

Assessment Sub-award criterion 1 Functional

Name EA-Tool:

Name reviewer:



Reading guide

This assessment document supports the assessment of the five functionalities:

1. visualization
2. modelling
3. integration
4. versioning
5. support

Every functionality has been elaborated in a number of criteria. These criteria describe what an EA tool, according to Fontys, must meet/provide. Input was obtained from various stakeholders.

We ask you to assess a number of EA tools on the quality of their functionalities. Score each system for its elaboration of the requested functionality. In order to arrive at an opinion, you consider, for example, whether buttons and functions work as you would expect them to, whether the system is intuitive to use and to what extent the chosen solutions would work well in practice. It was consciously decided to assess the quality of the functionalities in an integral manner, as the whole is more than the sum of its parts.

1. Visualization					
The tool should be able to automatically generate views from data in the underlying database. These views should provide an easy FIT-GAP analysis between IST and SOLL architectures. The tool should provide ways to automatically create titleblocks in views, to see who created a view and when the view was created and last updated Architects are able to present views directly from the tool with real-time information from the EA model. The tool should have variety of templates or viewpoints to easily create standardized views. For example: - Standard view for which people are responsible for which application. - Standard view for which applications have the greatest impact on Fontys. - Standard view for application cost in relation to the business process they are used in. - Standard view for TIME (Tolerate, Invest, Migrate, Eliminate) analysis. Architects have access to one or more dashboards with the most important information from the EA-model. These dashboards can be adapted to meet specific needs. Architects are able to communicate a powerful corporate story with the use of user-application interaction (i.e. mouse-over, layering etc.), animation and other features.					
Rubrics					
None of the functionalities for visualization can be performed, seriously insufficient.	Some functionalities for visualization can be performed but they do not function sufficiently.	Most functionalities for visualization can be performed but are not very intuitive and the functionality is mediocre.	Most functionalities for visualization can be implemented and the functionality is sufficient.	All functionalities for visualization can be executed intuitively and the functionality is good.	All functionalities for visualization can be implemented and the functionality is very good.
0	2	4	6	8	10

2. Modelling

The tool supports collaboration between architects working in the Architecture Team and different project- and DevOps teams.

The tool supports the Archimate 3.1 model language and the Meta-Model should adhere to the Archimate domain architecture.

The tool should support the modelling of processes in the BPMN modelling language.

The tool supports the modelling of data diagrams in UML and should be able to model data structures, for example in ERD.

The tool should provide drag-and-drop functionality, so it is easy to create views in an intuitive way.

The tool should support easy and intuitive analysis of relations between objects, like processes, applications, integrations, data en technology objects.

The tool should be able to provide layering in views. The architect can toggle between layers, so one view can have multiple perspectives.

Rubrics

None of the functionalities for modelling can be performed, seriously insufficient.	Some functionalities for modelling can be performed but they do not function sufficiently.	Most functionalities for modelling can be performed but are not very intuitive and the functionality is mediocre.	Most functionalities for modelling can be implemented and the functionality is sufficient.	All functionalities for modelling can be executed intuitively and the functionality is good.	All functionalities for modelling can be implemented and the functionality is very good.
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0	2	4	6	8	10
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3. Integration

The tool should be able to integrate with the following systems. Whether or not through the use of the rest API of the EA Tool:

- Microsoft 365 (including Microsoft Power Platform)
- Microsoft Azure (any service)
- ITSM system (i.e. Clientèle)
- ISMS system
- Wiki systems (preferably MediaWiki)
- TBM structure (Technical Business Management, preferably a financial system)

The tool should have the ability to link to related external design documents.

The tool should be able to import and export content in common formats such as .CSV, .XML, .TXT, .XLSX etc. Diagrams/views should be exportable in .PNG, .JPG, .SVG, .HTML format etc.

The tool should support the AMEFF (Archimate Model OpenXchange File Format) standard.

The tool must have the ability to configure rules for resolving conflicting information imported from multiple sources.

Rubrics

None of the functionalities for integration can be performed, seriously insufficient.	Some functionalities for integration can be performed but they do not function sufficiently.	Most functionalities for integration can be performed but are not very intuitive and the functionality is mediocre.	Most functionalities for integration can be implemented and the functionality is sufficient.	All functionalities for integration can be executed intuitively and the functionality is good.	All functionalities for integration can be implemented and the functionality is very good.
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0	2	4	6	8	10
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4. Versioning					
The tool should be able to show an audit trail on all objects with the ability to see which user modified what version. The tool should be able to support version management on models and data so I can view and roll back in time. The tool should be able to support a built-in workflow to allow acceptance or rejection of modifications through a lifecycle (e.g. discussion, design, authorization, publication)					
Rubrics					
None of the functionalities for versioning can be performed, seriously insufficient.	Some functionalities for versioning can be performed but they do not function sufficiently.	Most functionalities for versioning can be performed but are not very intuitive and the functionality is mediocre.	Most functionalities for versioning can be implemented and the functionality is sufficient.	All functionalities for versioning can be executed intuitively and the functionality is good.	All functionalities for versioning can be implemented and the functionality is very good.
0	2	4	6	8	10

5. Support					
The tool should have a sizable user community with a forum where questions are answered, possible best practices are shared and feature requests can be submitted. Documentation of the EA tool is extensively described and available to users, preferably integrated in the tool itself Technical documentation of, for example the API, is extensively described and available to users. Training and/or training material for functional support and end-users is/are available.					
Rubrics					
None of the functionalities for support can be performed, seriously insufficient.	Some functionalities for support can be performed but they do not function sufficiently.	Most functionalities for support can be performed but are not very intuitive and the functionality is mediocre.	Most functionalities for support can be implemented and the functionality is sufficient.	All functionalities for support can be executed intuitively and the functionality is good.	All functionalities for support can be implemented and the functionality is very good.
0	2	4	6	8	10