

# *Global XML Structure Task Force*



## **Global Justice XML Data Model Naming and Design Rules**

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**17 August 2005**



# Outline

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- Current status
- Inputs / influences
- What this spec is / is not
- Schedule
- Table of contents
- Introduction and scope
- Principles
- Rules
- Comparison to other NDRs

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# Current Status

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- Still being vetted by Global XSTF, not yet undergone the debate process
- Primary focus is currently on rule accuracy against 3.1
- Final draft will specify release version 3.1 (31 Oct 2005)
- Anticipate NDR rule modifications/refinements and new rules
- Anticipate changes to GJXDM
- Work remaining:
  - new content (definitions and rules)
  - explanations
  - examples
  - revision of relationships
  - other conformance profiles



# Inputs and Influences

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- Inputs:
  - GJXDM
  - OASIS LegalXML IJ TC GJXDM draft MNDR
  - Fed-XML-NDR Working Group draft NDRG
  - OASIS UBL NDR
  
- Influences:
  - NIEM Steering Committee
  - Federal Enterprise Architecture
  - IJIS Institute
  - OASIS LegalXML Integrated Justice TC
  - National Center for State Courts
  - Federal XML NDR Working Group

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# What Spec Will Do or Be

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- Product of the Global XSTF
- Technical specification for GJXDM 3.1
- Specify how GJXDM \*IS\* actually defined
- Format as close as possible to the UBL NDR document (as appropriate)
- Use/copy appropriate wording from other NDR documents (inputs)
- Will include:
  - definitions
  - principles
  - rules, rationales, and explanations
  - examples for rules

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# What Spec Will **NOT** Do or Be

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- NOT a projection of UBL on GJXDM
- NOT a comparison of UBL and GJXDM
- NOT a methodology for building Information Exchange Package Documentation (IEPDs)  
(i.e., NOT an “MNDR” – Methodology, Naming, and Design Rules)

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## Schedule (tentative)

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- 15 Jul Internal Draft 1 XSTF review/comment
- 8 Aug Internal Draft 2 XSTF review/comment
- 23 Aug External Draft 1 review

...

expect about 3 more drafts leading to ...

- 31 Oct Target GJXDM release v3.1



# Table of Contents

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- Introduction
- Scope
- Principles
- Relation to standards
- Normalized structure
- Schema rules
- Annotation rules
- Subset rules
- Instance rules
- Supporting Schemas
- References





# Introduction

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- Background (very concise)
- Audience
- Brief description of reference architecture
- Scope
- Document conventions

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# Scope addressed

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- Specification for GJXDM 3.1
- Focused on definition of
  - GJXDM-conformant schemas
  - GJXDM-conformant reference schemas
  - Subsets
  - Documentation
  - GJXDM-conformant instances



# Principles

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- Principles guide creation of rules
- Some principles are design criteria
- Only rules are binding (enforceable)
- Format: [Principle <number>]
- Currently 22 principles



# General Rule Format (example)

Explanation ...

[Rule GNR2] GJXDM-conformant schemas SHALL use the representation term "Type" in the name of each non-enumerated XML type.

Rationale Using the representation term "Type" immediately identifies XML types in a GJXDM-conformant schema and prevents naming collisions with corresponding elements and attributes.

Example ...



# Rule Categories

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ATD: Attribute Definition

ATN: Attribute Naming

CSR: Constraint Schema

CTD: Complex Type Definition

DOC: Documentation

GNR: General Naming

GXS: General XML Schema

IND: Instance Document

SSR: Subset Schema

STA: Standards

STD: Simple Type Definition

STR: Structures

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# References

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- Citations and URIs for source specs
- XML specifications
- RFCs
- Schema for XML Schema
- EBNF notation



# Survey of NDRs

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- OASIS IJTC GJXDM draft MNDR:
  - 100 Rules
  - 37 Definition
- Federal XML draft NDRG (to date):
  - 10 Principles
  - 159 Rules
- GJXDM draft NDR (to date):
  - 22 Principles
  - 110 Rules
  - 5 Definitions

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# Summary

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- Content development continues
  - anticipated content (explanations, examples)
  - new content (omissions, changes)
- XSTF vetting continues
  - 170 comments databased for 1<sup>st</sup> draft
  - debate, refine, reach consensus
  - relationships
  - non-conforming schemas
- External vetting as soon as possible
- Changes moving to GJXDM 3.1
- Impact of NIEM
- *Change is the only certainty* [Marcus Aurelius]

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