ENTERPRISE ARCHITECT

Unleash the power of
Information Exchange
with

⟨ N I E M ⟩ ™

NATIONAL INFORMATION EXCHANGE MODEL

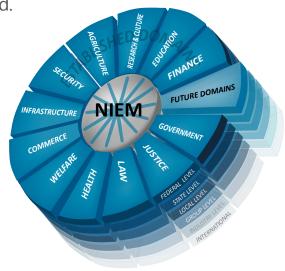Analyze
Harmonize
Publish
Exchange
Implement

SPARX
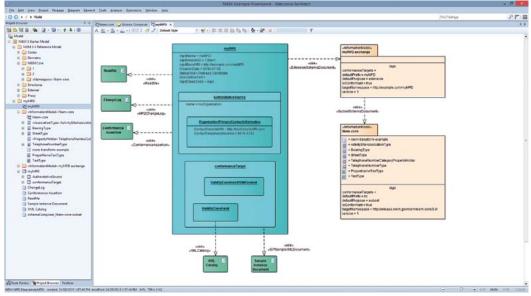SYSTEMS

National Information Exchange Model

NIEM is the XML exchange standard from which architects and developers build specifications for individual exchanges. Today it supports domains beyond those specific to the US Departments who initiated the standard.

Enterprise Architect Support for NIEM

- Enterprise Architect implements NIEM-UML a standardized method to support inter-organizational exchange of data, formatted and stored in compatible systems developed by the OMG.

- Enterprise Architect implements tools to simply build a NIEM exchange, saving time, reducing costs and increasing quality assurance.

- Includes NIEM core data elements critical to effective emergency response as these are commonly understood and facilitate the situational awareness of emergency response teams, such as Police, Ambulance and Fire etc,.

⟨ N I E M ⟩
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Enterprise Architect showing an IEPD

Building NIEM IEPDs with the Schema Composer

- An Information Exchange Package Document (IEPD) is a collection of artifacts (including XML schema) that define the content of a specific information exchange.

- Supporting both IT and Business requirements, IEPD's consist of XML schema documents that define instances of XML documents to tag and transport the information exchange, while also providing the business requirements such as business scenario documentation etc.

- Using Enterprise Architect's NIEM capability, IEPD models can be generated via the built-in pre-formatted model patterns, containing base exchange files, static artifacts, metadata and catalog files as a starting point for further customization.

- Alternatively, by using the Schema Composer within Enterprise Architect, end users can generate their own NIEM subset namespaces, automatically detecting inter-dependencies, with the resulting subset schema building the IEPD.

For more information see **www.sparxsystems.com/niem**

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