# The Integrated Energy and Communication Systems Architecture

# Volume III: Models

*Appendix A:*
*Electronic Attachments*

EPRI Project Manager

Joe Hughes

Cosponsor

Electricity Innovation Institute Consortium for Electric Infrastructure to Support a Digital Society (CEIDS)

EPRI • 3412 Hillview Avenue, Palo Alto, California 94304 • PO Box 10412, Palo Alto, California 94303 • USA
800.313.3774 • 650.855.2121 • askepri@epri.com • www.epri.com

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# Appendix A – Electronic Attachments

This section contains information on material produced for the IECSA project that is not easily viewed in printed document format, and is therefore only made available in electronic form. This includes source code for some of the tools used to import Use Cases into the MagicDraw™ UML tool as well as a customized report generation tool created for the MagicDraw™ UML tool. These tools are provided for reference only.

Also part of the deliverables is a complete copy of the MagicDraw™ UML tool IECSA database. This database is provided in its Native XMI format and was last saved from MagicDraw™ version 7.5 format. It should be forward compatible to newer releases of the tool.

Additionally, as was discussed in Volume I, there is a web-navigable version of the deliverables. This format includes some of the same materials that appear in the printed volumes and also contains an export of the UML database in web-navigable format. These materials are seamlessly integrated into a browsable website containing over 30,000 web pages and links. It is not intended to be printed or read in its entirety. Instead it serves as an electronic reference companion to the four volumes.

## Navigable Model

The Navigable Model is very large set of web pages that provides a very wide audience the ability to:

- Get an overview of the IECSA Project
- Understand the High Level Concepts of the IECSA Architecture Framework
- Browse the content and richness of the IECSA UML architectural models, which are integrated into the project recommendations and conclusions

The navigable model includes some of the same key information that is presented in the four volumes and additionally provides access to the UML database (including UML diagrams) in a web format.

An electronic copy of the Navigable Model can be downloaded from **HERE**.

The Navigable Model is available for viewing **HERE**. Please note, however, that this location is likely to change and EPRI should be consulted to find out where the latest copy resides.

## UML Database (XMI)

The IECSA UML model is viewable using commercial products from www.magicdraw.com. There are several options for viewing and utilizing the results.

- MagicDraw™ Reader – A free tool available for reading, printing, navigating and previewing the contents of the UML model.
- MagicDraw™ Personal Edition – Can manipulate the UML: model content.
- MagicDraw™ Standard Edition (and more advanced versions)– Provides capability of the Personal edition plus includes the collaboration capabilities of shared model development (Teamwork Server integration).

An electronic copy of the IECSA UML database saved in native XMI format is located **HERE**.

## Import Automation

This is a MagicDraw™ Plug-in - used to import IECSA use case into the MagicDraw™ tool. The source code is not needed for using the plugin but may be modified to enhance the capabilities of the existing plugin's functionality.

**Installation Instructions**

- Click the icon to download the associated file.
- Exit running copies of MagicDraw™
- Unzip the dtimport.zip into in the "plugins" directory of the MagicDraw™ Installation


dtimport.zip

**Source for the import plugin may be found here:**


dtimport-src.zip

## Report Automation

This is a MagicDraw™ Plug-in - used to generate much of the navigable model report. The source code is not needed for using the plugin but may be modified to enhance the capabilities of the existing plugin's functionality.

**Installation Instructions**

- Click the icon to download the associated file.
- Exit running copies of MagicDraw™
- Unzip the report.zip into in the "pugins" directory of the MagicDraw™ Installation


report.zip

**Source for the reporting plugin may be found here:**


report-src.zip