Enterprise e-Support, Inc.

# Nishkarsh National Information Exchange Model

## Personal Edition v1.1

Product Datasheet

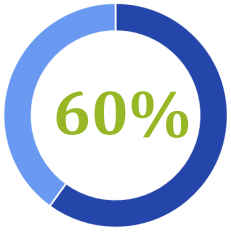
# Enterprise e-Support, Inc.

Mission Driven, Technology Enabled Solutions

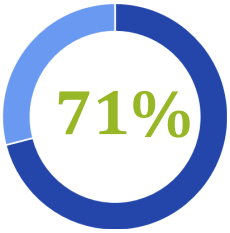
SBA 8(a) Certified, GSA IT Schedule 70, Contract #: 47QTCA18D00KL, GSA 8(a) STARS III, Contract #: 47QTCB22D0150

## Datasheet - Nishkarsh NIEM Personal Edition v1.1 Software

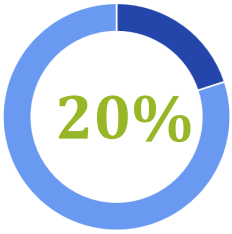
**Context | Discover | Share**




of CEOs do not trust their data[1]



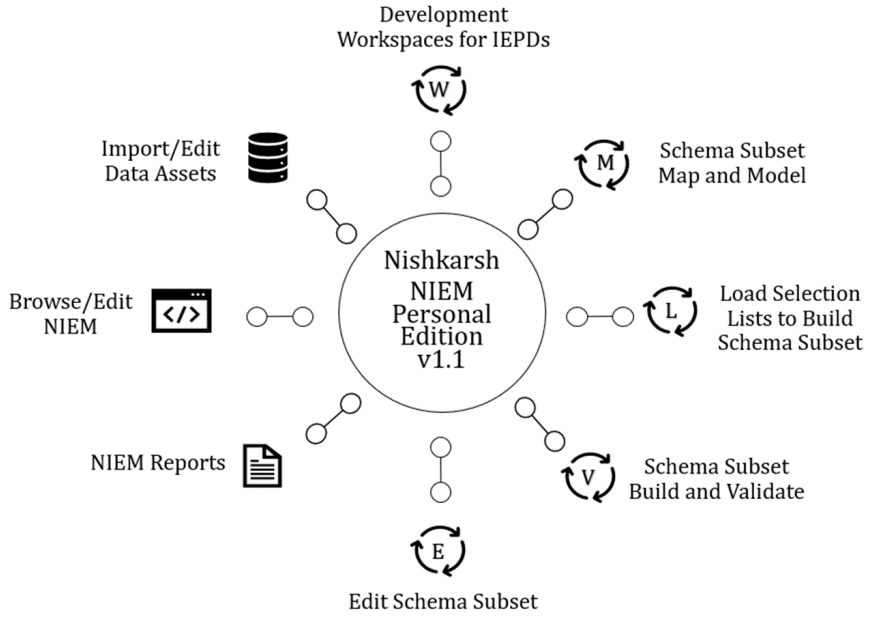

Worry about reputational risk[2]




Time spent looking for data[3]

In today's dynamic world of business, discovering and utilizing data is a major challenge faced by many organizations. Organizations need OnDemand capability to unlock and distribute enterprise data. The ability to democratize data within organizations and to distribute it to external partners for decision making provides a valuable competitive advantage. However, to unlock data and make it ready for consumption requires you to create a common understanding of your data. NIEM is a standardized data dictionary that can be used to provide such a common understanding for information exchange.

The Nishkarsh[4] National Information Exchange Model (NIEM) tool offers a simple GUI driven interface to its customers which aids in creating context to your data and helps distribute it to internal or external partners in a machine-readable format. The product offers a version of the NIEM dictionary built into the software that can be searched and NIEM elements mapped to imported data assets to build information




[1]KPMG 2017 Global CEO Outlook

[2]KPMG Market Research

[3]CrowdFlower 2016 Data Science Report (Figure Eight Inc.)

[4]Nishkarsh—The Result

## Features:

- Preloaded NIEM
- Search/Edit NIEM
- Import, Browse, Edit Data Assets
- Map Data Assets to NIEM
- Development Workspace for IEPDs
- Full Lifecycle Support for IEPDs
- NIEM Conformance Checks
- Reporting
- Built-in XML editor

## Benefits:

- Standard Vocabulary for Data
- Common Context for Data
- Persistent Data Assets to NIEM Mapping
- Machine-Readable Data Format
- Validate Information Exchanges
- End-to-end Support for NIEM Processes
- Platform Agnostic (Window, Linux, Mac OS)
- Out of the Box Start
- Low Cost Personal Edition

# Features:

## Preloaded NIEM

The latest version of NIEM is available out-of-the-box. Older versions of NIEM can be loaded into the software upon request. Only one version is available at a time.

## Search/Edit NIEM

The software provides ability to search individual NIEM domains or search through all NIEM domains. It further provides the ability to add and remove NIEM elements.

## Import, Browse, Edit Data Assets

The ability to import data assets provided via CSV files. It further provides ability to view and edit data assets.

## Map Data Assets to NIEM

The ability to associate a data asset partially or fully to a NIEM type or property.

## Development Workspace for IEPDs

The ability to organize all document such as scenario planning, requirements analysis and generated schema subsets in a folder structure.

## Full Lifecycle Support for IEPDs

The ability to step through planning, analysis, building/ loading of selection list, schema subset generation, editing and validation.

## NIEM Conformance Checks

The ability to validate schema subset using reference/ extension conformance targets.

## Reporting

The ability to create reports that list mapped and unmapped data assets to NIEM.

## Built-in XML Editor

The ability to edit schema subset once generated using built-in XML editor.

# Benefits:

## Standard Vocabulary for Data

NIEM prescribes common vocabulary to help consumer organization understand provider's data.

## Common Context for Data

NIEM prescribed types and properties once mapped to data provides context to understand data.

## Persistent Data Assets to NIEM Mapping

Organization's data can be mapped to NIEM types and properties to persist to be reused when generating information exchanges in future.

## Machine Readable Data Format

The data shared along with schema subset is machine readable to validate and consume.

## Validate Information Exchange

The NIEM conformance targets are in-built to validate schema subsets.

## End-to-End Support for NIEM Processes

The ability to manage NIEM and to enable full Information Exchange Package Documentation lifecycle to plan, analyze, select elements, build and validate schema subsets.

## Platform Agnostic (Windows, Linux, Mac OS)

The ability to use NIEM on Windows, Linux and Mac operating systems.

## Out of the Box Start

All information such as NIEM version, development workspace folder structure, elements selection, schema subset generation, editing and validation of schema subset are available for use OOTB.

## Low Cost Personal Edition

Personal edit is a per seat licenses available on desktop and brings all NIEM capabilities to the developer at a low cost. The software use may also be available for a trial period.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# Nishkarsh NIEM: Product Capabilities

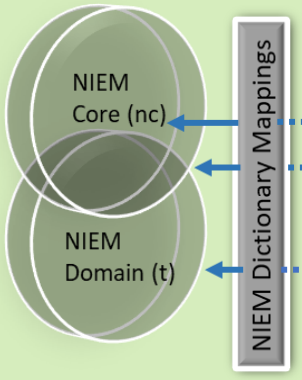
## NIEM Program

| Processes | Product Capabilities |
|---|---|
| • Expand NIEM Core/Domains<br>• Extend NIEM Process Guidance | • Model Browsing/ Expansion (of Reference Schema)<br>• Planning, create selection list and schema subset building, and validation |

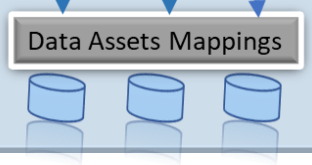
## NIEM Community

| Processes | Product Capabilities |
|---|---|
| • Map Data Assets to NIEM<br>• Build and validate schema subset (full IEPD lifecycle). | • Model Browsing/Expansion (of Extension Schema)<br>• Mapping Data Assets to NIEM<br>• Planning, create selection list and schema subset building, and validation |

| NIEM Core | NIEM Domain |
|---|---|
| nc:ssn | |
| nc:vc | t:vc |
| | t:event |




| Agency Element | Comments |
|---|---|
| Social | Social is agency element and it is Mapped directly to NIEM Core |
| VT | VT is agency element and it is mapped to t:vc which inherits from nc:vc |
| Event | Event is agency element and it maps directly to NIEM transportation domain |




# Nishkarsh NIEM PE 1.1 Sample Screenshot:

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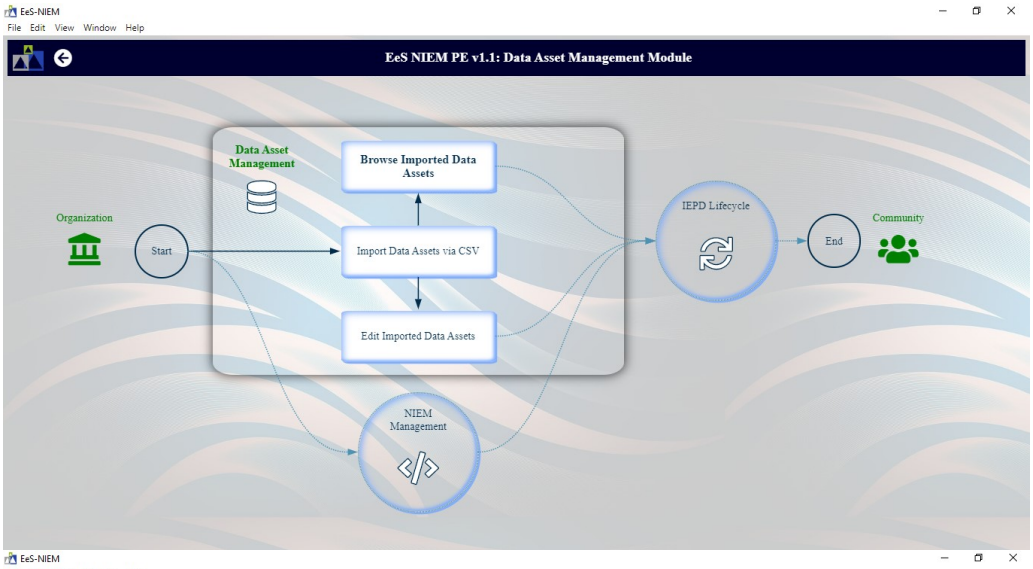


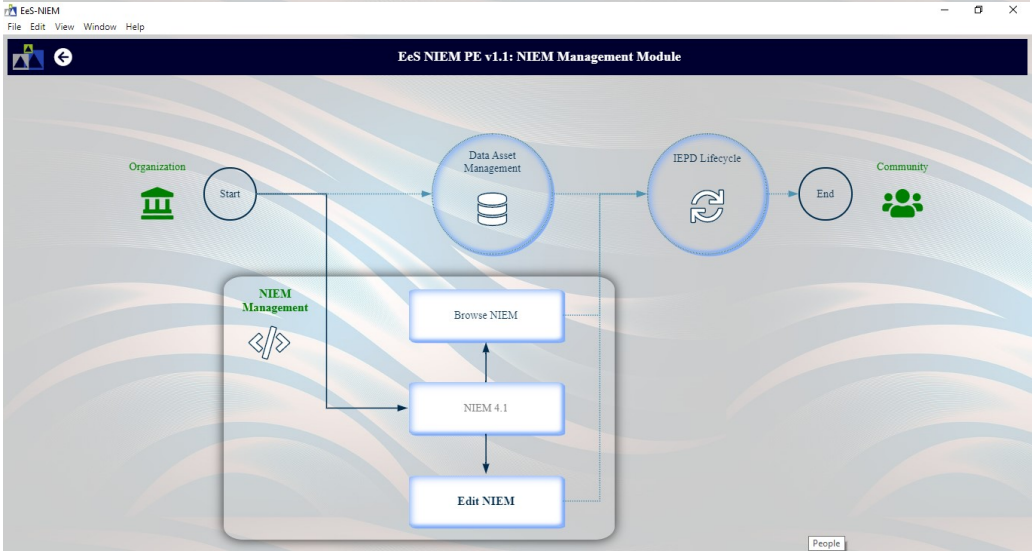


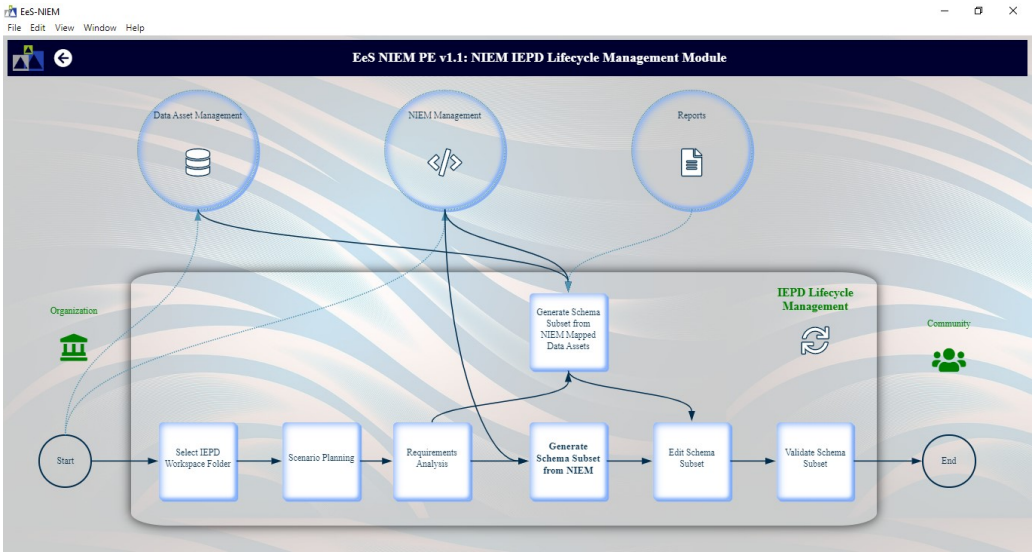

# Enterprise e-Support, Inc.

## Nishkarsh Family of Products

| Sr # | EeS Data Products | Capability Offered | Self Service for Decisions | Mind map IT for Transformation | Data Exchange Services | Request Datasheet | |
|---|---|---|---|---|---|---|---|
| | | | | | | Detailed | Summary |
| 1 | Nishkarsh EIM - Data Assets Catalog | Self Service: Visibility of data assets | Users, Data Governance | | | x | x |
| | | Self Service: Understanding of data assets | Users, Data Governance | | | | |
| | | Self Service: Query data | Users, Data Governance | | | | |
| 2 | Nishkarsh EIM - Portfolio Catalog | Mind map: Impact Study | | IT Management, IT Governance | | x | x |
| | **Nishkarsh NIEM - Data Exchange** | **Data Exchange: Use of NIEM Common vocabulary** | | | **Developer, App Users** | **x** | x |

Download datasheets and/or request information at https://enterpriseesupport.com/products/