engineering for Architects      |      | 5.6 Software Engineering                        |                              |                                |
|    | Infrastructure Architecture       | Network Design                           |      | 5.6 Sysrms & Network Management                 |                              |                                |
|    |                                   |  |      | 5.6 Transaction Processing                      |                              |                                |
|    | Infrastructure Architecture       | Access and Identity Management           |      | 5.6 Identity Management                         |                              |                                |
|    | Information Architecture          | Data Integration                         |      | 5.6 Data Interchange                            | 19. Information Architecture |                                |
|    | Information Architecture          | Infromation Management                   |      | 5.6 Data Management                             | 19. Information Architecture |                                |
|    |                                   |  |      | 5.6 Graphics & Image                            |                              |                                |
|    |                                   |  |      | 5.6 Opoerating System Services                  |                              |                                |
|    | Infrastructure Architecture       | Network Design                           |      | 5.6 Network Communications Infrastructure       |                              |                                |
|    |                                   |  |      | 5.7 Procurement Law                             |                              |                                |
|    |                                   |  |      | 5.7 Fraud                                       |                              |                                |
|    |                                   |  |      | 5.7 Commercial Law                              |                              |                                |