



A New Governance Plan for the Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE)

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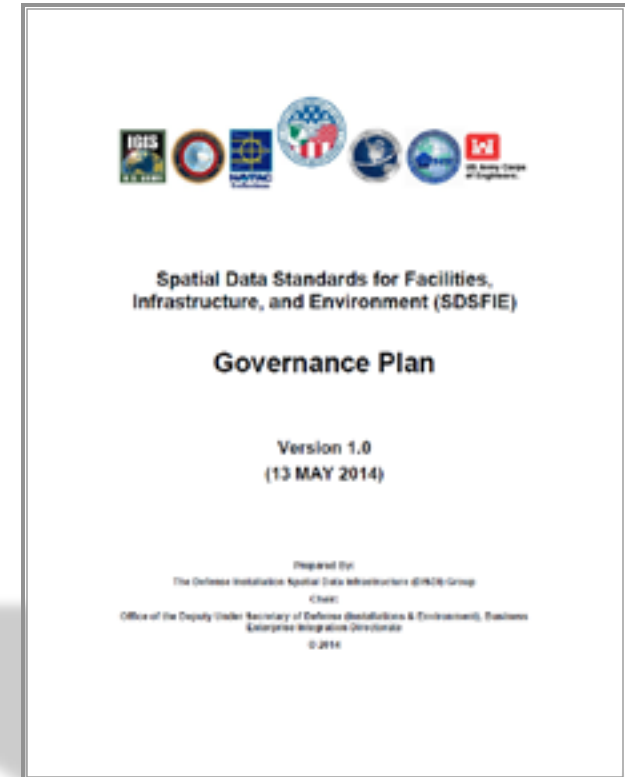
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Agenda

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- Outline of the Plan
- Introduction, Scope, Applicability
- Major Objectives
- SDSFIE Governance Processes
- Questions





SDSFIE Governance Plan - Outline

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| | | | |
|--------------------------|---|---------|-----------------------------------|
| Executive Summary | | | |
| 1 | Introduction | | |
| 1.1 | Purpose and Applicability | 3.3.1 | Governance |
| 1.2 | Scope | 3.3.2 | Standards Management |
| 1.3 | References | 3.3.3 | Documentation |
| 1.4 | Acronyms | 3.3.4 | Change Management |
| 1.5 | Document Maintenance | 3.3.5 | Implementation |
| 2 | Overview of SDSFIE: What and Why | 3.4 | Processes |
| 2.1 | SDSFIE Online Definition | 3.4.1 | Document Approval Process |
| 2.2 | SDSFIE Goals | 3.4.2 | Standards Requirements Process |
| 2.3 | Definition of Interoperability | 3.4.3 | DISDI Group Consensus Process |
| 2.4 | SDSFIE Guiding Principles | 3.4.4 | New Version Processes |
| 3 | Governance | 3.4.5 | Adaptation Processes |
| 3.1 | Context | 3.4.6 | Implementation Scoring Process |
| 3.2 | Roles and Responsibilities | 3.4.7 | Change Management Process |
| 3.3 | Objectives | Annex A | SDSFIE Interoperability Framework |
| | | Annex B | DISDI Governance Namespace |
| | | Annex C | BPMN Quick Guide |



Opening Thoughts

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- The SDSFIE Governance Plan radically redefines SDSFIE
- What you knew as “SDSFIE” is now just one of seven parts
- All MILDEPs contributed to and approved the plan in its final form on 13 May, 2014
- Incorporates original SDSFIE vision and goals, as well as existing guidance

Evolution of the SDSFIE Governance Plan:

- 2006: 5 yr plan adopted
- 2009: SDSFIE Implementation Strategy
- 2010: SDSFIE 3.0 released
- 2011: Guidance for Adaptation
- 2013: SDSFIE 3.1 released
- Feb 2013: SDSFIE Governance working group (first meeting)
- Apr 2014: Final draft of SDSFIE Governance Plan
- May 2014: DISDI Group adopts the plan (version 1)



Introduction

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- Purpose and Applicability
 - Defines SDSFIE as a family of standards
 - Describes the roles, responsibilities, governance objectives, and processes used to guide development and implementation
 - Applies to the I&E and USACE Civil Works communities
- Scope
 - Covers all “parts” of the SDSFIE family of standards
 - Covers SDSFIE Online web site (implementation support tool)
 - Defines governance context
 - Defines organizational roles and responsibilities
 - Presents governance objectives and the processes used to meet them



What is SDSFIE?

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- The Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) *are a family of IT standards (models, specifications) which define a DoD-wide set of semantics intended to maximize interoperability of geospatial information and services for installation, environment, and civil works missions.*
- The SDSFIE family consists of 7 parts
- SDSFIE Online: a web-centric interface that enables users to access documentation, participate in functionality and utilize tools that support the goals of the SDSFIE family of standards.



The SDSFIE Family of Standards

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1. **SDSFIE Vector (SDSFIE-V):** This is the vector data model which current users recognize as “SDSFIE”, including the most recent versions 2.6, 3.0, and 3.1. This includes the current *SDSFIE Specification Document*, as well as the current “Gold” Logical Data Model and all Component HQ-level Adaptation Logical Data Models.
2. **SDSFIE Metadata (SDSFIE-M):** SDSFIE-M is a Class-2 profile of ISO 19115 and ISO 19115-2. Extensions to ISO 19115 adopted by DoD via the National System for Geospatial Intelligence (NSG) Metadata Foundation (NMF) are included, as are extensions from the North American Profile of ISO 19115 (NAP). SDSFIE-M will be updated in the future to be a Class 2 profile of ISO 19115-1, 19115-2, and 19115-3.
3. **SDSFIE Raster (SDSFIE-R):** *This is a “to be” specification* of collection and format requirements, as well as best practices for all forms of raster data (imagery, elevation, etc.).
4. **SDSFIE Data Quality (SDSFIE-Q):** *This is a “to be” document* (or set of documents) specifying the data quality measures for SDSFIE-V, SDSFIE-R and the reporting of these data quality measures via SDSFIE-M.



The SDSFIE Family of Standards (cont.)

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5. **SDSFIE Portrayal (SDSFIE-P):** *This is a “to be” document* (or set of documents) specifying the presentation of geospatial information to humans. These may include map portrayal, symbology, or related encoding specifications.
6. **SDSFIE Services (SDSFIE-S):** *This is a “to be” document* (or set of documents) specifying a distinct part of geospatial functionality that is provided by an entity through information technology-based interfaces (for example, web service interfaces).
7. **SDSFIE Endorsed Standards (SDSFIE-E):** *The “to be” collection* of consensus specifications, standards, models, and publications pertaining to geospatial information and services developed and managed by organizations other than the DISDI Group, but which are vetted and endorsed by the DISDI Group and are recommended for use across all DoD installation, environment, and civil works missions.



Objective 3.3.1 - Governance

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- Ensure that effective SDSFIE governance exists, is followed, and is in alignment with DoD policy and with OMB Circular A-119, Federal Use and Development of Voluntary Standards. SDSFIE governance will be defined by openness, balance of interest, due process, appeals, consensus, and accountability.
- Sub-Objectives
 - Roles and Responsibilities
 - Objectives
 - Processes



Objective 3.3.2 - Standards Management

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- Ensure that the SDSFIE family of standards meets the needs of the stakeholder community, conforms with DISR mandates, and otherwise relies upon voluntary, consensus standards from domestic and international organizations (such as the Open Geospatial Consortium (OGC) and the International Standards Organization (ISO)).
- Sub-objectives:
 - Requirements
 - Gap Analysis
 - Alignment



Objective 3.3.3 - Documentation

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- Ensure that SDSFIE is fully documented and understandable to the stakeholder community.
- Sub-objectives:
 - Documents and Artifacts
 - Standards Registration
 - DISDI Governance Namespace



Objective 3.3.4 - Change Management

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- Ensure that SDSFIE meets DISDI Group requirements through a defined and accountable change management process.
- Sub-objectives:
 - Internal Standards Changes
 - External Standards Changes
 - Changing Part of the SDSFIE Family of Standards
 - Version Creation



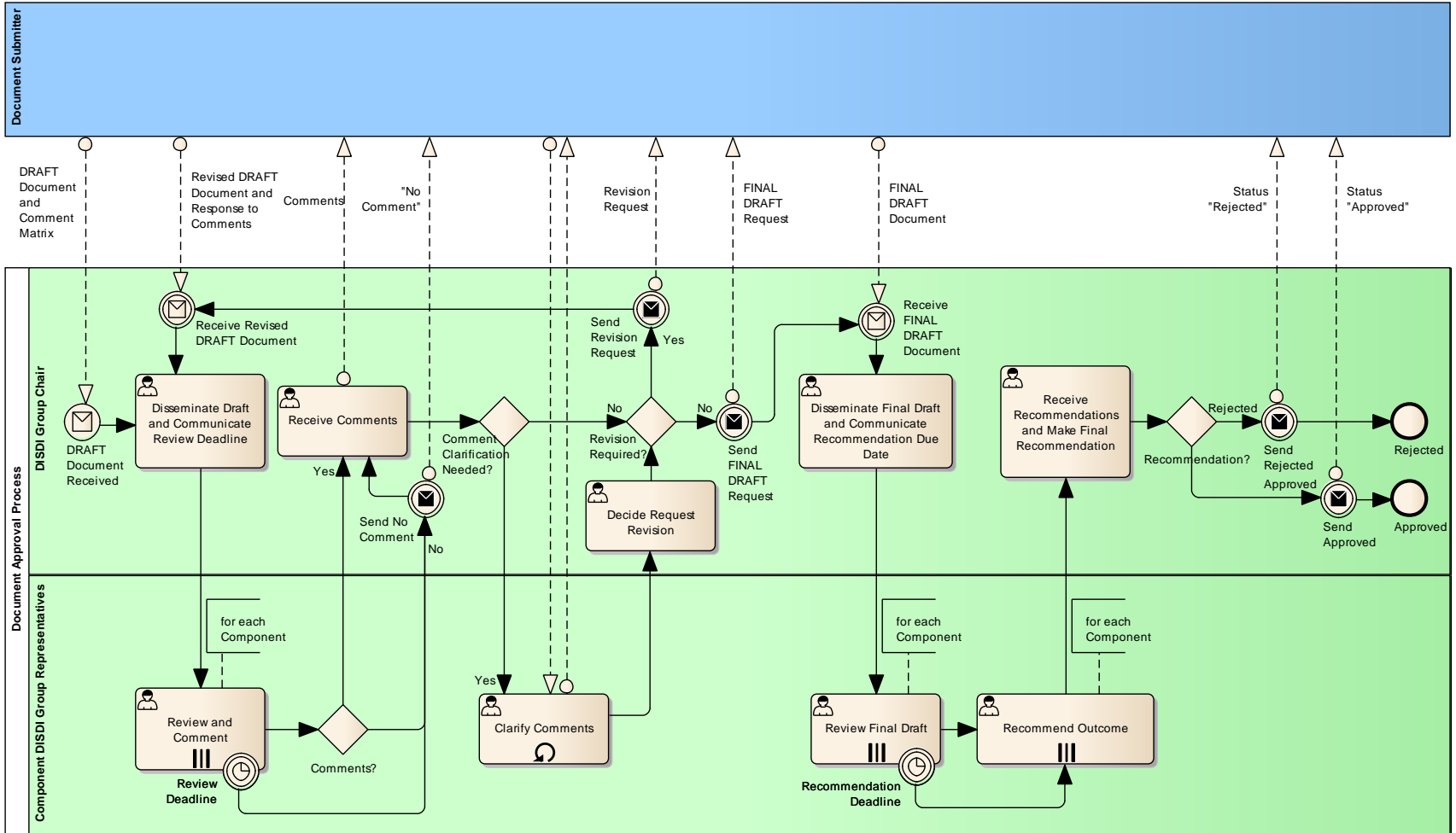
Objective 3.3.5 - Implementation

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- Maximize the timely implementation of SDSFIE across the enterprise.
- Sub-objectives:
 - Standards Flexibility
 - Versioning Lifecycle
 - Implementation Guidance
 - Component Implementation Plans
 - Implementation Scorecard
 - Implementation Support
 - Training
 - Outreach
 - SDSFIE Online

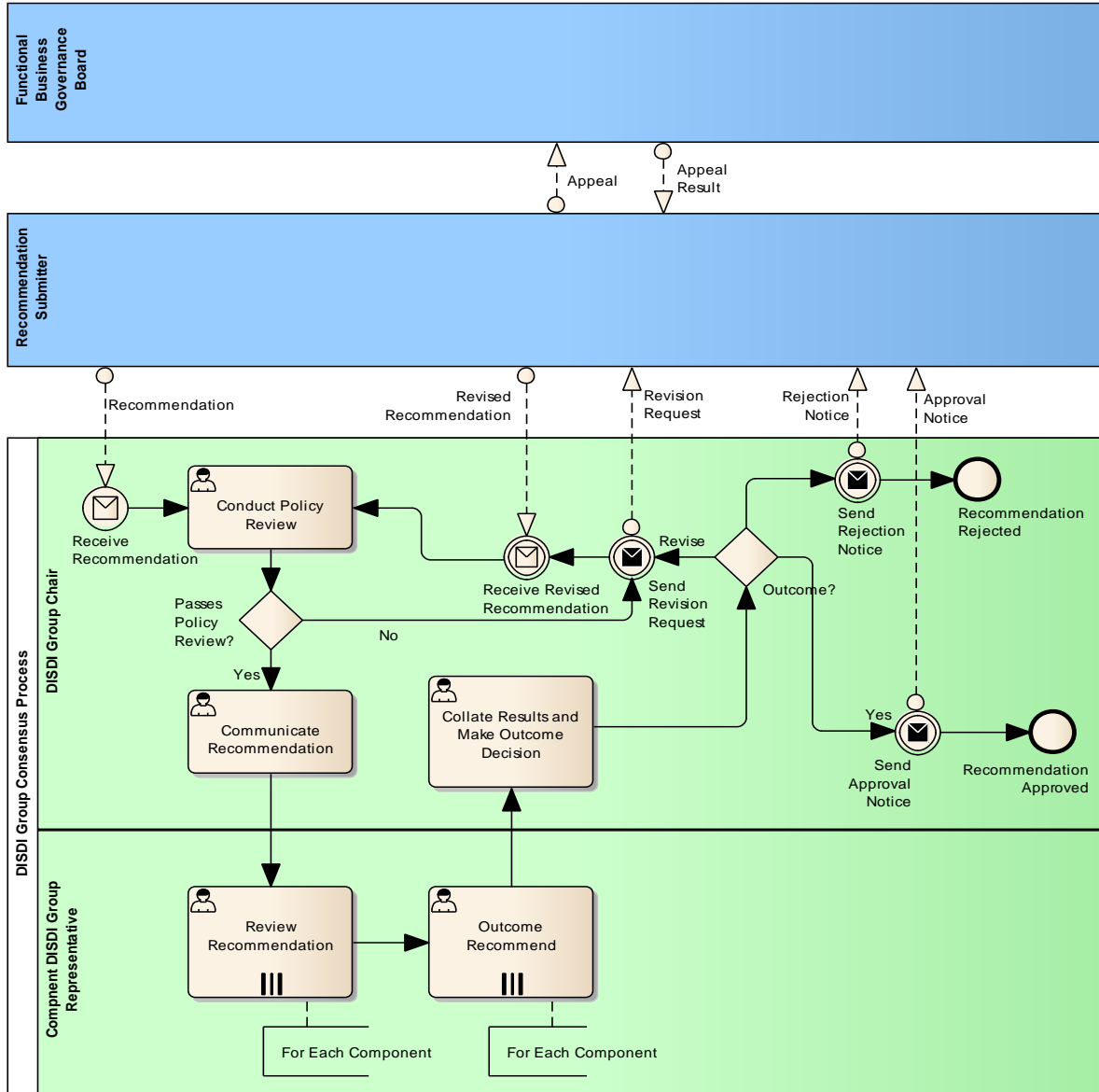


Document Approval Process





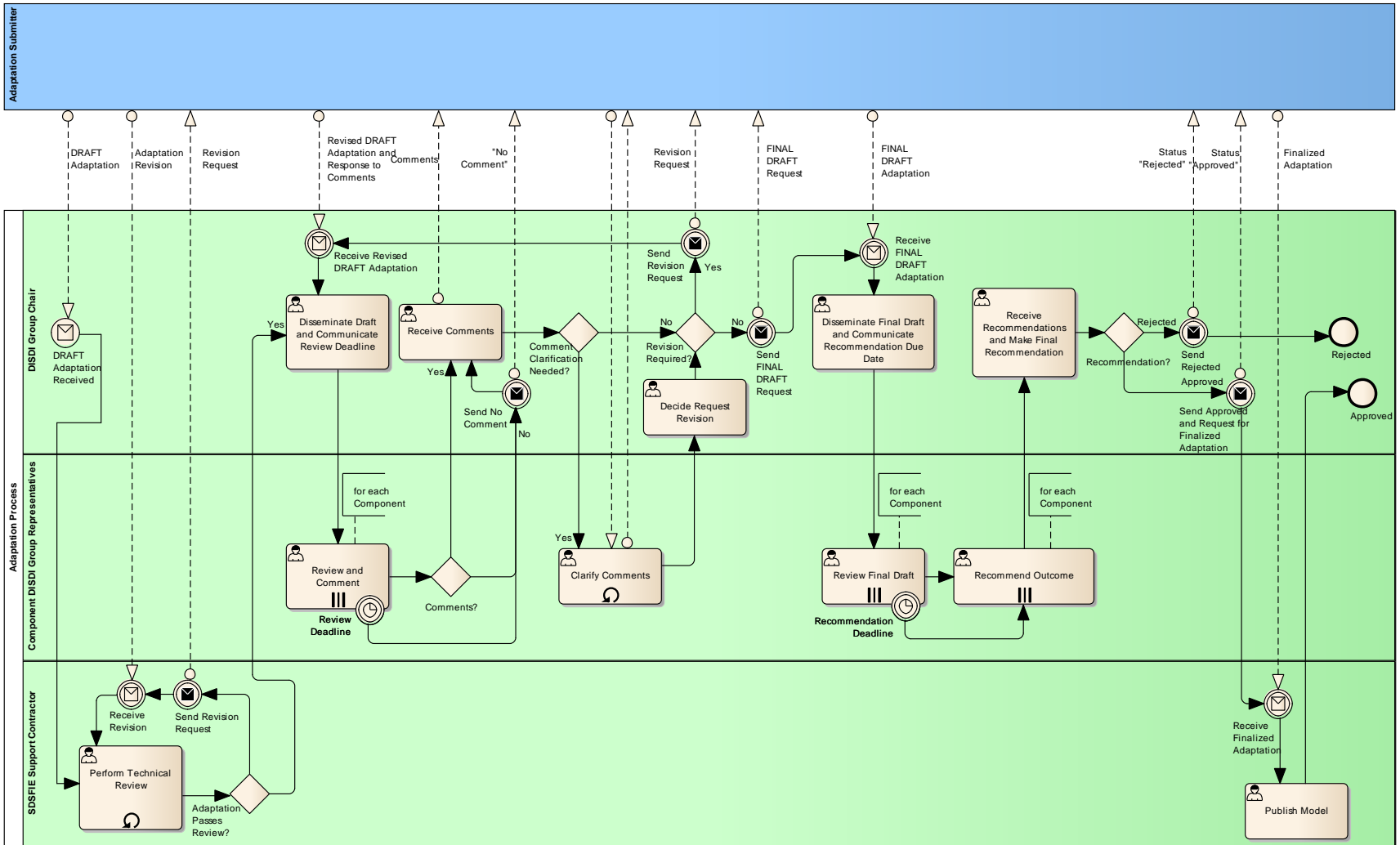
DISDI Group Consensus Process





Adaptation Process

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Other Process Diagrams

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- Standards Gap Resolution Process
- New Version Processes
- Implementation Scoring Process
- Change Management Process



Next Steps

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- Version 2 is already in development
- Adaptation Guidance needs to be updated
- Change Management Process needs to be updated
- SDSFIE Parts need more definition, development
- Stay tuned to SDSFIE Online for updates and changes

- Possible Annexes:
 1. SDSFIE Interoperability Framework
 2. Adaptation Guidance
 3. Change Management
 4. Working Group charters
 5. Requirements and standards gaps
 6. List of external standards (SDSFIE-E)
 7. Implementation scorecard



Questions?

The SDSFIE Governance Plan can be downloaded at SDSFIE Online:

<http://www.sdsfieonline.org/>