

NRS Standards for Modeling with EA - Requirements Release Version 5.0.0

Contacts

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1. Introduction

The *NRS Standards for Modeling in EA – Requirements v5.0.0* manifests a new direction incorporating lessons learned within the ISSS framework development environment and feedback from project teams engaged in delivering Sparx EA models for the requirements and design phases.

V5.0.0 delivers the following:

- Simplification in the approach to model development
- Provides clear, definitive direction (mandatory, optional) on deliverables
- Minimizes repetitiveness, prescriptiveness
- Removes ‘how-to’ guidelines and approaches (where feasible)
- Reduces ‘customizations’ of the template
- Enables simplified business communication through a revised, streamlined custom BPRD
- Ties-in to SDLC to ensure ability to accommodate diverse frameworks – waterfall, iterative, agile

2. Changes

Changes	New Package Name
Section 1 & 2 (Introduction & Overview of Deliverables and Standards) minimized	Introduction
Section 3 (System Overview) broken out to requirements and design, and change to business requirements approach (3.2, 3.4); Non-Functional requirements to be referenced via xmi for ISSS environment; creation of an external readme file; steps on how to import into model provided	Overview Business Process Models <optional> Business Requirements
Section 3.3 (Business Rules) streamlined	Business Rules
Section 3.4 (Use Cases) Revised to Functional Requirements, and either UML or BPMN diagrams for business process models dependent on complexity of the project and solution; Business Use Cases are optional in requirements	Business Requirements

Changes	New Package Name
Section 3.5 (Data Model) Logical data model (sparse) in requirements only; data replication, conversion, archiving in 'data requirements' in system overview of requirements in text (Overview); no domain data model required	Logical Data Model
Section 3.6 – (System Design) wireframes pulled forward as an option	Wireframes <optional>
Section 3.8 (Security) – Requirements components moved out of standard through a FAQ. Will be handled outside of model except for 2 design phase components	
Section 3.10 (Test Model) – moved out of requirements standard	
Section 3.11 (Traceability) – streamlined to 3 key – optional – traceability links	Traceability <optional>
Section 3.12 (Additional Information) – removed from standard; May be optionally created as a supporting doc for the project	
Section 3.13 (Sign off) QA a new documented process outside of standard on FAQ; Sign off process as per PMO – no longer part of model nor standard	
Section 3.14 (Document Generation Package) clarified, renamed; BPRD report extract streamlined to communicate with business; SRS for comprehensive extract of model contents; templates cleaned up	Generate Documents (BPRD, SRS)
Section 4 (Submitting Deliverables) removed from standard – will be a new Submission of Deliverables doc on FAQ site	
Appendices – all – removed. Majority will go to central FAQ location if still applicable; Test Model will be looked at for refactoring for Build Phase	

3. What Projects Should Move to the new v5.0.0 Requirements Standards?

- i. All net new projects starting the Requirements Phase in Fiscal 2017/18.
- ii. For project teams already in execution of the requirements phase there is an advantage to move to new v5.0.0.
 - If the project team is using BPMN and is elaborating requirements into the 3rd level, we recommend the project team continue with their current template.
 - If the project team is well into defining a Domain Model, we suggest they continue with the current release of the standard.
 - If the project team is in the early stages of BPMN definition, and they need some help, it is highly recommended that they move to the new standard as it is less complex. This would be facilitated by the [Sparx EA Working Group](#).
 - If the project team hasn't yet started the Logical Data Model in requirements of the current standard, it is recommended that they transition to the new Requirements standard.

- iii. Where direction is required the [Sparx EA Working Group](#) will meet with the team and will assess their model.
- iv. If project teams have completed Requirements and are moving into Design they should upgrade to v5.0.0 of the NRS Standards for Modeling with EA – Design.
 - o For these project teams, their current model will be archived, and they can copy over the appropriate folders from the current template to the new v5.0.0 template
- v. If a project team has completed requirements previously in an older version of the standard and those requirements were then shelved, and are starting back up to redo some of the Requirements Phase work, they should upgrade to v5.0.0 of the NRS Standards for Modeling with EA-Requirements.
- vi. If your project is a phased or component based project, and you have only partially completed it, it is recommended you consider moving to the v5.0.0 standard and template. There is more support for versioning within the new model and standard.
- vii. If your project team has undergone a change in vendors, and you have a new vendor working on your project, it is recommended that you follow up with [Sparx EA Working Group](#) for support.
- viii. Individual recommendations for each project team have been assessed and is provided in the below table:

Project Name	NRPP/IMB	V5.0.0 Recommendation
MMRASI	IMB	Continue on in v3.5 as is, but drop section 3.10 (Test Model) to reduce workload. (Coal Titles, Inspector Tools)
Natural Gas Pricing System (Iteration 3)	IMB	Migrate to v5.0.0 as it supports iterative cycles
Compliance & Enforcement	IMB	Migrate to new version as project has been shelved for a period of time and is restarting with potential changes.
Wildfire One	IMB	Depends on where the project team is in Design. Follow up with SEA WG for clarification or refer to Release Notes.
NRRA	IMB	Depending on where in Design team is at, continue on in v3.5 as is, but drop section 3.10 (test Model) to reduce workload. Note: please consult with AWG if decision is made <u>to state design of status common component</u> .
CLTSCI	IMB	Depends on where the project team is in Design. Follow up with SEA WG for clarification or refer to Release Notes.
TFNCI	IMB	Depends on where the project team is in Design. Follow up with SEA WG for clarification or refer to Release Notes.
ISM	IMB	Depends on where the project team is in Design. Follow up with SEA WG for clarification or refer to Release Notes.
Common Client NRS Client Service	NRPP	Migrate to v5.0.0
Common Finance NRS RRM: Revenue & Receivables Management	NRPP	As this project is starting design, recommended they migrate to v5.0.0
Core Services	NRPP	Migrate to v5.0.0
NoW	NRPP	

Project Name	NRPP/IMB	V5.0.0 Recommendation
		Before any further work is undertaken, recommended this project should migrate to v5.0.0
Archaeology	NRPP	Continue on in current version as is, but drop section 3.10 (Test Model) to reduce workload.
Forestry – Cutting Permits Pre-Issuance; Post-Issuance	NRPP	Cutting permits aligning with NRRA (Design extended into June) It is important that these 2 are aligned. If in v4.0 – stay in current version. Drop section 3.10 (Test Model) to reduce workload.
Water Name Change - Phase IV	NRPP	This project is recommended to migrate to the v5.0.0 in Fiscal 17/18.
Public Review & Comment	NRPP	Use V5.0.0 once team starts requirements
Crown Lands Re-platforming	NRPP	Migrate to V5.0.0 – to cut down on testing requirements.
OLTC	NRPP	Migrate to v5 before moving to design

4. Template Migration

Moving Artifacts

Vendors may use whatever methods they like to move their requirements into the new template (i.e. export/import, drag/drop).

Please refer to the [“Transferring Documentation Components Between Projects in EA”](#) FAQ (Frequently Asked Questions) on the Sparx Enterprise Architect Working Group SharePoint site for more information on how to move around artifacts within EA.