

MODELLING FOUNDATIONS – RETURN TO THE CORE

SUPER USER GROUP – NOVEMBER 21, 2024

AGENDA

- Conventions database
- Semantic checks
- Satellite Modelling
- Questions

CONVENTIONS DATABASE

Goals of a conventions database :

- Maintaining a filter with clarity
 - 3 ways to maintain a filter in ARIS
 - Select elements 1 by 1
 - Merge existing filters
 - **Generate filter from a database**
- Generate conventions guide
- Display examples

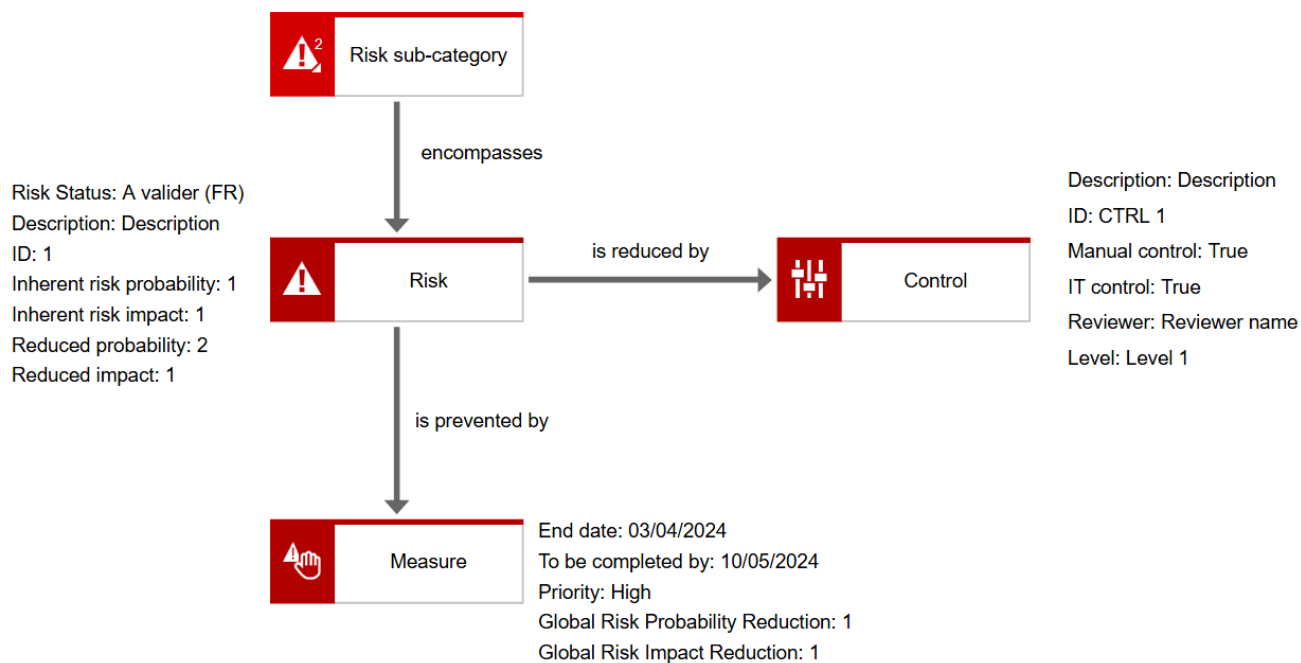
CONVENTIONS DATABASE

Golden rules for establishing such database :

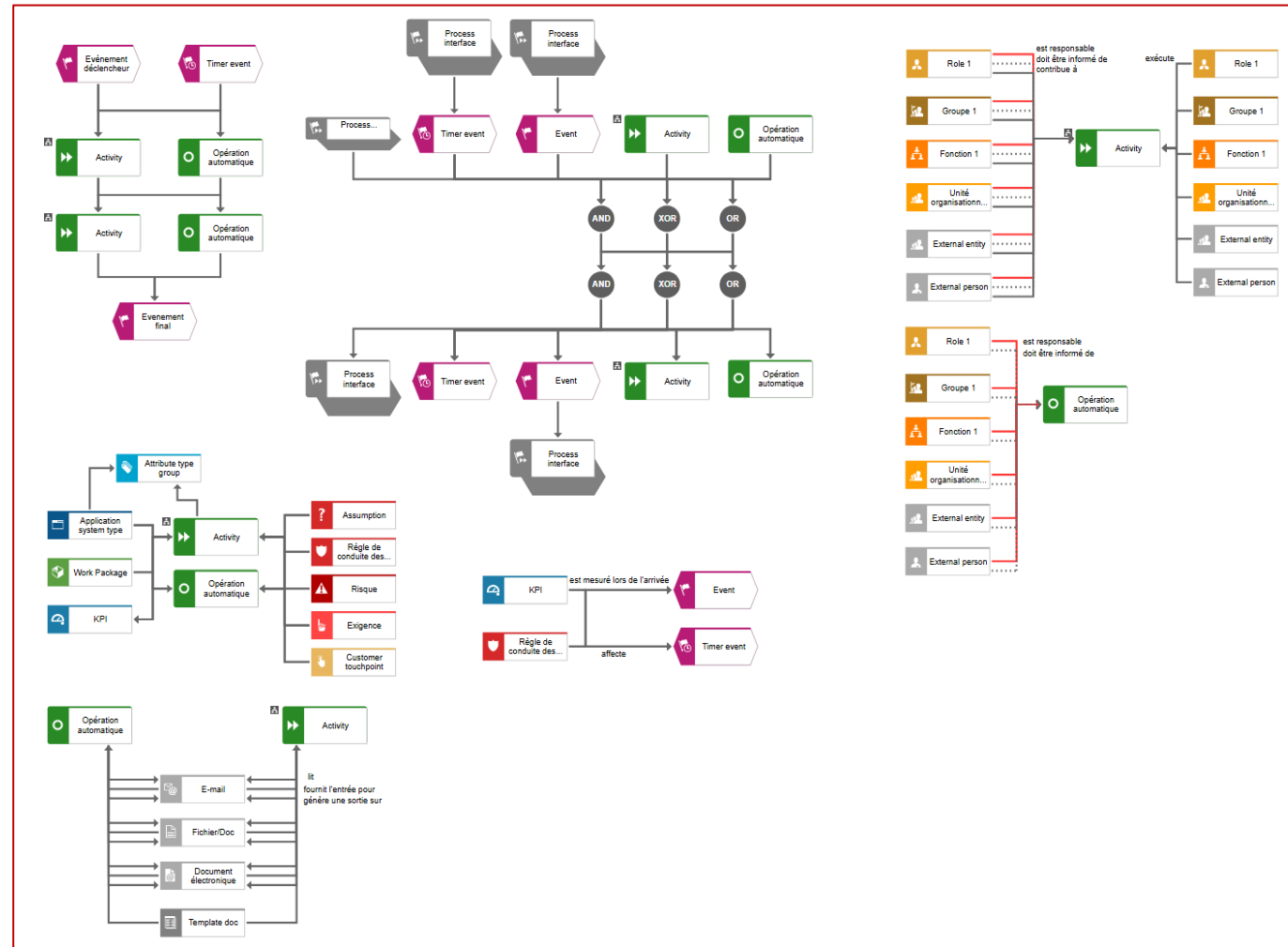
- 1 model by type
- Put 1 object by desired symbol in each model
 - Reuse as much as possible existing objects => use occurrence copies
- Create all desired connections between symbols in each model
 - Display connection type on the model
- Maintain desired attributes on models / objects / connections
 - Display attributes on the model to highlight what is maintained

CONVENTIONS DATABASE

Name: Template Business Control diagram
 Technical Status: Tech Status
 Approval history: Approval history







CONVENTIONS DATABASE



CONVENTIONS DATABASE – OUTPUT WORD DOCUMENTS

1.6. ArchiMate Technology Usage Viewpoint



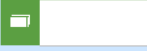
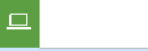


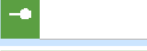



1.6.1. List of symbols for this model

Symbol name	Symbol API/ GUID (Symbol Num)	Symbol Graphic
System software (EN)	ST_ARCHIMATE_SYSTEM_SOFTWARE (1595)	
Device (EN)	ST_ARCHIMATE_DEVICE (1590)	
Technology interface (EN)	ST_ARCHIMATE_TECHNOLOGY_INTERFACE (1591)	
Node (EN)	ST_ARCHIMATE_NODE (1594)	

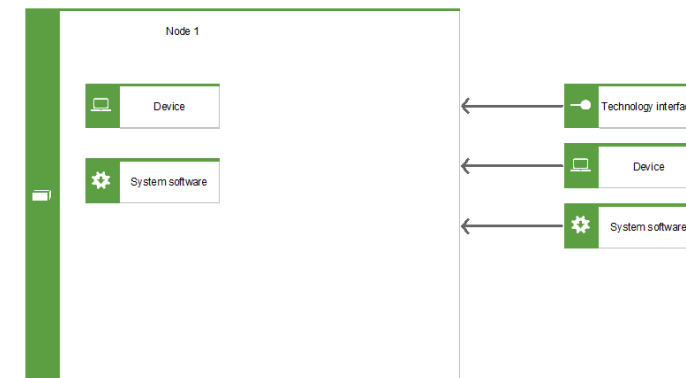
1.6.2. Attributes

Attribute name	Description	Attribute type Nr	Attribute API/GUID	VALUES EN
Creator		1009	AT_CREATOR	
Date of model last review	Date of model last review	723674	5d538f20-fcff-11ec-288c-005056b0cb8e	
Date of model next review	Standard date of model next review. Should be one year after the date of model last review, calculated automatically.	789210	e91dff40-fcff-11ec-288c-005056b0cb8e	
ID		55	AT_ID	
Last change		1175	AT_LAST_CHNG_2	
Last user		1290	AT_LUSER	
Model Designer	Person responsible of model designer	4721365	f647aa60-fcfd-11ec-288c-005056b0cb8e	
Model Owner	Person responsible of the model	4655829	6a93f690-fcfd-11ec-288c-005056b0cb8e	
Name		1	AT_NAME	
Status		381	AT_STATE_1	
Time of generation		1008	AT_CREAT_TIME_STMP	
Type		389	AT_TYPE_6	

1.6.3. Connections

Symbol Source	Source Name	Connection name	Connection API	Symbol Target	Target Name
	Device (EN)	serves (EN)	CT_ARCHIMATE_SERVES		Node (EN)
	Node (EN)	is composed of (EN)	CT_ARCHIMATE_IS_COMPOSED_OF		Device (EN)
	Node (EN)	is composed of (EN)	CT_ARCHIMATE_IS_COMPOSED_OF		System software (EN)
	Technology interface (EN)	serves (EN)	CT_ARCHIMATE_SERVES		Node (EN)
	System software (EN)	serves (EN)	CT_ARCHIMATE_SERVES		Node (EN)

1.6.4. Model graphics



SEMANTIC CHECKS

Semantic checks are modelling rules that can be checked automatically by ARIS Connect

- Can be defined by model type
- Can propose recommendations to the modeler
- Can be used as a first check in the Approval Workflow
- Can have a severity (Error / Warning / Info)
- Can be customized

SEMANTIC CHECKS

Different categories are existing :

- BPMN validation
- Attribute rules * (for models / objects / connections)
- Allocation rules *: checks existence of mandatory connections
- Assignment rules : checks existence of certain assignments
- Existence rules *: checks existence of objects in other diagrams
- Structure rules : check modeling principles in flows
- Custom rules...

SEMANTIC CHECKS

Examples of custom rules :

- Usage of objects from « approved » Library
- No orphan objects in models
- Content of models should be fully translated
- No more than 15 activities in a process model
- ...

SATELLITE MODELLING

- Content type configuration allows for a more intuitive / user-friendly experience for the Viewer and the Designer
- Several advantages and possibilities
 - Structure the information in folders
 - Present information based on symbol type
 - Display attributes / linked items / info coming from other models

SATELLITE MODELLING

Satellite modelling relies on « Content Type Configuration » for allowing the edition of a Context / Allocation Diagram directly from the superior model

⇒ This can be used, for example, if you want to link a risk to an activity, without putting that information directly in the Process model (EPC / BPMN / ...)

Limitation : can be used only for editing « inferior » Context models, not superior ones.

QUESTIONS ?

