## Exchange Documentation Package Conformance Review

Schema Package Name and Version: **RAD v1.0**Review Date: **2/20/2012**Reviewed By: **Doug Timms, open-environment.org**

Additional comment (#13) by Bill Rensmith, Windsor Solutions, Inc. on 3/7/12

**Approval Recommendation**

Recommend addressing the items listed below prior to publishing.

**Conformance Findings**

**XML Schema**

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| **Comment/Observation** | **Rule Citation** |
| 1. The following data elements should not use abbreviations:
* LocationAddressExt
* MitigationSystemInd
* RealEstateTransactionInd
* CertifiedContractorInd
 | **[GD3-5]** Abbreviations SHOULD NOT be used[GD3-16] The name of the Representation Term MUST NOT be truncated in the tag name.  |
| 1. The following data elements do not use a valid representative term:
* BuildingPurpose
* BuildingType
* BuildingSubType
* TestFloorLevel
* TestDeviceLocation
* QCCheckType
 | **[GD3-12]** Lowest level (it has no children) element tag name SHOULD consist of the Object Class, the name of a Property Term, and the name of a Representation Term.  |
| 1. The schema includes an extraneous Include that is not used and can be removed:
* RAD\_RAD\_v1.0 🡪 RAD\_Simple\_Content\_v1.0
 | **[SD5-15]** Message-level schemas SHOULD maintain a reasonable number of nested includes.  |
| 1. The following schema files included in the package are not used and can be removed:
* SC\_Measure\_v2.0.xsd
* SC\_MeasureUnit\_v2.0.xsd
 |  |
| 1. The following datatypes that use enumeration define a minLength=0 facet which is ignored and should be removed:
* BuildingPurposeDataType
* FoundationTypeCodeDataType
* BuildingTypeDataType
* BuildingSubTypeDataType
* TestMethodTypeDataType
* CertifiedContractorIndDataType
* DeviceTypeDataType
 |  |
| 1. Any reference to the Mercury schema (<!-- Mercury Schema Version 1.0 -->) should be removed.

Comments such as the following should be removed from the schema files: <!-- edited with XMLSpy v2007 sp2 (http://www.altova.com) by Lijie Xu (enfoTech & Consulting, Inc.) --> | **[SD5-30]** HTML-style comments (<!--comment -->) SHOULD NOT be used in schema.  |

**Data Exchange Template (DET)**

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| --- | --- |
| 1. The following data element names in the DET do not match the XML schema:
* AddressLocationText
* RadonResultIdentifier
* MitigationInformation (not in schema)
 |   |
| 1. DET indicates schema validation for the following data elements but schema enumeration validation not occurring in schema:
* CoordinateType
* QCCheckType
* MitigationSystemInd
 |  |

**Flow Configuration Document (FCD)**

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| 1. The Solicit request name (“RadonDataExchange”) does not adhere to Solicit service naming convention (e.g. GetRadonData\_v1.0)
 |  Section 2.5.1 of Exchange Design Rules and Conventions |
| 1. Remove to AQS schema in FCD should be removed.
 | **[XD6-6]** Allowable values for The Exchange Network Header <Payload> operation attribute MUST be documented in the exchange Flow Configuration Document along with a precise description of how each operation affects payload processing.  |
| 1. Header payload operation attribute of “Load” may not be correct given the dataflow behavior.
 | **[XD6-7]** If the Header is implemented on the response to a Query or Solicit, the payload operation attribute SHOULD contain either "Query" or "Solicit" to indicate the type of operation that was performed to retrieve the result.  |
| 1. The FCD uses an obsolete version of the Header schema as indicated by the header data element names – the latest should be used: http://www.exchangenetwork.net/schema/header/2/header\_v2.0.xsd
 | **[XD6-13]** New exchanges MUST implement the latest approved Exchange Network Header.  |
| 1. The FCD specifies comma delimited values for solicit parameters that support multiple values. Pipe delimiters are the EN standard
 | **[XD5-6]** Exchanges that support the Node v1.1 Specification MUST only allow a pipe symbol ("|") as a delimiter between multiple values for a given data service parameter. |