



Reischmann Informatik GmbH

Berrschestrass 2

Munich, D-81245

Germany

Phone +49-89-829260-0

Fax +49-89-829260-25

E-Mail [info@reischmann.com](mailto:info@reischmann.com)

[www.reischmann.com](http://www.reischmann.com)

# TOOLBUS Interface for ARIS and Rational System Architect

Version 3

## Data Sheet

(effective June 2011)

## Function

The TOOLBUS Interface for ARIS and System Architect enables the migration of Data Models, Function Trees (Process Decompositions), Event-Process Chains (EPCs) and BPMN 2.0 Process Models from ARIS Business Architect to Entity Relation Models, Process Decompositions and Business Process Diagrams (BPMN Diagrams) in IBM Rational System Architect, and vice versa.

## Model Mapping

- IE Data Model Diagrams (Information Engineering Data Model), eERM Diagrams (extended Entity-Relationship Model), SAP-SERM Diagrams (Structured Entity-Relationship Model) and Attribute Allocation Diagrams are mapped to Entity Relation Diagrams in Rational System Architect, and vice versa.
- Function Trees are mapped to Functional Hierarchies in Rational System Architect, and vice versa.
- EPC Diagrams (Event-Process-Chain Diagrams) are mapped to Business Process Diagrams (BPMN) in Rational System Architect, and vice versa.  
Note: The extension of the TOOLBUS interface for migrating Process Diagrams (BPMN Diagrams) from Rational System Architect to ARIS BPMN 2.0 Process Diagrams is planned.

The layout of the diagrams is maintained in both directions.

## **Migration Process**

In order to migrate data and process models from ARIS to Rational System Architect, an ARIS Group (e.g. the Main Group) is selected and exported to a XML file (AML file), including the contained Groups. The ARIS XML export file is converted to a standard interface file called "TOOLBUS". Then a model conversion is done based on the TOOLBUS file in order to compensate the differences of the information models of ARIS and Rational System Architect, and a modified TOOLBUS file is generated. The TOOLBUS interface programs update the target Rational System Architect Encyclopedia by the API functions of Rational System Architect, using the modified TOOLBUS file as input source.

In order to migrate data and process models from Rational System Architect to ARIS a the Rational System Architect Encyclopedia is exported to a TOOLBUS file by a TOOLBUS program, which uses the API functions of Rational System Architect. Then a model conversion is done based on the TOOLBUS file in order to compensate the differences of the information models of Rational System Architect and ARIS, and a modified TOOLBUS file is generated. An ARIS XML import file (AML file) is generated from the modified TOOLBUS file.

## **Platform**

The TOOLBUS Interface for the ARIS and Rational System Architect requires Microsoft Windows 2000/XP/Vista/7. The interface supports ARIS Business Architect, ARIS IT Architect and the ARIS Toolset versions 6.2 to 7.2, and IBM Rational System Architect versions 9.0 to 11.4.