# Exchange Network Schema Conformance Checklist

The Checklist below contains a list of rules and guidelines from the Exchange Network XML Design Rules and Conventions (DRCs) and the Exchange Design Rules and Conventions (EDRCs). The checklist is not inclusive of all rules and guidelines; rather it only includes the items that have historically been the source of most issues with submitted exchange documentation packages. Exchange developers are expected to review and comply with the rules and guidelines in the DRCs and EDRCs.

Exchange developers must include a completed checklist with their exchange documentation package. In cases where "no" was indicated for a checklist item, an explanation must be provided on the Exceptions section at the bottom of this worksheet.

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|  | Exchange: ICISDA |   |  |  |  |
|  | Version: 1.0 |  |  |  |  |
|  | Date Prepared: Dec. 13, 2011Contact: Won Lee |  |  |  |
|  |  |  |  |  |  |
| **Compliance with XML Design Rules and Conventions**  |
|  | **XML Tag Naming Conventions** | Yes | No  | N/A |
|  | GD1-1 | All schemas are valid and conformant to W3C technical specifications. |  x |   |   |
|  | GD3-1 | All element and datatype names are in UpperCamelCase. |  x |   |   |
|  | GD3-3 | All attribute names are in lowerCamelCase. |  x |   |   |
|  | GD3-6 | All schema construct names are devoid of underscores, periods or dashes. |  x |   |   |
|  | GD3-8 | All tag names unique throughout the schema. |  x |   |   |
|  | GD3-12 | All lowest-level element tag names follow UN/CEFACT naming standards consisting of Object Class, Property Class, and Representation Term. |  x |   |   |
|  | GD3-17 | All element tag names are in singular form. |  x |   |   |
|  | GD3-A | All datatype tag names end in "Type" or "DataType". |  x |   |   |
|  |  |  |  |  |  |
|  | **Elements and Attributes** | Yes | No  | N/A |
|  | SD3-1 | All elements are declared as global. |  x |   |   |
|  | SD3-9 | Attributes, if implemented, are only used to store metadata. |  x |   |   |
|  |  |  |  |  |  |
|  | **Namespaces** | Yes | No  | N/A |
|  | SD4-2 | All schema constructs namespace qualified. |  x |   |   |
|  | SD4-A | All schemas use the proper Exchange Network namespace naming convention. |  x |   |   |
|  | SD4-D | The schema namespace only contains the exchange's major version number. |  x |   |   |
|  |  |  |  |  |  |
|  | **Schema Configuration and Documentation** | Yes | No  | N/A |
|  | SD5-R | Schemas have been modularized into default, message, component, and shared schemas. |  x |   |   |
|  | GD2-A | The schema package includes an "index.xsd" schema that includes each root schedule for the exchange. |  x |   |   |
|  | SD5-A | The schema uses Shared Schema Components where appropriate for the targeted business processes. |   |   |  x |
|  | SD5-34 | Each schema file includes the standard schema header documentation. |  x |   |   |
|  |  |  |  |  |  |
|  | **Schema Versioning** | Yes | No  | N/A |
|  | SD5-F | If the schema represents a minor version increment from a previous schema, the only changes the addition of new optional elements or constructs. |   |   |  x |
|  | SD5-H | If the schema represents a minor version increment from a previous schema, it implements an identical namespace as it's predecessor. |   |   |  x |
|  | SD5-K | The schema file names, XSD version attribute, header documentation, and namespace all contain matching version information. |  x |   |   |
|  | GD2-C, D, E | Schema file names match the naming rules for message, component, and local shared schemas. |  x |   |   |
|  |  |  |  |  |  |
|  | **Information Association and Uniqueness** | Yes | No  | N/A |
|  | SD6-4 | If KEY and KEYREF are used, the constructs have been tested to ensure they are implemented properly. |   |   |  x |
|  |  |  |  |  |  |
| **Compliance with Exchange Design Rules and Conventions** |   |   |   |
|  | **General Exchange Design** | Yes | No  | N/A |
|  | XD1-1 | The exchange is prescribed an exchange identifier in the form of a single term or acronym. |  x |   |   |
|  | XD1-2 | The exchange identifier used consistently throughout the schema and exchange documentation. |  x |   |   |
|  |  |  |  |  |  |
|  | **Exchange Development and Publishing** | Yes | No  | N/A |
|  | XD2-6 | The exchange package includes all required components including XML schema, schema conformance report, DET, FCD and one or more valid instance files. |  x |   |   |
|  | XD2-9 | If the package is a new version of an existing schema, a schema change log is included in the package. |   |   |  x |
|  | XD2-10 | The exchange package include a description of use and rejection of SSCs in the exchange schema. |   |  x |   |
|  |  |  |  |  |  |
|  | **Exchange Component Versioning** | Yes | No  | N/A |
|  | XD3-1, 2, 3 | If the package is for a new version of an exchange, the appropriate versioning principles are applied. |   |   |  x |
|  | XD3-4 | All components of the exchange package share a matching version number. |  x |   |   |
|  | XD3-5 | All documents in the exchange follow the file name requirements. |  x |   |   |
|  | XD3-6, 7 | If the exchange package contains any draft components, they are labeled as draft in the component name. |  x |   |   |
|  | XD3-9 | If applicable, all Query and Solicit data service names unique from previous versions of the exchange. |   |   |  x |
|  |  |  |  |  |  |
|  | **Exchange Documentation** | Yes | No  | N/A |
|  | XD4-1 | Is the Flow Configuration Document based on the most recent Network-approved FCD template? |  x |   |   |
|  | XD4-5 | Does the FCD document the steps for a new partner to implement and participate in the exchange? |  x |   |   |
|  | XD4-6 | Does the FCD indicate which operations and/or services are required or optional for a partner to implement? |  x |   |   |
|  | XD4-7 | Does the FCD list the specific meaning of each of the applicable GetStatus responses, if applicable? |   |   |  x |
|  |  |  |  |  |  |
|  | **Query and Solicit Services** | Yes | No  | N/A |
|  | XD5-1, 2 | All data service names follow the data service naming guidelines. |  x |   |   |
|  | XD5-4 | If any data service accepts XML-formatted parameters, the XML schema is documented and included in the exchange package. |  x |   |   |
|  | XD5-7, 8 | The FCD fully documents the parameter names, data types, occurance, wildcard behavior and return schema for each data service. |  x |   |   |
|  | XD5-9 | The FCD indicates what constitutes a "row" for any service that is made available as a Query. |  x |   |   |
|  |  |  |  |  |  |
|  | **Exchange Network Header** | Yes | No  | N/A |
|  | XD6-1 | The Header is implemented in all Submit operations. |   |   |  x |
|  | XD6-6 | The FCD documents allowable values for the Header operation attribute along with a precise description of how each operation affects payload processing. |   |  x |   |
|  | XD6-10 | If the Header is used, the FCD describes whether multiple payloads are supported and how they must be structured. |   |   |  x |
|  | XD6-13 | If the Header is used, it is the latest Network-approved Header. |   |   |  x |

### Checklist Exceptions

|  |  |
| --- | --- |
| **DRC/EDRC ID** | **Reason for Exception** |
| XD2-10 | The ICIS data model attributes such as character length and business rules have already been clearly established. The ICIS Schema itself is also well-established and many of the the elements in the ICISDA Schema are the same or similar to these elements. Because of the specificity of the attributes needed for this ICISDA Schema, it would not be efficient to utilize the more general attributes and characteristics of the Shared Schema Components. |
|  XD4-5 | The current version of the dataflow only supports the ICIS reference table data family. In the future, other ICIS data families will be developed for this dataflow, and the FCD, Schema, etc., will be updated with the new services, request parameters, elements, etc. |
|  XD6-6 |  The ICISDA dataflow does not contain any header elements, since it is only a query service. |