DONXML Schema Checklist

The purpose of this checklist is to help developers create schemas that comply with Version 1.1 revised of the DON XML Developer's Guide. The guide contains more detail on the items noted in this checklist. Items in this checklist are designated according to their requirements level (MUST, SHOULD) and reference the appropriate section of the Developer's Guide.

For more information about the efforts of the DON XML Work Group or to view the latest version of the Developer's Guide, visit the Department of the Navy XML Quickplace (https://quickplace.hq.navy.mil/navyxml). For more information about DONXML Work Group, the Developer's Guide, or this checklist, please contact us at DONXML@hq.navy.mil.

Schema Name:		Date:	
Organization:		Checked by:	

1. Schema Header

❑	Schema header present with metadata		MUST	Section 7.3.2
	❑	Schema Name	SHOULD	Section 7.3.2.1
	❑	DoD Namespace(s)	SHOULD	Section 7.3.2.1
	❑	Navy Functional Data Area and URL to DMI document that defines that area	SHOULD	Section 7.3.2.1
	❑	URL to most current Schema version	SHOULD	Section 7.3.2.1
	❑	References to other Schemas (imported or included) to include DoD Namespace and version Schema file name, and URL	SHOULD	Section 7.3.2.1
	❑	Description of schema purpose	SHOULD	Section 7.3.2.1
	❑	Application or program of record name that created and and/or manages the schema	SHOULD	Section 7.3.2.1
	❑	Application or program of record version	SHOULD	Section 7.3.2.1
	❑	Short description of the application interface that uses the description (a URL reference to a more detailed interface description may be provided)	SHOULD	Section 7.3.2.1
	❑	Developer point of contact information that includes activity, name and email	SHOULD	Section 7.3.2.1
	❑	Change history log that includes change number, version, date and change description	SHOULD	Section 7.3.1.2
	❑	Version attribute used	MUST	Section 7.3.1.2
❑	Comments included throughout schema		MUST	Section 7.3
❑	No specific application Metadata		MUST	Section 7.2.3.1

2. XML Components (Attributes, Elements and Types)

If derived from DoD registry entry has following metadata

❑	Definition	SHOULD	Section 7.1.3
❑	URL to item	SHOULD	Section 7.1.3
❑	Registry identifier	SHOULD	Section 7.1.3
❑	Includes all domain restrictions except enumeration lists	SHOULD	Sections 7.1.3 & Section 7.2.3.1

3. Acronym and Abbreviation Usage

❑	Acronyms and abbreviations used are commonly known	MUST	Section 7.1.2
❑	Acronyms in all upper case only	MUST	Section 7.1.2
❑	Acronyms and abbreviations defined	MUST	Section 7.1.2
❑	Acronyms and abbreviations source referenced	SHOULD	Section 7.1.2
❑	For Elements and Attributes: Limited use of acronyms and abbreviations	SHOULD	Section 7.1.2
❑	For Schema Data Types: No Abbreviations	MUST	Section 7.1.2

4. For Elements

❑	Upper camel case name		MUST	Section 7.1.1
❑	No domain restrictions except enumeration lists (come from Type)		SHOULD	Section 7.2.3.1
❑	Large code list referenced vice enumerated		SHOULD	Section 7.2.3.3
❑	Name is Common Business term or ISO 11179 name		SHOULD	Section 7.1.3.1 & Section 7.1.3.2
	❑	*If Business term:* Includes ISO 11179 reference	SHOULD	Section 7.1.3.1
	❑	*If non-compliant equivalent DoD element exists:* Element with DoD element name	SHOULD	Section 7.1.3
❑	Substitution group for element with Business term or ISO 11179 name		SHOULD	Section 7.1.3
❑	Includes definition		MUST	Section 7.2.3.2

5. For Types

❑	Upper camel case name	MUST	Section 7.1.1
❑	ISO-11179 Name	SHOULD	Section 7.1.3
❑	Includes definition	MUST	Section 7.2.3.2

6. For Attributes

❑	Only used to provide metadata for element		SHOULD	Section 7.4
❑	Lower camel case		MUST	Section 7.1.1
❑	ISO 11179 name		SHOULD	Section 7.1.3.2
❑	No domain restrictions except enumeration lists (come from Type)		SHOULD	Section 7.2.3.3
	❑	Enumeration list referenced	SHOULD	Section 7.2.3.1

Notes:

1. Camel Case Examples
   - Upper Camel Case Example: UpperCamelCaseElement
   - Lower Camel Case Example: lowerCamelCaseAttribute
2. ISO 11179 compliant data element name consists of three parts:
   - An “Object Class” term, which describes the kind of thing being referenced. This Object Class may consist of one or more words, some of which may be context terms.
   - A “Property Term” which is the property of the thing being referenced, which may consist of one or more words.
   - A “Representation Term” which identifies allowable values for an element. This list is taken from an enumerated list of allowable representation types.
   - In addition:
     - When the Representation Term and the Property Term are redundant, the property term is dropped, so ‘Item.Identification.Identifier’ becomes ‘Item.Identifier’.
     - When an element describes an entire class of things (e.g., not a specific property of it), the Property Term may again be dropped, for instance ‘Documentation.Identifier’.
     - An aggregate component shall have a Representation Term of ‘details.’