ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule Comparison	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
1	ATD1	User defined attributes SHOULD NOT be used in data centric schema. When used, user defined attributes MUST only convey supplemental metadata information from table XX not intended for storage or application processing.	Attribute Declaration Rules	R 65	User declared attributes MUST only be used to convey core component type (CCT) supplementary component information.	Yes	ATD1	User-defined attributes SHOULD NOT be used.		ATD1	It is strongly RECOMMENDED that projects create global attributeGroups for multiple attributes.		ATD1	User defined attributes SHOULD NOT be used. When used, user defined attributes MUST only convey CCT:SupplementaryComponent information.	Yes
2	ATD2	If a Schema Expression contains one or more common attributes that apply to all elements contained or included or imported therein, the common attributes MUST be declared as part of a global attribute group.	Attribute Declaration Rules				ATD2	If a DON xsd:SchemaExpression contains one or more common attributes that apply to all DON elements contained or included or imported therein, the common attributes MUST be declared as part of a global attribute group.					ATD3	If a UBL Schema Expression contains one or more common attributes that apply to all UBL elements contained or included or imported therein, the common attributes MUST be declared as part of a global attribute group.	
3	ATD3	Each xsd:schemaLocation attribute declaration MUST contain a system-resolvable URL. This system resolvable URL SHOULD be persistent and accessable from any query. If the system resolvable URL is not made publicly available, it SHOULD be a relative URL referencing the location of the schema or schema module in the release package.	Attribute Declaration Rules	R 160	Each xsd:schemaLocation attribute declaration URL of a code list MUST contain an absolute path.					IMP3	Each schemaLocation attribute declaration MUST contain a persistent and resolvable URL.	Yes	ATD6	Each xsd:schemaLocation attribute declaration MUST contain a systemresolvable URL, which at the time of release from OASIS shall be a relative URL referencing the location of the schema or schema module in the release package.	
4	ATD4	The xsd built in nillable attribute MUST NOT be used for data centric schema that require authentication and nonrepudiation	Attribute Declaration Rules	R 69	The xsd:nillable attribute MUST NOT be used.		GXS10	The xsd built-in nillable attribute MUST NOT be used.		ATD2	The xsd built-in nillable attribute MUST NOT be used for any declared element.	Yes	ATD7	The xsd built in nillable attribute MUST NOT be used for any UBL declared element.	
5	ATD5	The xsd:anyAttribute MUST NOT be used for data centric schema. The xsd:anyAttribute MAY be used for document-centric schema if consistency in not an issue.	Attribute Declaration Rules	R 59	The xsd:any attribute MUST NOT be used.					ATD3	The xsd:any attribute MUST NOT be used.	Yes	ATD8	The xsd:anyAttribute MUST NOT be used.	Yes

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6	ATN1	Each xsd:attribute "name" MUST be an ISO 11179 conformant dictionary entry name object class, property term and representation term with any separators removed.	Attribute Naming Rules										ATN1	Each CCT:SupplementaryComponent xsd:attribute "name" MUST be the dictionary entry name object class, property term and representation term of the ccts:SupplementaryComponent with the separators removed.	
7	CIL1	All Codes and Identifiers MUST be part of an Agency or externally maintained Code List.	Code and Identifier List Rules				CDL1	All codes used in DON MUST be part of a DON-maintained or externally maintained Code List Schema module.		CDL1	All IRS Codes MUST be part of an IRS or externally maintained Code List.		CDL1	All UBL Codes MUST be part of a UBL or externally maintained Code List.	
8	CIL2	Agency Libraries MUST identify and use external standardized code and Identifier lists when available rather than develop their own native code lists.	Code and Identifier List Rules	R 154	Internal code list schema MUST NOT duplicate existing external code list schema when the existing ones are available to be imported.					CDL2	The IRS SHOULD identify and use external standardized code lists rather than develop its own code lists.	Yes	CDL2	The UBL Library SHOULD identify and use external standardized code lists rather than develop its own UBL-native code lists.	Yes
9	CIL3	Agency Libraries MAY design and use an internal code or identifier list where an existing external code or identifier list needs to be extended, or where no suitable external code or identifier list exists.	Code and Identifier List Rules				CDL2	The DON library MAY design and use an internal code list if an existing external code list needs to be extended or if no suitable external code list exists.		CDL3	The IRS MAY design and use an internal code list where an existing external code list needs to be extended, or where no suitable external code list exists.		CDL3	The UBL Library MAY design and use an internal code list where an existing external code list needs to be extended, or where no suitable external code list exists.	
10	CIL4	All Federal or Agency maintained or used Code and Identifier Lists MUST be enumerated using the Federal Code and Identifier List Schema Module Template.	Code and Identifier List Rules	R 153	Each UN/CEFACT maintained code list MUST be defined in its own schema module.		CDL3	All DON-maintained or used code lists MUST be enumerated using the DON Code List Schema module.		CDL4	The IRS maintained code lists MUST be enumerated using the standardized IRS Code List schema format.		CDL4	All UBL maintained or used Code Lists MUST be enumerated using the UBL Code List Schema Module.	
10	CIL4			R 29	Reusable Code List schema modules MUST be created to convey code list enumerations										

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11	CIL5	The name of each Federal or Agency Code or Identifier List Schema Module MUST be of the form: {Owning Organization}{Code or Identifier List Name}{Code List Schema Module}	Code and Identifier List Rules	R 168	The name of root element MUST be based on the code list name text following the naming rules as defined in section 5.3. 4505 4506 4507 4508 4509 4510 4511 4512 4513 4514 4515 4516 4517 4518 4519 4520 4521 4522 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4544 4545 4546 4547 4548 4549 4550 4551 4552 4553 4554 4555 4556 4557	Yes				SCF2	The schema file name of each IRS maintained code list schema MUST be of the form: +IRS-CodeList-{Code List Name}-{Code List Schema Version}.xsd+For example, the proper name for the country code list will be IRS-CodeList-CountryCode-1.0.xsd, where 1.0 is the version number.	Yes	CDL5	The name of each UBL Code List Schema Module MUST be of the form: {Owning Organization}{Code List Name}{Code List Schema Module}	
11	CIL5			R 157	Each UN/CEFACT maintained code list schema module MUST be represented by a unique token constructed as follows: clm[Qualified data type name]<Code List Agency Identifier|Code List Agency Name Text><Code List Identification Identifier|Code List Name Text> with any repeated words eliminated.	Yes									
12	CIL6	An xsd:import element MUST be declared for every code or identifier list required in a root schema.	Code and Identifier List Rules				CDL5	An xsd:Import element MUST be declared for every code list required in a DON schema.		CDL6	An xsd:Import element MUST be declared for every code list required in an IRS schema.		CDL6	An xsd:import element MUST be declared for every code list required in a UBL schema.	
13	CIL7	Users of the Federal or Agency Library MAY identify any subset they wish from an identified code or identifier list for their own trading community conformance requirements.	Code and Identifier List Rules				CDL5	An xsd:Import element MUST be declared for every code list required in a DON schema.					CDL7	Users of the UBL Library MAY identify any subset they wish from an identified code list for their own trading community conformance requirements.	

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14	CIL8	The xsd:schemaLocation declaration for code and identifier list schema modules MUST include the complete URI used to identify the relevant schema.	Code and Identifier List Rules	R 158	The structure for schema location of code lists MUST be: http://www.unece.org/uncefact/codelist/<status>/<Code List. Agency Identifier|Code List Agency Name Text>/<Code List Identification Identifier|Code List Name Text>_<Code List Version Identifier>.xsd Where: schematype = a token identifying the type of schema module: codelist status = the status of the schema as: draft|standard Code List Agency Identifier = identifies the agency that manages a code list. The default agencies used are those from DE 3055 but roles defined in DE 3055 cannot be used. Code List Agency Name Text = the name of the agency that maintains the code list. Code List Identification Identifier = identifies a list of the respective corresponding codes. listID is only unique within the agency that manages this	Yes	CDL8	The xsd:schemaLocation MUST include the complete URI used to identify the relevant code list schema.					CDL8	The xsd:schemaLocation MUST include the complete URI used to identify the relevant code list schema.	
15	CTD1	For every complex and simple data element identified in a Federal or Agency data centric process model, a named xsd:complexType MUST be defined.	ComplexType Definition Rules	R 94	For every object class (ABIE) identified in the UN/CEFACT syntax-neutral model, a named xsd:complexType MUST be defined.		CTD4	Every BBIE property MUST define a named xsd:complexType.		COM1	For every project logical data model and ELDM data class, a named xsd:complexType MUST be defined. A corresponding global element for this complex type MUST also be declared.		CTD1	For every class identified in the UBL model, a named xsd:complexType MUST be defined.	
16	CTD2	Every complex data element xsd:complexType definition content model for data-centric schema MUST use the xsd:sequence element with appropriate global element references to reflect each simple data element (property) that constitute its content model.	ComplexType Definition Rules	R 98	The order and cardinality of the elements within an ABIE xsd:complexType MUST be according to the structure of the ABIE as defined in the model.		CTD1	Every ccts:ABIE xsd:complexType MUST use xsd:sequence or xsd:choice with global element references and/or local element declarations to reflect each property of its class.	Yes	COM2	Every xsd:complexType definition MUST use the xsd:sequence, xsd:simpleContent, or xsd:choice for its contents. The xsd:choice element SHOULD NOT be used where customization and extensibility are a concern.		CTD2	Every ccts:ABIE xsd:complexType definition content model MUST use the xsd:sequence element with appropriate global element references, or local element declarations in the case of ID and Code, to reflect each property of its class as defined in the corresponding UBL model.	

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16	CTD2			R 96	Every aggregate business information entity (ABIE) xsd:complexType definition xsd:content model MUST use the xsd:sequence and/or xsd:choice elements with appropriate local element declarations to reflect each property (BBIE or ASBIE) of its class.	Yes									
17	CTD3	Every simple data element xsd:complexType definition content model MUST use the xsd:simpleContent element.	ComplexType Definition Rules				CTD6	Every ccts:BBIE Property complex type content model MUST use xsd:simpleContent.					CTD3	Every ccts:BBIEProperty xsd:complexType definition content model MUST use the xsd:simpleContent element.	
18	CTD4	Every simple data element xsd:complexType content model xsd:simpleContent element MUST consist of an xsd:extension element.	ComplexType Definition Rules				CTD7	Every ccts:BBIE Property xsd:simpleContent element MUST contain either the xsd:extension or xsd:restriction element.	Yes				CTD4	Every ccts:BBIEProperty xsd:complexType content model xsd:simpleContent element MUST consist of an xsd:extension element.	
19	CTD5	Every simple data element xsd:complexType content model xsd:base attribute value MUST be an unqualified or qualified federal datatype as appropriate.	ComplexType Definition Rules				CTD5	Every ccts:BBIE Property complexType definition must be based on a complex type representing either a ccts:QualifiedDataType or ccts:UnqualifedDataType.		COM4	For the simpleContent complex types, the simpleContent element MUST contain one xsd:extension element. This extension element MUST have its xsd:base element set to a specialized datatype, an unspecialized datatype, or an xsd:built-in datatype.	Yes	CTD5	Every ccts:BBIEProperty xsd:complexType content model xsd:base attribute value MUST be the ccts:CCT of the unspecialized or specialized UBL datatype as appropriate.	
20	CTD6	For every datatype used in a data model, a named xsd:complexType or xsd:simpleType MUST be defined.	ComplexType Definition Rules										CTD6	For every datatype used in the UBL model, a named xsd:complexType or xsd:simpleType MUST be defined.	

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21	CTD7	All defined or used unqualified datatypes MUST either be those defined in the Unqualified Datatype Schema Module from UN/CEFACT, the federal Unqualified Datatype Schema Module, or an Agency Unqualified Datatype Schema Module.	ComplexType Definition Rules				CTD9	EVERY primary and secondary representation term MUST have an xsd:complexType defined in the DON Enterprise Unqualified ccts:DataTypes Schema module (UDT)	Yes				CTD7	Every unspecialized Datatype must be based on a ccts:CCT represented in the CCT schema module and must represent an approved primary or secondary representation term identified in the CCTS.	Yes
22	CTD8	Each unqualified Datatype xsd:complexType must be based on its corresponding source xsd:complexType. (Note: If we don't use CTD7, then we need CTD8. If we use CTD7, then we don't need CTD8.)	ComplexType Definition Rules				CTD9	EVERY primary and secondary representation term MUST have an xsd:complexType defined in the DON Enterprise Unqualified ccts:DataTypes Schema module (UDT)	Yes				CTD8	Each unspecialized Datatype xsd:complexType must be based on its corresponding CCT xsd:complexType.	
23	CTD9	Every qualified Datatype whose corresponding unqualified datatype is defined as an xsd:complexType MUST also be defined as an xsd:complexType and MUST be based on the same xsd:simpleType.	ComplexType Definition Rules				CTD12	Every Qualified ccts:DataType MUST use the xsd:base attribute to define another ccts:DataType.	Yes				CTD9	Every unspecialized Datatype that represents a primary representation term whose corresponding ccts:CCT is defined as an xsd:simpleType MUST also be defined as an xsd:simpleType and MUST be based on the same xsd:simpleType.	Yes
24	CTD10	Every qualified Datatype whose corresponding unqualified datatype is defined as an xsd:simpleType MUST also be defined as an xsd:simpleType and MUST be based on the same xsd:simpleType.	ComplexType Definition Rules	R 146	The name of a qdt:QualifiedDataType MUST be the name of its base udt:UnqualifiedDataType with separators and spaces removed and with its qualifier term added.		CTD12	Every Qualified ccts:DataType MUST use the xsd:base attribute to define another ccts:DataType.	Yes				CTD10	Every unspecialized Datatype that represents a secondary representation term whose corresponding ccts:CCT is defined as an xsd:simpleType MUST also be defined as an xsd:simpleType and MUST be based on the same xsd:simpleType.	Yes
25	CTD11	Each unqualified Datatype xsd:complexType definition must contain one xsd:simpleContent element.	ComplexType Definition Rules				CTD10	Every ccts:DataType complex type MUST use xsd:simpleContent.	Yes				CTD14	Each ccts:CCT xsd:complexType definition MUST contain one xsd:simpleContent element	

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26	CTD12	For every datatype whose metadata components are not equivalent to the properties of a built-in xsd:Datatype, it MUST be defined as a named xsd:complexType in the Unqualified Datatype schema module.	ComplexType Definition Rules										CTD13	For every ccts:CCT whose supplementary components are not equivalent to the properties of a built-in xsd:Datatype, the ccts:CCT MUST be defined as a named xsd:complexType in the ccts:CCT schema module.	
27	CTD13	The Unqualified Datatype xsd:complexType definition xsd:simpleContent element MUST contain one xsd:extension element. This xsd:extension element MUST include an xsd:base attribute that defines the specific xsd:Built-inDatatype required.	ComplexType Definition Rules	R 114	The cct:CoreComponentType xsd:complexType definition xsd:simpleContent element MUST contain one xsd:extension element. This xsd:extension element must include an XSD based attribute that defines the specific built-in XSD data type required for the CCT content component.								CTD15	The ccts:CCT xsd:complexType definition xsd:simpleContent element MUST contain one xsd:extension element. This xsd:extension element MUST include an xsd:base attribute that defines the specific xsd:Built-inDatatype required for the ccts:ContentComponent of the ccts:CCT.	
28	CTD14	Each metadata component xsd:attribute "type" MUST define the specific xsd:Built-in Datatype or the user defined xsd:simpleType for the metadata component of the unqualified Datatype.	ComplexType Definition Rules										CTD16	Each CCT:SupplementaryComponent xsd:attribute "type" MUST define the specific xsd:Built-inDatatype or the user defined xsd:simpleType for the ccts:SupplementaryComponent of the ccts:CCT.	
29	CTD15	Each metadata component xsd:attribute "use" MUST define the occurrence of that metadata component as either "required", or "optional".	ComplexType Definition Rules				CTD15	Each ccts:SupplementaryComponent xsd:attribute “use” MUST define the occurrence as either “required” or “optional.”					CTD19	Each ccts:Supplementary Component xsd:attribute "use" MUST define the occurrence of that ccts:SupplementaryComponent as either "required", or "optional".	
30	CTN1	An xsd:complexType name based on a class MUST be the Dictionary Entry Name with the separators removed and with with the suffix "Type" appended following the upper camel case convention.	ComplexType Naming Rules	R 95	The name of the ABIE xsd:complexType MUST be the ccts:DictionaryEntryName with the separators removed and with the "Details" suffix replaced with "Type".		CTN1	A DON xsd:complexType name based on a ccts:ABIE MUST be the ccts:DictionaryEntryName object class, property term, any qualifiers and the representation term with the separators removed and the “Details” suffix replaced with “Type.”		GNR5	All complexTypes and simpleTypes MUST have the word "Type" appended to the end of the name. Elements declared as being of these MUST have the word "Type" dropped from the element name.		CTN1	A UBL xsd:complexType name based on an ccts:AggregateBusinessInformationEntity MUST be the ccts:DictionaryEntryName with the separators removed and with the "Details" suffix replaced with "Type".	

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31	CTN2	An xsd:complexType name based on a Simple Data Element MUST be the Simple Data Element Dictionary Entry Name with the separators removed and with the "Type" suffix appended after the representation term.???	ComplexType Naming Rules				CTN2	A DON xsd:complexType name based on a ccts:BBIE Property MUST, at a minimum, include the ccts:DictionaryEntryName property term, any qualifiers and the representation term, with the separators removed and with the “Type” suffix appended after the representation term.		GNR5	All complexTypes and simpleTypes MUST have the word "Type" appended to the end of the name. Elements declared as being of these MUST have the word "Type" dropped from the element name.		CTN2	A UBL xsd:complexType name based on a ccts:BasicBusinessInformationEntityProperty MUST be the ccts:DictionaryEntryName shared property term and its qualifiers and the representation term of the shared ccts:BasicBusinessInformationEntity, with the separators removed and with the "Type" suffix appended after the representation term.	
32	CTN3	An xsd:complexType for a unqualified datatype MUST have the name of the corresponding ccts:CoreComponentType, with the separators removed and with the "Type" suffix appended.	ComplexType Naming Rules	R 126	The name of each udt:UnqualifiedDataType MUST be the dictionary entry name of the primary or secondary representation term, with ôTypeö at the end and the separators and spaces removed.					GNR5	All complexTypes and simpleTypes MUST have the word "Type" appended to the end of the name. Elements declared as being of these MUST have the word "Type" dropped from the element name.		CTN3	A UBL xsd:complexType for a cct:UnspecializedDatatype used in the UBL model MUST have the name of the corresponding ccts:CoreComponentType, with the separators removed and with the "Type" suffix appended.	
33	DEN1	The dictionary content, with the exception of Business Terms, shall be in the English Language following the primary Oxford English Dictionary American spellings to assure unambiguous spelling.	Data Element Dictionary Entry Names and Definitions				GNR1	DON XML element, attribute, and type names MUST be in the English language, using the Oxford English Dictionary for Writers and Editors (Latest Ed.). Where both American and English spellings of the same word are provided, the American spelling MUST be used.							
34	DEN2	The definition shall be consistent with the requirements of ISO 11179-4 Section 4 and will provide an understandable meaning, which should also be translatable to other languages.	Data Element Dictionary Entry Names and Definitions				GNR2	DON XML element, attribute, and type names MUST conform to CCTS dictionary entry names with all separators and spaces removed.	Yes						

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35	DEN3	The definition shall take into account the fact that the users of the Data Elements are not necessarily native English speakers. It shall therefore contain short sentences, using normal words. Wherever synonym terms are possible, the definition shall use the preferred term as identified in the Controlled Vocabulary.	Data Element Dictionary Entry Names and Definitions													
36	DEN4	The definition of a Simple Data Element shall use a structure that is based on the existence of the Object Class Term, the Property Term, the Data Type, and any Qualifiers.	Data Element Dictionary Entry Names and Definitions													
37	DEN5	The definition of an Association between Complex Data Elements shall use a structure that is based on the existence of the Object Class Term of the associating Complex Data Element, the Property (nature of the association), and the Object Class Term of the associated Complex Data Element and any Qualifiers.	Data Element Dictionary Entry Names and Definitions	R 105	The element representing an association business information entity (ASBIE) MUST be of the complex type corresponding to its associated aggregate business information (ABIE).											
38	DEN6	Whenever both the definite (i.e. the) and indefinite article (i.e. a) are possible in a definition, preference shall be given to an indefinite article (i.e. a).	Data Element Dictionary Entry Names and Definitions													
39	DEN7	The Dictionary Entry Name shall be unique.	Data Element Dictionary Entry Names and Definitions													
40	DEN8	The Dictionary Entry Name shall be extracted from the definition.	Data Element Dictionary Entry Names and Definitions													

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41	DEN9	The Dictionary Entry Name shall be concise and shall not contain consecutive redundant words.	Data Element Dictionary Entry Names and Definitions	R 100	Each BBIE element name declaration MUST be based on the property term and qualifiers and the representation term of the basic business information entity (BBIE). If there are successive duplicate words in the property term and representation terms of the source dictionary entry name, then the duplicate words MUST be removed. 4079 4080 4081 4082 4083 4084 4085 4086 4087 4088 4089 4090 4091 4092 4093 4094 4095 4096 4097 4098 4099 4100 4101 4102 4103 4104 4105 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4122 4123 4124 4125 4126 4127 4128 4129 4130 4131 4132									
42	DEN10	The Dictionary Entry Name and all its components shall be in singular form unless the concept itself is plural.	Data Element Dictionary Entry Names and Definitions												
43	DEN11	The Dictionary Entry Name shall not use non-alphanumeric characters unless required by language rules. Numeric characters should not be used for sequencing.	Data Element Dictionary Entry Names and Definitions												
44	DEN12	The Dictionary Entry Name shall only contain verbs, nouns and adjectives (i.e. no words like and, of, the, etc.).	Data Element Dictionary Entry Names and Definitions												
45	DEN13	Abbreviations and acronyms that are part of the Dictionary Entry Name shall be expanded or explained in the definition.	Data Element Dictionary Entry Names and Definitions												

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46	DEN14	The Object Class Term, Property Term, and Representation Term components of a Dictionary Entry Name shall be separated by dots. The space character shall separate words in multi-word Object Class Terms and/or multiword Property Terms, including their Qualifier Terms. Every word shall start with a capital letter. Qualifier Terms shall be separated from their associated Object Class or Property Term by an underscore (_) followed by a space to separate each qualifier. To allow spell checking of the words in the Dictionary Entry Name, a space character shall follow the dots after Object Class Term(s) and Property Term(s).	Data Element Dictionary Entry Names and Definitions													
47	DEN15	Qualifier Terms shall precede the associated Object Class Term or Property Term. The order of qualifiers shall not be used to differentiate Dictionary Entry Names.	Data Element Dictionary Entry Names and Definitions													
48	DEN16	The Dictionary Entry Name of a Simple Data Element shall consist of the following parts in the order specified: the Object Class Term of the owning the corresponding Basic Core Component Property, the Property Term of the corresponding class property, and the Representation Term of the Data Type any Qualfiying Terms	Data Element Dictionary Entry Names and Definitions													

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49	DEN17	The Dictionary Entry Name of an Complex Data Element Association shall consist of the following components in the specified order:the Object Class Term of the Complex Data Element owning the corresponding Association Property,the Property Term of the corresponding Association Property, the Object Class Term of the Complex Data Element on which the corresponding Association Core Component Property is based, and Any Qualifying Terms.	Data Element Dictionary Entry Names and Definitions													
50	DEN18	The components of a Dictionary Entry Name shall be separated by dots. The space character shall separate words in multi-word Object Class Terms and/or multi-word Property Terms. Every word shall start with a capital letter. To allow spell checking of the Directory Entry Names' words, the dots after Object Class Terms and Property Terms shall be followed by a space character.	Data Element Dictionary Entry Names and Definitions													
51	DEN19	The name of an Object Class shall always have the same semantic meaning throughout the dictionary and may consist of more than one word.	Data Element Dictionary Entry Names and Definitions													

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52	DEN20	The name of a Property Term shall occur naturally in the definition and may consist of more than one word. A name of a Property Term shall be unique within the Context of an Object Class but may be reused across different Object Classes.	Data Element Dictionary Entry Names and Definitions					DON_Comparison							
53	DEN21	The Dictionary Entry Name of an Complex Data Type shall consist of a meaningful Object Class Term. The Object Class Term may consist of more than one word.	Data Element Dictionary Entry Names and Definitions												
54	DOC1	The xsd:documentation element for every Datatype MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Datatypes this must be “DT”.+DictionaryEntryName (mandatory): The official name of a Datatype.+Version (optional): An indication of the evolution over time of the Datatype.+Definition(mandatory): The semantic meaning of a Datatype.+ObjectClassQualifier (optional): The qualifier for the object class.+ObjectClass(optional): The Object Class represented by the Datatype.+RepresentationTerm (mandatory): A Representation Term is an element of the name which describes the form in which the property is	Documentation Rules	R 151	Every qdt:QualifiedDataType definition MUST contain a structured set of annotations in the following sequence and pattern:+ò UniqueID (mandatory): The identifier that references a Qualified Data Type instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be QDT.+ò DictionaryEntryName (mandatory): The official name of the Qualified Data Type.+ò VersionID (mandatory): An indication of the evolution over time of the Qualified Data Type instance.+ò Definition (mandatory): The semantic meaning of the Qualified Data Type.+ò RepresentationTermName (mandatory): The Representation Term of the Qualified Data Type.+ò PrimitiveType (mandatory):	Yes				DOC5	Type documentation MUST immediately follow the type's opening tag. It MUST precede the content definition portion of the type definition.	Yes	DOC1	The xsd:documentation element for every Datatype MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Datatypes this must be ôDTö.+DictionaryEntryName (mandatory): The official name of a Datatype.+Version (optional): An indication of the evolution over time of the Datatype.+Definition(mandatory): The semantic meaning of a Datatype.+ObjectClassQualifier (optional): The qualifier for the object class.+ObjectClass(optional): The Object Class represented by the Datatype.+RepresentationTerm (mandatory): A Representation Term is an element of the name which describes the form in which the property is	

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54	DOC1			R 121	For every cct:CoreComponentType xsd:complexType definition a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references the Core Component Type instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be CCT.+ò DictionaryEntryName (mandatory): The official name of a Core Component Type.+ò VersionID (mandatory): An indication of the evolution over time of a Core Component Type instance.+ò Definition (mandatory): The semantic meaning of a Core Component Type.+ò RepresentationTermName (mandatory): The primary representation term of the Core Component Type.+ò	Yes									

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54	DOC1			R 140	For every udt:UnqualifiedDataType xsd:complexType or xsd:simpleType definition a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references an Unqualified Data Type instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be UDT.+ò DictionaryEntryName (mandatory): The official name of the Unqualified Data Type.+ò VersionID (mandatory): An indication of the evolution over time of the Unqualified Data Type instance.+ò Definition (mandatory): The semantic meaning of the Unqualified Data Type.+ò RepresentationTermName (mandatory): The primary or secondary representation	Yes								

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55	DOC2	A Datatype definition MAY contain one or more Content Component Restrictions to provide additional information on the relationship between the Datatype and its corresponding Core Component Type. If used the Content Component Restrictions must contain a structured set of annotations in the following patterns:+RestrictionType (mandatory): Defines the type of format restriction that applies to the Content Component.+RestrictionValue (mandatory): The actual value of the format restriction that applies to the Content Component.+ExpressionType (optional): Defines the type of the regular expression of the restriction value.	Documentation Rules				DOC2	A data type definition MAY contain one or more content component restrictions to provide additional information on the relationship between the data type and its corresponding UDT. If used, the content component restrictions must contain a structured set of annotations in the following patterns:+RestrictionType (mandatory): Defines the type of format restriction that applies to the content component.+RestrictionValue (mandatory): The actual value of the format restriction that applies to the content component.+ExpressionType (optional): Defines the type of the regular expression of the restriction value.					DOC2	A Datatype definition MAY contain one or more Content Component Restrictions to provide additional information on the relationship between the Datatype and its corresponding Core Component Type. If used the Content Component Restrictions must contain a structured set of annotations in the following patterns:+RestrictionType (mandatory): Defines the type of format restriction that applies to the Content Component.+RestrictionValue (mandatory): The actual value of the format restriction that applies to the Content Component.+ExpressionType (optional): Defines the type of the regular expression of the restriction value.	
56	DOC3	A Qualified Datatype definition MAY contain one or more allowed metadata attribute restrictions to provide additional information on the relationship between the Datatype and its corresponding unqualified Datatype. If used the metadata Restrictions must contain a structured set of annotations in the following patterns:+MetadataAttributeName (mandatory): Identifies the metadata attribute on which the restriction applies.+RestrictionValue (mandatory, repetitive): The actual value(s) that is (are) valid for the metadata attribute	Documentation Rules										DOC3	A Datatype definition MAY contain one or more Supplementary Component Restrictions to provide additional information on the relationship between the Datatype and its corresponding Core Component Type. If used the Supplementary Component Restrictions must contain a structured set of annotations in the following patterns:+SupplementaryComponentName (mandatory): Identifies the Supplementary Component on which the restriction applies.+RestrictionValue (mandatory, repetitive): The actual value(s) that is (are) valid for the Supplementary Component	Yes

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule Comparison	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
57	DOC4	The xsd:documentation element for every simple data element MUST contain a structured set of annotations in the following sequence and pattern:+DictionaryEntryName (mandatory): The ISO 11179 conformant name.+Version (optional): An indication of the evolution over time of the simple data element.+Definition(mandatory): The semantic meaning of the simple data element.+Cardinality(mandatory): Indication whether the simple data element represents a not-applicable, optional, mandatory and/or repetitive characteristic of higher level aggregates.+ObjectClassQualifier (optional): The qualifier for the object class.+ObjectClass(mandatory): The Object Class of which the simple data element is a property of.+PropertyTermQualifier (optional): The qualifier for	Documentation Rules	R 107	For every BBIE xsd:element declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references a BBIE instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be BBIE.+ò Dictionary Entry Name (mandatory): The official name of the BBIE.+ò VersionID (mandatory): An indication of the evolution over time of a BBIE instance.+ò Definition (mandatory): The semantic meaning of the BBIE.+ò Cardinality (mandatory): Indication whether the BIE Property represents a not-applicable, optional, mandatory and/or repetitive characteristic of the ABIE. 4133 4134 4135 4136 4137 4138 4139 4140 4141 4142 4143 4144 4145 4146 4147 4148 4149 4150 4151 4152	Yes				DOC6	Global elements documentation is OPTIONAL; but documentation is required at the type level.		DOC4	The xsd:documentation element for every Basic Business Information Entity MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Basic Business Information Entities this must be ôBBIEö.+DictionaryEntryName (mandatory): The official name of a Basic Business Information Entity.+Version (optional): An indication of the evolution over time of the Basic Business Information Entity.+Definition(mandatory): The semantic meaning of a Basic Business Information Entity.+Cardinality(mandatory): Indication whether the Basic Business Information Entity represents a not-applicable, optional, mandatory and/or repetitive characteristic of the Aggregate Business	Yes

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
58	DOC5	The xsd:documentation element for every complex data element representing a class MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For classes, this must be “complex data element”.+DictionaryEntryName (mandatory): The official name of the complex data element.+Version (optional): An indication of the evolution over time of the complex data element.+Definition(mandatory): The semantic meaning of the complex data element.+ObjectClassQualifier (optional): The qualifier for the object class.+ObjectClass(mandatory): The Object Class represented by the complex data element.+AlternativeBusinessTerms (optional): Any synonym terms under which	Documentation Rules	R 106	For every ABIE xsd:complexType definition a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references an ABIE instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be ABIE.+ò DictionaryEntryName (mandatory): The official name of an ABIE.+ò VersionID (mandatory): An indication of the evolution over time of an ABIE instance.+ò Definition (mandatory): The semantic meaning of an ABIE.+ò ObjectClassTermName (mandatory): The Object Class Term of the ABIE.+ò QualifierTermName (optional): Qualifies the Object Class Term of the ABIE.+ò UsageRule (optional, repetitive): A	Yes		DON Comparison		DOC6	Global elements documentation is OPTIONAL; but documentation is required at the type level.	Yes	DOC5	The xsd:documentation element for every Aggregate Business Information Entity MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Aggregate Business Information Entities this must be ôABIEö.+DictionaryEntryName (mandatory): The official name of the Aggregate Business Information Entity .+Version (optional): An indication of the evolution over time of the Aggregate Business Information Entity.+Definition(mandatory): The semantic meaning of the Aggregate Business Information Entity.+ObjectClassQualifier (optional): The qualifier for the object class.+ObjectClass(mandatory): The Object Class	Yes

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
59	DOC6	The xsd:documentation element for every Association Property element declaration MUST contain a structured set of annotations in the following sequence and pattern:+AssociationType (mandatory): The nature of the association to which the object belongs.+DictionaryEntryName (mandatory): The official name of the Association Property.+Version (optional): An indication of the evolution over time of the Association Property.+Definition(mandatory): The semantic meaning of the Association Property.+Cardinality(mandatory): Indication whether the Association Property represents an optional, mandatory and/or repetitive assocation.+ObjectClass(mandatory): The Object Class containing the Association Property.+PropertyTermQualifier (optional): A qualifier is a word or words which	Documentation Rules	R 108	For every ASBIE xsd:element declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references an ASBIE instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be ASBIE.+ò DictionaryEntryName (mandatory): The official name of the ASBIE.+ò VersionID (mandatory): An indication of the evolution over time of the ASBIE instance.+ò Definition (mandatory): The semantic meaning of the ASBIE.+ò Cardinality (mandatory): Indication whether the ASBIE Property represents a not-applicable, optional, mandatory and/or repetitive characteristic of the ABIE.+ò ObjectClassTermName	Yes		DON Comparison							DOC6	The xsd:documentation element for every Association Business Information Entity element declaration MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Association Business Information Entities this must be ôASBIEö.+DictionaryEntryName (mandatory): The official name of the Association Business Information Entity.+Version (optional): An indication of the evolution over time of the Association Business Information Entity.+Definition(mandatory): The semantic meaning of the Association Business Information Entity.+Cardinality(mandatory): Indication whether the Association Business Information Entity	
60	ELD1	Each Schema MUST identify one and only one global element declaration that defines the document level container being conveyed in the Schema expression. That global element MUST include an xsd:annotation child element which MUST further contain an xsd:documentation child element that declares "This element MUST be conveyed as the root element in any instance document based on this Schema expression."	Element Declaration Rules	R 84	A single global element known as the root element MUST be globally declared in a rsm:RootSchema.								ELD1	Each UBL:DocumentSchema MUST identify one and only one global element declaration that defines the document ccts:AggregateBusinessInformationEntity being conveyed in the Schema expression. That global element MUST include an xsd:annotation child element which MUST further contain an xsd:documentation child element that declares "This element MUST be conveyed as the root element in any instance document based on this Schema expression."	

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60	ELD1			R 70	All element declarations MUST be local except for a root element that must be declared globally.										
61	ELD2	All data-centric element declarations MUST be global. All document-centric element declarations SHOULD be global.	Element Declaration Rules	R 15	All element declarations for BBIEs and ASBIEs MUST be locally declared within the parent ABIE type.	Yes							ELD2	All element declarations MUST be global with the exception of ID and Code which MUST be local.	Yes
62	ELD3	For every complex data element identified in the data model, a global element bound to the corresponding xsd:complexType MUST be declared.	Element Declaration Rules	R 70	All element declarations MUST be local except for a root element that must be declared globally.	Yes	ELD2	For every xsd:complexType representing a CCTS:ABIE, a global element MUST be declared.					ELD3	For every class identified in the UBL model, a global element bound to the corresponding xsd:complexType MUST be declared.	
63	ELD4	If an association between two complex data elements is unqualified, the association MUST use the global element declared for the associated complex data element. If an association between two complex data elements is qualified, a new global element representing the qualified association MUST be declared and used.	Element Declaration Rules										ELD4	When a ccts:ASBIE is unqualified, it is bound via reference to the global ccts:ABIE element to which it is associated. When an ccts:ABIE is qualified, a new element MUST be declared and bound to the xsd:complexType of its associated ccts:AggregateBusinessInformationEntity.	
64	ELD5	For each datatype SimpleType definition, an xsd:restriction element MUST be declared.	Element Declaration Rules										ELD5	For each ccts:CCT simpleType, an xsd:restriction element MUST be declared.	
65	ELD6	Code list xsd:import elements MUST contain the namespace and schema location attributes.	Element Declaration Rules							IMP1	The xsd:import element MUST contain the namespace and schema location attributes.	Yes	ELD6	The code list xsd:import element MUST contain the namespace and schema location attributes.	
66	ELD7	Empty elements MUST not be declared.	Element Declaration Rules	R 71	Empty elements MUST NOT be used.					ELD1	Empty elements MUST NOT be declared.		ELD7	Empty elements MUST not be declared.	
67	ELD8	The xsd:any element MUST NOT be used.	Element Declaration Rules	R 58	The xsd:any element MUST NOT be used.					ELD2	The xsd:any element MUST NOT be used.		ELD8	Global elements declared for Qualified BBIE Properties must be of the same type as its corresponding Unqualified BBIE Property. (i.e. Property Term + Representation Term.)	

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68	GNR1	XML element, attribute and type names MUST be in the English language, using the primary American spellings provided in the Oxford English Dictionary for writers and editors.	General Naming Rules	R 6	Element, attribute and type names MUST be composed of words in the English language, using the primary English spellings provided in the Oxford English Dictionary.	Yes	GNR1	DON XML element, attribute, and type names MUST be in the English language, using the Oxford English Dictionary for Writers and Editors (Latest Ed.). Where both American and English spellings of the same word are provided, the American spelling MUST be used.					GNR1	UBL XML element, attribute and type names MUST be in the English language, using the primary English spellings provided in the Oxford English Dictionary.	Yes
69	GNR2	XML element, attribute and type names MUST be consistently derived from ISO 11179 conformant dictionary entry names.	General Naming Rules				GNR2	DON XML element, attribute, and type names MUST conform to CCTS dictionary entry names with all separators and spaces removed.	Yes				GNR2	UBL XML element, attribute and type names MUST be consistently derived from CCTS conformant dictionary entry names.	
70	GNR3									GNR7	Spaces, punctuation, and other non-alphanumeric characters, including colon (“:”), period (“.”), or underscore (”_”) MUST not be used.				
70	GNR3	XML element, attribute and type names constructed from dictionary entry names MUST NOT include periods, spaces, other separators, or characters not allowed by W3C XML 1.0 for XML names.	General Naming Rules	R 11	XML element, attribute and type names constructed from dictionary entry names MUST NOT include periods, spaces, or other separators; or characters not allowed by W3C XML 1.0 for XML names.					GNR8	Ampersands (“&”) in element names MUST not be used. Either omit or replace with the word “And” if needed.		GNR3	UBL XML element, attribute and type names constructed from ccts:DictionaryEntryNames MUST NOT include periods, spaces, other separators, or characters not allowed by W3C XML 1.0 for XML names.	
71	GNR4	XML element, attribute, and simple and complex type names MUST NOT use acronyms, abbreviations, or other word truncations, except those in the list of exceptions published in Appendix XX.	General Naming Rules	R 12	XML element, attribute and type names MUST NOT use acronyms, abbreviations, or other word truncations, except those included in the UN/CEFACT controlled vocabulary or listed in Appendix C.		GNR3	DON enterprise XML element, attribute, and type names MUST NOT use abbreviations or other word truncations (e.g. acronyms), except those in the approved list published by the cognizant FNC.		GNR4	Meaningful, readable element and attribute names MUST be used. Avoid the use of terse, abbreviated names; they are difficult to understand and subject to misinterpretation.	Yes	GNR4	UBL XML element, attribute, and simple and complex type names MUST NOT use acronyms, abbreviations, or other word truncations, except those in the list of exceptions published in Appendix B.	
72	GNR5	Acronyms and abbreviations MUST only be added to the federal approved acronym and abbreviation list after careful consideration for maximum understanding and reuse.	General Naming Rules				GNR4	Abbreviations and acronyms MUST be submitted to an FNC for approval.					GNR5	Acronyms and abbreviations MUST only be added to the UBL approved acronym and abbreviation list after careful consideration for maximum understanding and reuse.	

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73	GNR6	The acronyms and abbreviations listed in Appendix XX MUST always be used.	General Naming Rules				GNR5	The abbreviations and acronyms list approved by the BSC and FNC MUST be used.		GNR11	When abbreviations are necessary, the authorized abbreviations for logical data model classes and attributes in Appendix J of this IRS EDSG document MUST be used.		GNR6	The acronyms and abbreviations listed in Appendix B MUST always be used.	
74	GNR7	XML element, attribute and type names MUST be in singular form unless the concept itself is plural.	General Naming Rules	R 9	Element, attribute and type names MUST be in singular form unless the concept itself is plural.		GNR6	DON XML element, attribute, and type names MUST be in singular form unless the concept itself is plural (example: goods).		GNR12	All element, attribute and type names MUST be in the singular form unless the concept itself is plural.		GNR7	UBL XML element, attribute and type names MUST be in singular form unless the concept itself is plural.	
75	GNR8	The UpperCamelCase (UCC) convention MUST be used for naming elements and types.	General Naming Rules	R 8	Upper camel case (UCC) MUST be used for naming elements and types.		GNR7	The UpperCamelCase (UCC) convention MUST be used for naming elements and types.		GNR9	In both the start tag and end tag, each word of the XML element name MUST be capitalized(upper Camel case).		GNR8	The UpperCamelCase (UCC) convention MUST be used for naming elements and types.	
76	GNR9	The lowerCamelCase (LCC) convention MUST be used for naming attributes.	General Naming Rules	R 7	Lower camel case (LCC) MUST be used for naming attributes.		GNR8	The lowerCamelCase (LCC) convention MUST be used for naming attributes.		GNR10	Lower Camel case MUST be used for an attribute name.		GNR9	The lowerCamelCase (LCC) convention MUST be used for naming attributes.	
77	GTD1	All types MUST be named.	General Type Definition Rules										GTD1	All types MUST be named.	
78	GTD2	The xsd:anyType MUST NOT be used.	General Type Definition Rules										GTD2	The xsd:anyType MUST NOT be used.	

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79	GXS1	Data-centric Schema MUST conform to the following physical layout as applicable:+XML Declaration+<!-- ===== Copyright Notice ===== -->+Any applicable copyright notice+<!-- ===== xsd:schema Element With Namespaces Declarations ===== -->+ xsd:schema element to include version attribute and namespace declarations in the following order:+xmlns:xsd+Target namespace+Default namespace+CommonComplexElements+CommonSimpleElements+Datatypes+Identifier Schemes+Code Lists+Attribute Declarations – elementFormDefault=”qualified” attributeFormDefault=”unqualified” □+<!-- ===== Imports ===== -->+CommonComplexElements schema module(s)+CommonSimpleElements schema module(s)+Unqualified	General XML Schema Rules	R 80	The rsm:RootSchema MUST import the following schema modules: û ram:ReusableABIE Schema Module û udt:UnqualifiedDataType Schema Module û qdt:QualifiedDataType Schema Module				DON Comparison		SCH1	All IRS developed schemas MUST be organized as follows:+XML Declaration+<!-- xsd:schema Element With Namespaces Declarations --> +xsd:schema element to include version attribute and namespace declarations in the following order:+xmlns:xsd +Target namespace +Default namespace+CommonAggregateComponents+CommonBasicComponents+Datatypes +Identifier Schemes +Code Lists +Attribute Declarations +elementFormDefault=”qualified” +attributeFormDefault=”unqualified” +<!-- Imports -->+CommonAggregateComponents schema module+CommonBasicComponents schema module+<!-- Global Attributes --> +Global Attributes and Attribute Groups +<!-- Root Element --> +Root Element Declaration +Root Element	Yes	GXS1	UBL Schema MUST conform to the following physical layout as applicable:+XML Declaration+<!-- ===== Copyright Notice ===== -->+ôCopyright ⌐ 2001-2004 The Organization for the Advancement of Structured Information Standards (OASIS). All rights reserved.+<!-- ===== xsd:schema Element With Namespaces Declarations ===== -->+xsd:schema element to include version attribute and namespace declarations in the following order:+xmlns:xsd+Target namespace+Default namespace+CommonAggregateComponents+CommonBasicComponents+CoreComponentTypes+Datatypes +Identifier Schemes+Code Lists+Attribute Declarations û elementFormDefault=öqualifiedö attributeFormDefault=öunqualifiedö+<!-- ===== Imports ===== --	Yes
79	GXS1			R 4	UN/CEFACT XSD Schema MUST follow the standard structure defined in Appendix B.	Yes									
79	GXS1			R 51	The xsd:elementFormDefault attribute MUST be declared and its value set to ôqualifiedö.										
79	GXS1			R 52	The xsd:attributeFormDefault attribute MUST be declared and its value set to ôunqualifiedö.										
80	GXS2	Federal and Agency schema should provide two normative schemas for each transaction. One schema shall be fully annotated. One schema shall be a run-time schema devoid of documentation.	General XML Schema Rules				GXS2	DON schema developers MAY provide a run-time schema devoid of documentation in addition to the fully annotated version.					GXS2	UBL MUST provide two normative schemas for each transaction. One schema shall be fully annotated. One schema shall be a run-time schema devoid of documentation.	

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81	GXS3	Built-in xsd:simpleType SHOULD be used wherever possible.	General XML Schema Rules				GXS3	DON UDT built-in simple types MUST be used wherever possible.	Yes	SIM3	Built-in XSD simple types SHOULD be used whenever possible.		GXS3	Built-in xsd:simpleType SHOULD be used wherever possible.	
82	GXS4	All W3C XML Schema constructs in federal and Agency Schema and schema modules MUST contain the following namespace declaration on the xsd schema element: xmlns:xsd="http://www.w3.org/2001/XMLSchema"	General XML Schema Rules	R 53	The ôxsdö prefix MUST be used in all cases when referring to http://www.w3.org/2001/XMLSchema as follows: xmlns:xsd=http://www.w3.org/2001/XMLSchema					NMS9	The standard namespace declaration MUST include the following defaults:+ xmlns:xs="http://www.w3.org/2001/XMLSchema" + elementFormDefault="qualified" + attributeFormDefault="unqualified"		GXS4	All W3C XML Schema constructs in UBL Schema and schema modules MUST contain the following namespace declaration on the xsd schema element: xmlns:xsd="http://www.w3.org/2001/XMLSchema"	
83	GXS5	The xsd:SubstitutionGroups feature Should NOT be used In data centric schema. If used, it should only be used in user defined customization schema or when extending Agency or Federal XSD components.	General XML Schema Rules	R 61	xsd:substitutionGroup MUST NOT be used.	Yes	GXS4	The xsd:substitution groups feature SHOULD NOT be used.		GXS2	The xsd:SubstitutionGroups feature MUST NOT be used, with only one exception which is in the case of Code List schemas.	Yes	GXS5	The xsd:SubstitutionGroups feature MUST NOT be used.	Yes
84	GXS6	The xsd:final attribute SHOULD be used where appropriate to control undesireable extensions.	General XML Schema Rules				GXS5	The xsd:final attribute MUST be used on xsd:complexType definitions derived by restriction to prevent further restriction or extensions.	Yes	GXS3	The xsd:final attribute MUST be used to control extensions.	Yes	GXS6	The xsd:final attribute MUST be used to control extensions.	
85	GXS7	xsd:notations MUST NOT be used.	General XML Schema Rules	R 56	xsd:notation MUST NOT be used.		GXS6	xsd:notations MUST NOT be used.		GXS4	xsd:notations MUST NOT be used.		GXS7	xsd:notations MUST NOT be used.	
86	GXS8	The xsd:all element MUST NOT be used in data centric schema.	General XML Schema Rules	R 73	The xsd:all element MUST NOT be used.	Yes	GXS7	The xsd:all element MUST NOT be used.		GXS5	xsd:all MUST NOT be used	Yes	GXS8	The xsd:all element MUST NOT be used.	
87	GXS9	The xsd:choice element SHOULD NOT be used where customisation and extensibility are a concern.	General XML Schema Rules				GXS8	The xsd:choice element MAY be used.					GXS9	The xsd:choice element SHOULD NOT be used where customisation and extensibility are a concern.	
88	GXS10	The xsd:include feature MUST only be used within a root schema.	General XML Schema Rules				GXS15	The xsd:include feature MUST be used only when applicable		GXS6	The xsd:include feature MUST only be used within a document schema.		GXS10	The xsd:include feature MUST only be used within a document schema.	
88	GXS10						SSM9	Xsd:Include MAY only be used in a Development or enterprise run-time root schema							
89	GXS11	The xsd:union technique MUST NOT be used except for Code and Identifier Lists. The xsd:union technique MAY be used for Code and Identifier Lists.	General XML Schema Rules				GXS16	The xsd:union technique MAY be used for code lists.		GXS7	The xsd:union technique MUST NOT be used except for Code Lists. The xsd:union technique MAY be used for Code Lists.		GXS11	The xsd:union technique MUST NOT be used except for Code Lists. The xsd:union technique MAY be used for Code Lists.	

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90	GXS12	Federal or Agency schema MUST NOT use xsd:appinfo.	General XML Schema Rules	R 55	xsd:appInfo MUST NOT be used.		GXS11	DON schema SHOULD NOT use xsd:appinfo. If used, xsd:appinfo MUST only be used to convey non-normative information.		GXS8	IRS schemas SHOULD NOT use xsd:appinfo. If used, xsd:appinfo MUST only be used to convey non-normative information.	Yes	GXS12	UBL designed schema SHOULD NOT use xsd:appinfo. If used, xsd:appinfo MUST only be used to convey non-normative information.	Yes
91	GXS13	Complex Type extension or restriction MAY be used where appropriate.	General XML Schema Rules				GXS12	Complex type extension or restriction MAY be used.		GXS9	Complex Type extension or restriction MAY be used where appropriate.		GXS13	Complex Type extension or restriction MAY be used where appropriate.	
92	IND1	All instance documents MUST validate to a corresponding schema.	Instance Document Rules				IND1	All DON instance documents MUST validate to a corresponding XSD schema.		IND1	All instance documents MUST validate to a corresponding schema.		IND1	All UBL instance documents MUST validate to a corresponding schema.	
93	IND2	Instance documents MUST always identify their character encoding with the XML declaration.	Instance Document Rules				IND2	All DON instance documents MUST always identify their character encoding within the XML declaration, except when using encryption.		IND3	All instance documents MUST always identify their character encoding with the XML declaration.		IND2	All UBL instance documents MUST always identify their character encoding with the XML declaration.	
94	IND3	In conformance with ISO/IETF/ITU/UNCEFACT Memorandum of Understanding Management Group (MOUMG) Resolution 01/08 (MOU/MG01n83), all federal or Agency XML SHOULD be expressed using UTF-8.	Instance Document Rules	R 189	All UN/CEFACT XML MUST be instantiated using UTF . UTF-8 should be used as the preferred encoding. If UTF-8 is not used, UTF-16 MUST be used.	Yes	IND3	All DON XML SHOULD be expressed using UTF-8, except when using encryption.		IND2	All IRS XML SHOULD be expressed using UTF-8.		IND3	In conformance with ISO/IETF/ITU/UNCEFACT Memorandum of Understanding Management Group (MOUMG) Resolution 01/08 (MOU/MG01n83) as agreed to by OASIS, all UBL XML SHOULD be expressed using UTF-8.	
95	IND4	All instance documents MUST contain the following namespace declaration in the root element: xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"	Instance Document Rules				IND4	All DON instance documents MUST contain the following regular expression: "xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance."		IND4	All instance documents MUST contain the following namespace declaration in the root element: xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"		IND4	All UBL instance documents MUST contain the following namespace declaration in the root element: xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"	
96	IND5	Data centric instance documents MUST NOT contain an element devoid of content or null values.	Instance Document Rules				IND5	DON instance documents MUST NOT contain empty elements, except when using Xlink or KeyRef.	Yes	IND5	Instance documents SHOULD NOT contain an element devoid of content or null values.	Yes	IND5	UBL conformant instance documents MUST NOT contain an element devoid of content or null values.	
97	IND6	The absence of a construct or data in an instance document MUST NOT carry meaning.	Instance Document Rules	R 190	UN/CEFACT conformant instance documents MUST NOT contain an element devoid of content.		IND6	An empty element MUST NOT carry meaning.		IND6	The absence of a construct or data in a instance document MUST NOT carry meaning.		IND6	The absence of a construct or data in a UBL instance document MUST NOT carry meaning.	
97	IND6			R 64	The absence of a construct or data MUST NOT carry meaning.										

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98	MDC1	Libraries and Schemas MUST only use approved datatypes.	Modeling Constraints Rules				MDC1	DON XML components MUST be based on approved ccts:UnqualifiedDataTypes that are based on ccts:CoreComponentTypes.	Yes				MDC1	UBL Libraries and Schemas MUST only use ebXML Core Component approved ccts:CoreComponentTypes.	
99	MDC2	Mixed content MUST NOT be used in data centric schema except where contained in an xsd:documentation element.	Modeling Constraints Rules				MDC4	Mixed content MAY only be used when an XML schema component is defined by a namespace from a BSC-approved business standard (e.g., XHTML).	Yes				MDC2	Mixed content MUST NOT be used except where contained in an xsd:documentation element.	
100	NMC1	Each dictionary entry name MUST define one and only one fully qualified path (FQP) for an element or attribute.	Naming Constraints Rules	R 5	Each element or attribute XML name MUST have one and only one fully qualified XPath (FQXP).								NMC1	Each dictionary entry name MUST define one and only one fully qualified path (FQP) for an element or attribute.	
101	NMS1	Every schema module, except internal schema modules, MUST have a namespace declared using the xsd:targetNamespace attribute.	Namespace Rules	R 34	Every UN/CEFACT defined or imported schema module MUST have a namespace declared, using the xsd:targetNamespace attribute.	Yes	NMS12	DON enterprise schema MUST declare a namespace using the xsd:targetNamespace attribute.		NMS10	Every IRS-defined or -used schema module MUST have a namespace declared using the xsd:targetNamespace attribute.	Yes	NMS1	Every UBL-defined or -used schema module MUST have a namespace declared using the xsd:targetNamespace attribute.	Yes
102	NMS2	Every defined or used schema set version MUST have its own unique namespace	Namespace Rules	R 35	Every version of a defined or imported schema module other than internal schema modules MUST have its own unique namespace.	Yes				NMS1	The IRS will use multiple namespaces. Every schema and each subsequent version MUST have its own unique namespace.		NMS2	Every UBL defined or used schema set version MUST have its own unique namespace.	
103	NMS3	Federal Namespaces MUST only contain federally developed schema modules	Namespace Rules				NMS13	The DON enterprise namespace MUST contain only DON-developed schema modules.					NMS3	UBL namespaces MUST only contain UBL developed schema modules.	
104	NMS4	Agency Namespaces MUST only contain agency developed schema modules	Namespace Rules	R 40	UN/CEFACT namespaces MUST only contain UN/CEFACT developed schema modules.		NMS13	The DON enterprise namespace MUST contain only DON-developed schema modules.					NMS3	UBL namespaces MUST only contain UBL developed schema modules.	

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
105	NMS5	The namespace names for Schemas holding draft status MUST be of the form:+urn:	Namespace Rules	R 173	The names for namespaces MUST have the following structure while the schema is at draft status: urn:un:unece:uncefact:identifierlist:draft:<Identifier Scheme. Agency Identifier|Identifier Scheme Agency Name Text>:<Identifier Scheme Identifier|Identifier Scheme Name Text>:<Identifier Scheme Version Identifier> Where: identifierlist = this token identifying the schema as an identifier scheme Identifier Scheme Agency Identifier = the identification of the agency that maintains the identification scheme. Identifier Scheme Agency Name. Text = the name of the agency that maintains the identification list. Identifier Scheme Identifier = the identification of the identification scheme. Identifier Scheme Name. Text = the name of the identification scheme.	Yes	NMS10	The namespace for DON schema holding development status MUST be of this form:+urn:us:gov:dod:don:<service branch>:<FAM>:<command>:<component>:<root name>:<major>:<minor>		NMS5	The namespace name of all IRS developed schemas MUST conform to the following pattern:+urn:us:gov:irs:{structure}:{schema name}-{major version number}.{minor version number}+The structure portion of this pattern is REQUIRED to include the following predefined structure components; all others are REQUIRED to gain prior approval of EDMO before they become valid.+urn:us:gov:irs:common – to store all IRS developed component schemas+urn:us:gov:irs:codelist – to store all IRS developed code list schemas		NMS4	The namespace names for UBL Schemas holding committee draft status MUST be of the form:+urn:oasis:names:tc:ubl:schema:<subtype>:<document-id>	Yes

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
105	NMS5			R 38	The names for namespaces MUST have the following structure while the schema is at draft status: urn:un:unece:uncefact:<schematype>:draft:<name>:<major>.[<minor>].[<revision] Where: schematype = a token identifying the type of schema module: data|process|codelist|identifierlist|documentation name = the name of the module (using upper camel case) major = the major version number. Sequentially assigned, first release starting with the number 1. minor = the minor version number within a major release. Sequentially assigned, first release starting with the number 0. Not applicable for code list or identifier list schema. revision = sequentially assigned alphanumeric character for each revision of a minor release. Only applicable where status = draft and schema type does	Yes									

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Comparison	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
105	NMS5			R 155	The names for namespaces MUST have the following structure while the schema is at draft status: urn:un:unece:uncefact:codelist:draft:<Code List Agency Identifier|Code List Agency Name Text>:<Code List Identification. Identifier|Code List Name Text>:<Code List Version. Identifier> Where: codelist = this token identifying the schema as a code list Code List Agency Identifier = identifies the agency that manages a code list. The default agencies used are those from DE 3055 but roles defined in DE 3055 cannot be used. Code List Agency Name Text = the name of the agency that maintains the code list. Code List Identification Identifier = identifies a list of the respective corresponding codes. listID is only unique within the agency that manages this code list. Code List Name	Yes									

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule Comparison	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
106	NMS6			R 156	The namespace names for schema holding specification status MUST be of the form: urn:un:unece:uncefact:codelist:standard:<Code List. Agency Identifier|Code List Agency Name Text>:<Code List Identification. Identifier|Code List Name Text>:<Code List Version Identifier> Where: codelist = this token identifying the schema as a code list Code List Agency Identifier = identifies the agency that manages a code list. The default agencies used are those from DE 3055 but roles defined in DE 3055 cannot be used. Code List Agency Name Text = the name of the agency that maintains the code list. Code List Identification Identifier = identifies a list of the respective corresponding codes. listID is only unique within the agency that manages this code list. Code List Name Text = the name of a list of	Yes								

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
106	NMS6	The namespace names for Schemas holding Approved status MUST be of the form: +urn:	Namespace Rules	R 174	The namespace names for identifier list schema holding specification status MUST be of the form: urn:un:unece:uncefact:identifierlist:standard:<Identifier Scheme. Agency Identifier|Identifier Scheme Agency Name Text>:<Identifier Scheme Identifier|Identifier Scheme Name Text>:<Identifier Scheme. Version Identifier> Where: identifierlist = this token identifying the schema as an identifier scheme Identifier Scheme Agency Identifier = the identification of the agency that maintains the identification scheme. Identifier Scheme Agency Name. Text = the name of the agency that maintains the identification scheme. Identifier Scheme Identifier = the identification of the identification scheme. Identifier Scheme Name. Text = the name of the identification scheme. Identifier Scheme Version.	Yes	NMS8	The namespace for DON Identifier schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:<identifierName>:<major>:<minor>.					NMS5	The namespace names for UBL Schemas holding OASIS Standard status MUST be of the form:+urn:oasis:names:specification:ubl:schema:<subtype>:<document-id>	Yes
106	NMS6			R 37	UN/CEFACT namespaces MUST be defined as Uniform Resource Names										

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
106	NMS6			R 39	The namespace names for schema holding specification status MUST be of the form: urn:un:unece:uncefact:<schematype>:standard:<name>:<major>.[<minor>] Where: schematype = a token identifying the type of schema module: data|process|codelist|identifierlist|documentation name = the name of the module major = the major version number, sequentially assigned, first release starting with the number 1. minor = the minor version number within a major release, sequentially assigned, first release starting with the number 0. Not applicable for code list or identifier list schema. 3936 3937 3938 3939 3940 3941 3942 3943 3944 3945 3946 3947 3948 3949 3950 3951 3952 3953 3954 3955 3956 3957 3958 3959 3960 3961 3962 3963 3964 3965 3966 3967 3968 3969 3970 3971 3972 3973 3974 3975	Yes									
107	NMS7	Published namespaces MUST never be changed.	Namespace Rules	R 36	UN/CEFACT published namespace declarations or contents MUST never be changed.	Yes				NMS7	IRS published namespaces MUST never be changed.		NMS6	UBL published namespaces MUST never be changed.	
108	NMS8	Each Federal and Agency Common Complex Data Elements Schema Module MUST reside in its own namespace.	Namespace Rules							NMP2	The IRS CommonAggregateComponents schema module MUST reside in its own namespace and MUST be represented by the prefix token "irscac".		NMS7	The ubl:CommonAggregateComponents schema module MUST reside in its own namespace.	
109	NMS9	Each Federal and Agency Common Complex Data Elements Schema Module MUST be represented by the token "CCD[agencyid][majorversion][minorversion]".	Namespace Rules							NMP2	The IRS CommonAggregateComponents schema module MUST reside in its own namespace and MUST be represented by the prefix token "irscac".	Yes	NMS8	The ubl:CommonAggregateComponents schema module MUST be represented by the token "cac".	Yes

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110	NMS10	Each Federal and Agency Common Simple Data Elements Schema Module MUST reside in its own namespace.	Namespace Rules							NMP3	The IRS CommonBasicComponents schema module MUST reside in its own namespace and MUST be represented by the prefix token "irscbc".		NMS9	The ubl:CommonBasicComponents schema module MUST reside in its own namespace.	
111	NMS11	Each Common Simple Data Elements schema module MUST be represented by the token "csd[agencyid][majorversion][minorversion]".	Namespace Rules							NMP3	The IRS CommonBasicComponents schema module MUST reside in its own namespace and MUST be represented by the prefix token "irscbc".	Yes	NMS10	The UBL:CommonBasicComponents schema module MUST be represented by the token "cbc".	
112	NMS12	Each Federal and Agency Unqualified Datatype schema module MUST reside in its own namespace.	Namespace Rules										NMS13	The ccts:UnspecializedDatatype schema module MUST reside in its own namespace.	
113	NMS13	Each Federal and Agency Unqualified Datatype schema module namespace MUST be represented by the token "udt[agencyid][majorversion][minorversion]".	Namespace Rules	R 123	The Unqualified Data Type schema module namespace MUST be represented by the token "udt".		NMS6	The namespace for DON UDT schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:udt: <major>:<minor>.	Yes				NMS14	The ccts:UnspecializedDatatype schema module namespace MUST be represented by the token "udt".	Yes
114	NMS14	Each Federal and Agency Qualified Datatypes schema module MUST reside in its own namespace.	Namespace Rules							NMP4	The IRS SpecializedDatatypes schema module MUST reside in its own namespace and MUST be represented by the prefix token "irssdt".		NMS15	The ubl:SpecializedDatatypes schema module MUST reside in its own namespace.	
115	NMS15	Each Federal and Agency Qualified Datatypes schema module namespace MUST be represented by the token "qdt[agencyid][majorversion][minorversion]".	Namespace Rules	R 142	The UN/CEFACT:QualifiedDataType schema module namespace MUST be represented by the token ôqdtö.		NMS5	The namespace for DON QDT schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:qdt: <major>:<minor>.	Yes	NMP4	The IRS SpecializedDatatypes schema module MUST reside in its own namespace and MUST be represented by the prefix token "irssdt".	Yes	NMS16	The ubl:SpecializedDatatypes schema module namespace MUST be represented by the token "sdt".	Yes
116	NMS16	Each CodeList schema module MUST be maintained in a separate namespace.	Namespace Rules				NMS14	Each DON:CodeList schema module MUST be maintained in a separate namespace.		CDL5	Each code list schema MUST have its own unique namespace.		NMS17	Each UBL:CodeList schema module MUST be maintained in a separate namespace.	
117	RED1	Every instance document must use the global element defined as the root element in the schema as its root element.	Root Element Declaration Rules				RED2	Every root element in a DON document MUST be named according to the portion of the business process or document it initiates.	Yes				RED1	Every UBL instance document must use the global element defined as the root element in the schema as its root element.	
118	SSM1	Root Schema expressions MAY be split into multiple schema modules.	Schema Structure Modularity Rules										SSM1	UBL Schema expressions MAY be split into multiple schema modules.	

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON_Comparison	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
119	SSM2	A root schema in one namespace that is dependent upon type definitions or element declarations defined in another namespace MUST only import the root schema from that namespace.	Schema Structure Modularity Rules	R 81	A rsm:RootSchema in one UN/CEFACT namespace that is dependent upon type definitions or element declaration defined in another namespace MUST import the rsm:RootSchema from that namespace.						SSM1	A document schema in one namespace that is dependent upon type definitions or element declarations defined in another namespace MUST import the document schema from that namespace.	Yes	SSM2	A document schema in one UBL namespace that is dependent upon type definitions or element declarations defined in another namespace MUST only import the document schema from that namespace.	
120	SSM3	A root schema in one namespace that is dependant upon type definitions or element declarations defined in another namespace MUST NOT import internal schema modules from that namespace.	Schema Structure Modularity Rules	R 82	A rsm:RootSchema in one UN/CEFACT namespace that is dependant upon type definitions or element declarations defined in another namespace MUST NOT import Schema Modules from that namespace other than the rsm:RootSchema.						SSM1	A document schema in one namespace that is dependent upon type definitions or element declarations defined in another namespace MUST import the document schema from that namespace.	Yes	SSM3	A UBL document schema in one UBL namespace that is dependant upon type definitions or element declarations defined in another namespace MUST NOT import internal schema modules from that namespace.	
121	SSM4	All imported schema modules MUST be fully conformant with the Federal XML naming and design rules.	Schema Structure Modularity Rules	R 33	Imported schema modules MUST be fully conformant with the UN/CEFACT XML Naming and Design Rules Technical Specification and the Core Components Technical Specification.	Yes								SSM4	Imported schema modules MUST be fully conformant with UBL naming and design rules.	
122	SSM5	Schema modules MUST either be treated as external schema modules or as internal schema modules of the root schema.	Schema Structure Modularity Rules	R 18	UN/CEFACT XSD schema modules MUST either be treated as external schema modules or as internal schema modules of the root schema.						SSM3	IRS schema modules MUST either be treated as external schema modules or as internal schema modules of the document schema.		SSM5	UBL schema modules MUST either be treated as external schema modules or as internal schema modules of the document schema.	
123	SSM6	All internal schema modules MUST be in the same namespace as their corresponding root schema.	Schema Structure Modularity Rules	R 90	All UN/CEFACT internal schema modules MUST be in the same namespace as their corresponding rsm:RootSchema.						SSM2	All internal schema modules MUST be in the same namespace as their corresponding document schema.		SSM6	All UBL internal schema modules MUST be in the same namespace as their corresponding document schema.	
123	SSM6			R 19	All UN/CEFACT internal schema modules MUST be in the same namespace as their corresponding rsm:RootSchema.											

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124	SSM7	Each internal schema module MUST be named ParentSchemaModuleName}{InternalSchemaModuleFunction}{schema module}	Schema Structure Modularity Rules	R 20	Each UN/CEFACT internal schema module MUST be named <ParentRootSchemaModuleName><InternalSchemaModuleFunction>SchemaModule					SCF3	Each internal schema module MUST be named {ParentSchemaModuleName}{InternalSchemaModuleFunction}{schema module}		SSM7	Each UBL internal schema module MUST be named {ParentSchemaModuleName}{InternalSchemaModuleFunction}{schema module}	
125	SSM8	A schema module defining all Federal Common Complex Data Elements MUST be created.	Schema Structure Modularity Rules	R 27	A Reusable Aggregate Business Information Entity schema module MUST be created								SSM9	A schema module defining all ubl:CommonAggregateComponents MUST be created.	
126	SSM9	The Federal Common Complex Data Elements schema module MUST be named "fed:Common Complex Data Elements Schema Module"	Schema Structure Modularity Rules	R 28	The ram:ReusableAggregateBusinessInformationEntity schema module MUST be named "UN/CEFACT Reusable Aggregate Business Information Entity Schema Module"	Yes							SSM10	The ubl:CommonAggregateComponents schema module MUST be named "ubl:CommonAggregateComponents Schema Module"	
127	SSM10	A schema module defining all Federal Common Simple Data Elements MUST be created.	Schema Structure Modularity Rules										SSM11	A schema module defining all ubl:CommonBasicComponents MUST be created.	
128	SSM11	The Federal Common Simple Data Elements schema module MUST be named "fed:CommonSimpleDataElements Schema Module"	Schema Structure Modularity Rules										SSM12	The ubl:CommonBasicComponents schema module MUST be named "ubl:CommonBasicComponents Schema Module"	
129	SSM15	The Federal Qualified Datatypes schema module MUST be named "fed:Qualified Datatypes schema module"	Schema Structure Modularity Rules	R 142	The UN/CEFACT:QualifiedDataType schema module namespace MUST be represented by the token ôqdtö.	Yes							SSM19	The ubl:SpecializedDatatypes schema module MUST be named "ubl:SpecializedDatatypes schema module"	
130	SSM16	Agencies MAY create Agency level schema modules for reusable components not included in Federal level schema. Agencies SHOULD submit all Agency reusable components for consideration as Federal level reusable components.	Schema Structure Modularity Rules												
131	SSM17	A schema module defining Agency Common Complex Data Elements MAY be created.	Schema Structure Modularity Rules												

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132	SSM18	Agency Common Complex Data Element schema modules MUST be named "<agencyToken>:<AgencyName> CommonComplexDataElements Schema Module"	Schema Structure Modularity Rules													
133	SSM19	A schema module defining all Agency Common Simple Data Elements MAY be created.	Schema Structure Modularity Rules													
134	SSM20	Agency Common Simple Data Elements schema modules MUST be named "fed: <agencyToken>:<AgencyName> Common Simple Data Elements Schema Module"	Schema Structure Modularity Rules													
135	SSM21	A schema module defining all Agency Unqualified Datatypes MAY be created.	Schema Structure Modularity Rules	R 23	An Unqualified Data Type schema module MUST be created	Yes								SSM16	A schema module defining all ccts:UnspecializedDatatypes MUST be created.	Yes
136	SSM22	Agency Unqualified Datatype schema modules MUST be named "<agencyToken>:<AgencyName> Unqualified Datatype Schema Module"	Schema Structure Modularity Rules	R 24	The udt:UnqualifiedDataType schema module MUST be named "UN/CEFACT Unqualified Data Type Schema Module" 3884 3885 3886 3887 3888 3889 3890 3891 3892 3893 3894 3895 3896 3897 3898 3899 3900 3901 3902 3903 3904 3905 3906 3907 3908 3909 3910 3911 3912 3913 3914 3915 3916 3917 3918 3919 3920 3921 3922 3923 3924 3925 3926 3927 3928 3929 3930 3931 3932 3933 3934 3935	Yes								SSM17	The ccts:UnspecializedDatatype schema module MUST be named "ccts:UnspecializedDatatype Schema Module"	
137	SSM23	A schema module defining all Agency Qualified Datatypes MAY be created.	Schema Structure Modularity Rules	R 25	A Qualified Data Type schema module MUST be created..	Yes								SSM18	A schema module defining all ubl:SpecializedDatatypes MUST be created.	Yes
138	SSM24	Agency Qualified Datatypes schema modules MUST be named <agencyToken>:<AgencyName> Qualified Datatypes schema module"	Schema Structure Modularity Rules	R 26	The qdt:QualifiedDataType schema module MUST be named "UN/CEFACT Qualified Data Type Schema Module"	Yes								SSM19	The ubl:SpecializedDatatypes schema module MUST be named "ubl:SpecializedDatatypes schema module"	

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139	STA1	All schema design rules MUST be based on the W3C XML Schema Recommendations: XML Schema Part 1: Structures and XML Schema Part 2: Datatypes.	Standards Adherence Rules	R 1	Conformance shall be determined through adherence to the content of normative sections, rules and definitions.		STA1	All DON XSD schema design MUST be based on the W3C XML Schema Recommendations: XML Schema Part 1: Structures and XML Schema Part 2: Datatypes.		STA1	All IRS schema design rules MUST be based on the W3C XML Schema Recommendations: XML Schema Part 1: Structures and XML Schema Part 2: Datatypes.		STA1	All UBL schema design rules MUST be based on the W3C XML Schema Recommendations: XML Schema Part 1: Structures and XML Schema Part 2: Datatypes.	
140	STA2	All schema and messages MUST be based on the W3C suite of technical specifications holding recommendation status.	Standards Adherence Rules	R 3	All UN/CEFACT XSD Schema and UN/CEFACT conformant XML instance documents MUST be based on the W3C suite of technical specifications holding recommendation status.		STA2	All DON schema and messages MUST be based on the W3C suite of technical specifications holding recommendation status.		STA2	All IRS schema and messages MUST be based on the W3C suite of technical specifications holding recommendation status.		STA2	All UBL schema and messages MUST be based on the W3C suite of technical specifications holding recommendation status.	
141	STA3	Proprietary extensions to the W3C specifications MUST never be used.	Standards Adherence Rules												
142	STN1	Each xsd:simpleType definition name MUST be the datatype dictionary entry name with the separators removed.	SimpleType Naming Rules	R 181	The name of the xsd:simpleType MUST be the name of root element with the word ôContentTypeö appended. 4558 4559 4560 4561 4562 4563 4564 4565 4566 4567 4568 4569 4570 4571 4572 4573 4574 4575 4576 4577	Yes				GNR5	All complexTypes and simpleTypes MUST have the word "Type" appended to the end of the name. Elements declared as being of these MUST have the word "Type" dropped from the element name.	Yes	STN1	Each ccts:CCT xsd:simpleType definition name MUST be the ccts:CCT dictionary entry name with the separators removed.	

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142	STN1			R 100	Each BBIE element name declaration MUST be based on the property term and qualifiers and the representation term of the basic business information entity (BBIE). If there are successive duplicate words in the property term and representation terms of the source dictionary entry name, then the duplicate words MUST be removed. 4079 4080 4081 4082 4083 4084 4085 4086 4087 4088 4089 4090 4091 4092 4093 4094 4095 4096 4097 4098 4099 4100 4101 4102 4103 4104 4105 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4122 4123 4124 4125 4126 4127 4128 4129 4130 4131 4132									
143	STD1	For every datatype whose metadata components map directly onto the properties of a built-in xsd:DataType, the datatype MUST be defined as a named xsd:simpleType in the fed:unqualifiedDatatype schema module.	SimpleType Definition Rules	R 102	The BBIE element MUST be based on an appropriate data type that is defined in the UN/CEFACT qdt:QualifiedDataType or udt:UnqualifiedDataType schema modules.									STD1	For every ccts:CCT whose supplementary components map directly onto the properties of a built-in xsd:DataType, the ccts:CCT MUST be defined as a named xsd:simpleType in the ccts:CCT schema module.	

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144	STR1	To ensure conformance with both statutory and policy requirements contained in Public Law 104-113 and Office of Management and Budget Circular A-119, all Federal XML implementations must adhere to the following hierarchy of standards in creating and using XML+- De jure Voluntary Consensus Standards+- Cross-sector Voluntary Consensus Standards+- Sector specific Voluntary Consensus Standards+- Federal Enterprise Wide Standards+- Agency specific standards	Standards Adherence Rules					DON_Comparison							
145	STR2	Agencies SHOULD create Agency level policy, procedures and guidance to ensure XML is developed and governed at an enterprise level	Standards Adherence Rules												
146	STR3	Agencies SHOULD promote Agency level XML components to candidate federal level components and candidate Voluntary Consensus Standards Bodies	Standards Adherence Rules												
147	VER1	Every federal and Agency Schema and schema module major version committee draft MUST have a document-id of the form +<name>-<major>.0[.<revision>]	Versioning Rules	R 44	Every schema major version MUST have the URI of: urn:un:unece:uncefact:<schematype>:<status>:<name>:<major>.0.[<revision>]		VER5	Every major- or minor-version enterprise DON schema MUST include the version information of: <major>:<minor> of the namespace name.	Yes	SCF1	The schema file name of each IRS schema, that is not a code list, MUST be of the form:+IRS-{Schema Name}-{Schema Version}.xsd+For example, the proper name for the taxpayer schema will be IRS-Taxpayer-1.0.xsd, where 1.0 is the version number.		VER1	Every UBL Schema and schema module major version committee draft MUST have an RFC 3121 document-id of the form+<name>-<major>.0[.<revision>]	

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147	VER1									VER1	Every major version release of an IRS schema or schema module MUST have its unique namespace end with: major-number.0 (where the zero represents the minor version which is always set to zero when a major revision is incremented)				
148	VER2	Every federal and Agency Schema and schema module major version Standard MUST have a document-id of the form +<name>-<major>.0	Versioning Rules				VER5	Every major- or minor-version enterprise DON schema MUST include the version information of: <major>:<minor> of the namespace name.	Yes	SCF1	The schema file name of each IRS schema, that is not a code list, MUST be of the form:+IRS-{Schema Name}-{Schema Version}.xsd+For example, the proper name for the taxpayer schema will be IRS-Taxpayer-1.0.xsd, where 1.0 is the version number.		VER2	Every UBL Schema and schema module major version OASIS Standard MUST have an RFC 3121 document-id of the form+<name>-<major>.0	
148	VER2									VER2	Every schema and schema module major version number MUST be sequentially assigned, incremental number greater than zero				
149	VER3	Every minor version schema or schema module draft MUST have a document-id of the form +<name>-<major >.<non-zero>[.<revision>]	Versioning Rules							VER3	The first minor version release of an IRS schema or schema module MUST have its unique namespace end with: major-number.non-zero		VER3	Every minor version release of a UBL schema or schema module draft MUST have an RFC 3121 document-id of the form+<name>-<major >.<non-zero>[.<revision>]	
150	VER4	Every minor version schema or schema module Standard MUST have an document-id of the form +<name>-<major >.<non-zero>	Versioning Rules	R 47	Every UN/CEFACT XSD Schema minor version MUST have the URI of: urn:un:unece:uncefact:cc:schema:<name>:<major>.<non-zero integer>.[<revision>]					VER3	The first minor version release of an IRS schema or schema module MUST have its unique namespace end with: major-number.non-zero		VER4	Every minor version release of a UBL schema or schema module OASIS Standard MUST have an RFC 3121 document-id of the form+<name>-<major >.<non-zero>	
151	VER5	For minor version changes, the name of the version construct MUST NOT change.	Versioning Rules	R 48	For UN/CEFACT minor version changes, the name of the schema construct MUST NOT change.					VER4	For minor version changes, the name of the version construct MUST NOT change (short name not qualified name), unless the intent of the change is to rename the construct.	Yes	VER5	For UBL Minor version changes, the name of the version construct MUST NOT change	

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152	VER6	Every schema and schema module major version number MUST be a sequentially assigned, incremental number greater than zero.	Versioning Rules	R 45	Every UN/CEFACT XSD Schema and schema module major version number MUST be a sequentially assigned incremental integer greater then zero.		VER3	The major-version field of a namespace or schema MUST be incremented when the proposed Schema changes impact the compatibility of any previous XML instance based on the related Schema.		Yes	VER2	Every schema and schema module major version number MUST be sequentially assigned, incremental number greater than zero		VER6	Every UBL Schema and schema module major version number MUST be a sequentially assigned, incremental number greater than zero.	
153	VER7	Every schema and schema module minor version number MUST be a sequentially assigned, incremental non-negative integer.	Versioning Rules								VER5	Every schema and schema module minor version number MUST be a sequentially assigned, incremental non-negative integer.		VER7	Every UBL Schema and schema module minor version number MUST be a sequentially assigned, incremental non-negative integer.	
154	VER8	A minor version document schema MUST import its immediately preceding version document schema.	Versioning Rules	R 50	UN/CEFACT minor version schema MUST incorporate all XML constructs from the immediately preceding major or minor version schema.						VER6	A minor version document schema MUST import its immediately preceding minor version document schema.		VER8	A UBL minor version document schema MUST import its immediately preceding version document schema.	
155	VER9	Schema and schema module minor version changes MUST be limited to the use of xsd:extension or xsd:restriction to optionally alter existing types or add new constructs.	Versioning Rules	R 46	Minor versioning MUST be limited to declaring new optional XSD constructs, extending existing XSD constructs and refinements of an optional nature.						VER7	Schema and schema module minor version changes MUST be limited to the use of xsd:extension or xsd:restriction to alter existing types or add new constructs.		VER9	UBL Schema and schema module minor version changes MUST be limited to the use of xsd:extension or xsd:restriction to alter existing types or add new constructs.	
156	VER10	Schema and schema module minor version changes MUST not break semantic compatibility with prior versions.+	Versioning Rules	R 49	Changes in minor versions MUST NOT break semantic compatibility with prior versions.		VER8	Minor version changes to enterprise, qualified data types, and root schema components MUST be backward compatible and validate all previous versions of XML instances.			VER8	Schema and schema module minor version changes MUST not break semantic compatibility with prior versions.		VER10	UBL Schema and schema module minor version changes MUST not break semantic compatibility with prior versions.	
157				R 2	All UN/CEFACT XSD Schema design rules MUST be based on the W3C XML Schema Recommendations: XML Schema Part 1: Structures and XML Schema Part 2: Data Types.											
158				R 10	Element, attribute and type names MUST be drawn from the following character set: a-z and A-Z.											

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159				R 13	Acronyms and abbreviations at the beginning of an attribute declaration MUST appear in all lower case. All other acronym and abbreviation usage in an attribute declaration must appear in upper case.											
160				R 14	Acronyms MUST appear in all upper case for all element declarations and type definitions.											
161				R 16	A root schema MUST be created for each unique business information exchange.											
162				R 17	A root schema MUST NOT replicate reusable constructs available in schema modules capable of being referenced through xsd:include or xsd:import.											
163				R 21	A Core Component Type schema module MUST be created											
164				R 22	The cct:CoreComponentType schema module MUST be named "CCTS CCT Schema Module"											

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165				R 30	The name of each clm:CodeList schema module MUST be of the form: <Code List Agency Identifier|Code List Agency Name><Code List Identification Identifier|Code List Name> - Code List Schema Module Where: Code List Agency Identifier = Identifies the agency that maintains the code list Code List Agency Name = Agency that maintains the code list Code List Identification Identifier = Identifies a list of the respective corresponding codes Code List Name = The name of the code list as assigned by the agency that maintains the code list											
166				R 31	An Identifier List schema module MUST be created to convey enumeration values for each identifier list that requires run time validation.											

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167				R 32	The name of each ids:IdentifierList schema module MUST be of the form: <Identifier Scheme Agency Identifier|Identifier Scheme Agency Name><Identifier Scheme Identifier|Identifier Scheme Name> - Identifier List Schema Module Where: Identifier Scheme Agency Identifier = The identification of the agency that maintains the identification scheme Identifier Scheme Agency Name = Agency that maintains the identifier list Identifier Scheme Identifier = The identification of the identification scheme Identification Scheme Name = Name as assigned by the agency that maintains the identifier list										

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168				R 41	The general structure for schema location MUST be: http://www.unece.org/uncefact/<schematype>/<name>_<major>.<minor>.[<revision>]_[<status>].xsd Where: schematype = a token identifying the type of schema module: data|process|codelist|identifierlist|documentation name = the name of the module (using upper camel case) major = the major version number, sequentially assigned, first release starting with the number 1. minor = the minor version number within a major release, sequentially assigned, first release starting with the number 0. revision = sequentially assigned alphanumeric character for each revision of a minor release. Only applicable where status = draft. status = the status of the schema as: draft|standard								
169				R 42	Each xsd:schemaLocation attribute declaration MUST contain a persistent and resolvable URL.										
170				R 43	Each xsd:schemaLocation attribute declaration URL MUST contain an absolute path.										
171				R 54	The xsi prefix SHALL be used where appropriate for referencing xsd:schemaLocation and xsd:noNamespaceLocation attributes in instance documents.										
172				R 57	xsd:wildcard MUST NOT be used.										
173				R 60	Mixed content MUST NOT be used (excluding documentation).										

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174				R 62	xsd:ID/IDREF MUST NOT be used. 3983 3984 3985 3986 3987 3988 3989 3990 3991 3992 3993 3994 3995 3996 3997 3998 3999 4000 4001 4002 4003 4004 4005 4006 4007 4008 4009 4010 4011 4012 4013 4014 4015 4016 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026 4027											
175				R 63	xsd:key/xsd:keyref MUST be used for information association.											
176				R 66	An attribute of a supplementary component with variable information MUST be based on the appropriate built-in XSD data type.											
177				R 67	An attribute of a supplementary component which represents codes MUST be based on the xsd:simpleType of the appropriate code list											
178				R 68	An attribute of a supplementary component which represents identifiers MUST be based on the xsd:simpleType of the appropriate identifier scheme.											
179				R 72	The xsd:type of each leaf element declaration MUST be of the data type of its source business information entity (BBIE) or complex type of its source association business information entity (ASBIE).											
180				R 74	All type definitions MUST be named.											
181				R 75	Data type definitions MUST NOT duplicate the functionality of an existing data type definition..											

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182				R 76	xsd:extension MUST only be used in the cct:CoreComponentType schema module and the udt:UnqualifiedDataType schema module. When used it MUST only extend a built-in XSD datatype.											
183				R 77	When xsd:restriction is applied to a xsd:simpleType or xsd:complexType the derived construct MUST use a different name.											
184				R 78	Each UN/CEFACT defined or declared construct MUST use the xsd:annotation element for required CCTS documentation.											
185				R 79	The root schema module MUST be represented by a unique token.											
186				R 83	The rsm:RootSchema MUST include any internal schema modules that reside in the root schema namespace.											
187				R 85	The name of the root element MUST be the name of the Message Assembly with separators and spaces removed.											
188				R 86	Root schema MUST define a single xsd:complexType that fully describes the business information exchange. 4028 4029 4030 4031 4032 4033 4034 4035 4036 4037 4038 4039 4040 4041 4042 4043 4044 4045 4046 4047 4048 4049 4050 4051 4052 4053 4054 4055 4056 4057 4058 4059 4060 4061 4062 4063 4064 4065 4066 4067 4068 4069 4070 4071 4072 4073 4074 4075 4076 4077 4078											

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189				R 87	The name of the top-level complex type MUST be the name of the root element with the word ôTypeö appended.											
190				R 88	The xsd:complexType of the root element must be the top-level complex type.											
191				R 89	For every rsm:RootSchema root element declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references the Message Assembly instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be RSM.+ò Name (mandatory): The name of the Message Assembly+ò VersionID (mandatory): An indication of the evolution over time of a Message Assembly.+ò Description (mandatory): A brief description of the business information exchange.+ò BusinessDomain (mandatory, repetitive): The TBG group(s) that developed this Message Assembly.+ò BusinessProcessContext (mandatory, repetitive): The										
192				R 91	The internal schema module MUST be represented by the same token as its rsm:RootSchema.											
193				R 92	The Reusable Aggregate Business Information Entity schema module MUST be represented by the token ôramö.											

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194				R 93	The ram:ReusableAggregateBusinessInformationEntity schema MUST import the following schema modules: û udt:UnqualifiedDataType Schema Module û qdt:QualifiedDataType Schema Module											
195				R 97	Recursion of xsd:sequence and/or xsd:choice MUST NOT occur.											
196				R 99	For every attribute of an object class (BBIE) identified in an ABIE, a named xsd:element MUST be locally declared within the xsd:complexType representing that ABIE.											
197				R 101	If the representation term of a BBIE is ætextÆ, it MUST be removed.											
198				R 103	For every association (ASBIE) identified in the UN/CEFACT syntax-neutral model, a named xsd:element MUST be locally declared within the xsd:complexType representing the ABIE.											
199				R 104	Each ASBIE element name declaration MUST be based on the property term and object class of the association business information entity (ASBIE). If there are successive duplicate words in the property term and object class of the associated ABIE, then the duplicate words MUST be removed.											
200				R 109	The core component type (CCT) schema module MUST be represented by the token "cct".											

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201				R 110	The cct:CoreCoreComponentType schema module MUST NOT include or import any other schema modules.											
202				R 111	Every cct:CoreComponentType MUST be defined as a named xsd:complexType in the cct:CoreComponentType schema module.											
203				R 112	The name of each xsd:complexType based on a cct:CoreComponentType MUST be the dictionary entry name of the core component type (CCT), with the separators and spaces removed.											
204				R 113	Each cct:CoreComponentType xsd:complexType definition MUST contain one xsd:simpleContent element.											
205				R 115	Within the cct:CoreComponentType xsd:extension element a xsd:attribute MUST be declared for each supplementary component pertaining to that cct:CoreComponentType.											
206				R 116	Each cct:CoreComponentType supplementary component xsd:attribute "name" MUST be the CCTS supplementary component dictionary entry name with the separators and spaces removed.											

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207				R 117	If the object class of the supplementary component dictionary entry name contains the name of the representation term of the parent CCT, the duplicated object class word or words MUST be removed from the supplementary component xsd:attribute name.											
208				R 118	If the object class of the supplementary component dictionary entry name contains the term æidentificationÆ, the term æidentificationÆ MUST be removed from the supplementary component xsd:attribute name.											
209				R 119	If the representation term of the supplementary component dictionary entry name is ætextÆ, the representation term MUST be removed from the supplementary component xsd:attribute name.											
210				R 120	The attribute representing as supplementary component MUST be based on the appropriate built-in XSD data type.											

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211				R 122	For every supplementary component xsd:attribute declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references a Supplementary Component instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be SC.+ò DictionaryEntryName (mandatory): The official name of the Supplementary Component.+ò Definition (mandatory): The semantic meaning of the Supplementary Component.+ò ObjectClassTermName (mandatory): The Object Class of the Supplementary Component.+ò PropertyTermName (mandatory): The Property Term of the Supplementary Component.+ò									
212				R 124	The udt:UnqualifiedDataType schema MUST NOT import any other schema modules than the following: û ids:IdentifierList schema modules û clm:CodeList schema modules										
213				R 125	A udt:UnqualifiedDataType MUST be defined for each approved primary and secondary representation terms identified in the CCTS Permissible Representation Terms table.										

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214				R 127	For every udt:UnqualifiedDataType whose supplementary components map directly to the properties of a built-in xsd:dataTtpe, the udt:UnqualifiedDataType MUST be defined as a named xsd:simpleType in the udt:UnqualifiedDataType schema module.											
215				R 128	Every udt:UnqualifiedDataType defined as a xsd:simpleType MUST contain one xsd:restriction element. This xsd:restriction element MUST include an xsd:base attribute that defines the specific built-in XSD data type required for the content component.											
216				R 129	For every udt:UnqualfiedDataType whose supplementary components are not equivalent to the properties of a built-in XSD data type, a udt:UnqualifiedDataType MUST be defined as an xsd:complexType in the udt:UnqualifiedDataType schema module.											
217				R 130	Every udt:UnqualifiedDataType xsd:complexType definition MUST contain one xsd:simpleContent element.											
218				R 131	Every udt:UnqualifiedDataType xsd:complexType xsd:simpleContent element MUST contain one xsd:extension element. This xsd:extension element must include an xsd:base attribute that defines the specific built-in XSD datatype required for the content component.											

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219				R 132	Within the udt:UnqualifiedDataType xsd:complextype xsd:extension element an xsd:attribute MUST be declared for each supplementary component pertaining to the underlying CCT, unless the attribute is contained in the namespace declaration. 4293 4294 4295 4296 4297 4298 4299 4300 4301 4302 4303 4304 4305 4306 4307 4308 4309 4310 4311 4312 4313 4314 4315 4316 4317 4318 4319 4320 4321 4322 4323 4324 4325 4326 4327 4328 4329 4330 4331 4332 4333 4334 4335 4336 4337 4338 4339 4340 4341 4342 4343 4344 4345 4346									
220				R 133	Each supplementary component xsd:attribute name MUST be the supplementary component name with the separators and spaces removed.										
221				R 134	If the object class of the supplementary component dictionary entry name contains the name of the representation term of the parent CCT, the duplicated object class word or words MUST be removed from the supplementary component xsd:attribute name.										
222				R 135	If the object class of the supplementary component dictionary entry name contains the term æidentificationÆ, the term æidentificationÆ MUST be removed from the supplementary component xsd:attribute name.										

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223				R 136	If the representation term of the supplementary component dictionary entry name is ætextÆ, the representation term MUST be removed from the supplementary component xsd:attribute name.											
224				R 137	If the representation term of the relevant supplementary component is a ôCodeö and validation is required, then the attribute representing this supplementary component MUST be based on the defined xsd:simpleType of the appropriate external imported code list.											
225				R 138	If the representation term of the relevant supplementary component is an ôIdentifierö and validation is required, then the attribute representing this supplementary component MUST be based on the defined xsd:simpleType of the appropriate external imported identifier scheme.											
226				R 139	If the representation term of the supplementary component is not ôCodeö or ôIdentifierö, then the attribute representing this supplementary component MUST be based on the appropriate built-in XSD data type.											

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227				R 141	For every supplementary component xsd:attribute declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references a Supplementary Component instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be SC.+ò Dictionary Entry Name (mandatory): The official name of the Supplementary Component.+ò Definition (mandatory): The semantic meaning of the Supplementary Component.+ò ObjectClassTermName (mandatory): The Object Class of the Supplementary Component.+ò PropertyTermName (mandatory): The Property Term of the Supplementary Component.+ò									
228				R 143	The qdt:QualifiedDataType schema module MUST import the udt:UnqualifiedDataType schema module										
229				R 144	Where required to change facets of an existing udt:UnqualifiedDataType, a new data type MUST be defined in the qdt:QualifiedDataType schema module.										
230				R 145	A qdt:QualifiedDataType MUST be based on an unqualified data type and add some semantic and/or technical restriction to the unqualified data type										

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231				R 147	Every qdt:QualifiedDataType based on a udt:UnqualifiedDataType xsd:complexType whose supplementary components map directly to the properties of a built-in xsd:data type MUST be defined as a xsd:simpleType MUST contain one xsd:restriction element MUST include a xsd:base attribute that defines the specific built-in XSD data type required for the content component.											
232				R 148	Every qdt:QualifiedDataType based on a udt:UnqualifiedDataType xsd:complexType whose supplementary components do not map directly to the properties of a built-in xsd:data type MUST be defined as a xsd:complexType MUST contain one xsd:simpleContent element MUST contain one xsd:extension element MUST include the udt:UnqualifiedDataType as its xsd:base attribute											
233				R 149	Every qdt:QualifiedDataType based on a udt:UnqualifiedDataType xsd:simpleType MUST contain one xsd:restriction element MUST include the udt:UnqualifiedDataType as its xsd:base attribute											

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234				R 150	The qdt:QualifiedDataType xsd:complexType definition xsd:simpleContent element MUST only restrict attributes declared in its base type, or MUST only restrict facets equivalent to allowed supplementary components.											
235				R 152	For every supplementary component xsd:attribute declaration a structured set of annotations MUST be present in the following pattern:+ò UniqueID (mandatory): The identifier that references a Supplementary Component of a Core Component Type instance in a unique and unambiguous way.+ò CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be QDT.+ò Dictionary Entry Name (mandatory): The official name of a Supplementary Component.+ò VersionID (mandatory): An indication of the evolution over time of a Supplementary Component instance.+ò Definition (mandatory): The semantic meaning of a Supplementary Component.+ò Cardinality (mandatory): Indication whether the Supplementary Component Property										
236				R 159	Each xsd:schemaLocation attribute declaration of a code list MUST contain a persistent and resolvable URL.											
237				R 161	Code List schema modules MUST not import or include any other schema modules.											

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238				R 162	Within each code list module one, and only one, named xsd:simpleType MUST be defined for the content component.											
239				R 163	The name of the xsd:simpleType MUST be the name of root element based on the value of the code list name text with the word ôContentTypeö appended.											
240				R 164	The xsd:restriction element base attribute value MUST be set to ôxsd:tokenö.											
241				R 165	Each code in the code list MUST be expressed as an xsd:enumeration, where the xsd:value for the enumeration is the actual code value.											
242				R 166	Facets other than xsd:enumeration MUST NOT be used in the code list schema module.											
243				R 167	For each code list a single root element MUST be globally declared.											
244				R 169	The root element MUST be of a type representing the actual list of code values.											
245				R 170	Each xsd:enumeration MUST include an annotation documentation providing the code name and the code description.											
246				R 171	Internal identifier lists schema MUST NOT duplicate existing external identifier list schema when the existing ones are available to be imported.											
247				R 172	Each UN/CEFACT maintained identifier list MUST be defined in its own schema module.											

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248				R 175	Each UN/CEFACT maintained identifier list schema module MUST be represented by a unique token constructed as follows: ids[Qualified data type name]<Identification Scheme Agency Identifier><Identification Scheme Identifier>										
249				R 176	The structure for schema location of identifier lists MUST be: http://www.unece.org/uncefact/identifierlist/<status>/<Identifier Scheme Agency Identifier|Identifier Scheme Agency Name Text>/< Identifier Scheme Identifier|Identifier Scheme Name Text>_< Identifier Scheme Version Identifier>.xsd Where: schematype = a token identifying the type of schema module: identifierlist status = the status of the schema as: draft|standard Identifier Scheme. Agency Identifier = the identification of the agency that maintains the identification scheme. Identifier Scheme. Agency Name. Text = the name of the agency that maintains the identification scheme. Identifier Scheme. Identifier = the identification of the identification scheme. Identifier Scheme. Name. Text = the name of the									
250				R 177	Each xsd:schemaLocation attribute declaration of an identifier list schema MUST contain a persistent and resolvable URL.										
251				R 178	Each xsd:schemaLocation attribute declaration URL of an identifier list schema MUST contain an absolute path.										

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252				R 179	Identifier list schema modules MUST NOT import or include any other schema modules.										
253				R 180	Within each identifier list schema module one, and only one, named xsd:simpleType MUST be defined for the content component.										
254				R 182	The xsd:restriction element base attribute value MUST be set to ôxsd:tokenö.										
255				R 183	Each identifier in the identifier list MUST be expressed as an xsd:enumeration, where the xsd:value for the enumeration is the actual identifier value.										
256				R 184	Facets other than xsd:enumeration MUST NOT be used in the identifier list schema module.										
257				R 185	For each identifier list a single root element MUST be globally declared.										
258				R 186	The name of the root element MUST be based on the identification scheme. name. text following the naming rules as defined in section 5.3.										
259				R 187	The root element MUST be of a type representing the actual list of identifier values.										
260				R 188	Each xsd:enumeration MUST include an annotation documentation providing the identifier name and optionally the description of the identifier.										
261				R 191	The xsi:nil attribute MUST NOT appear in any conforming instance.										
262				R 192	The xsi:type attribute MUST NOT be used.+										

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263							ATD3	An objectIDREF xsd:attribute MUST be declared globally in the DON Enterprise BIE Reusable Schema module.							
264							ATD4	The objectIDRef xsd:attribute value MUST be equal to the value of an ID ccts:BBIE element.							
265							CDL4	The name of each DON Code List Schema module MUST be: <Owning Organization>-Codelist-<Code List Name>-<Version>.							
266							CDL6	Users of the DON library MAY identify any subset they wish from an identified code list for their own trading community conformance requirements.							
267							CDL7	The namespace name of each DON Code List Schema module MUST conform to the following pattern: urn:dod:don:enterprise:codeList:<Code List.Identification.Identifier>:<Code List.Name.Text>:<Code List.Version.Identifier>:<Code List.Agency.Identifier>:<Code List. AgencyName.Text>.							
268							CTD2	The xsd:any MAY be used in the content model of an DON ABIE type when the ABIE represents an object defined by an external XML business standard approved by the DON BSC.							
269							CTD3	A named xsd:complexType MUST be defined for every ABIE and BBIE Property identified in a DON information model.							

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270							CTD8	Code and ID ccts:BBIE Property complex types MAY use the xsd:choice element to reference global elements defined in standardized ID Scheme or Code List Schema modules.							
271							CTD11	Every ccts:DataType SHOULD use xsd:restriction.							
272							CTD13	Each ccts:SupplementaryComponent xsd:attribute user-defined xsd:simpleType MUST only be used when the ccts:SupplementaryComponent value is based on a standardized code list for which a BSC approved has been created.							
273							CTD14	Every Qualified ccts:DataType (QDT) xsd:complexType content model xsd:restriction element MUST use the xsd:base attribute to define the basis as a UDT xsd:complexType.							
274							CTN3	A DON xsd:complexType name based on a ccts:QualifiedDataType (QDT) MUST, at a minimum, include the dictionary entry name of the ccts:UnualifiedDataType (UDT) it derives from, with the separators removed.							
275							CTN4	A DON ccts:DataType name MUST be the ccts:DictionaryEntryName with the separators removed.							

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276							DOC1	Every data type definition MUST contain a structured set of annotations in the following sequence and pattern:+UniqueIdentifier (mandatory): The identifier that references a data type instance in a unique and unambiguous way.+CategoryCode (mandatory): The category to which the object belongs. For example, BBIE, ABIE, ASBIE.+DictionaryEntryName (mandatory): The official name of a data type.+Definition (mandatory): The semantic meaning of a data type.+Version (mandatory): An indication of the evolution over time of a data type instance.+QualifierObjectClass (optional): The qualifier for the object class.+ObjectClass: The object class represented by the data type.+Qualifier Term (mandatory): A semantically meaningful							

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277							DOC3		A data type definition MAY contain one or more supplementary component restrictions to provide additional information on the relationship between the data type and its corresponding UDT. If used, the supplementary component restrictions must contain a structured set of annotations in the following patterns:+SupplementaryComponentName (mandatory): Identifies the supplementary component on which the restriction applies.+RestrictionValue (mandatory, repetitive): The actual value(s) that is (are) valid for the supplementary component.							

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278							DOC4	Every Basic Business Information Entity (BBIE) definition MUST contain a structured set of annotations in the following patterns:□+Unique Identifier (mandatory): The identifier that references a BBIE instance in a unique and unambiguous way.+CategoryCode (mandatory): The category to which the object belongs. In this case, the value will always be BBIE.+Dictionary Entry Name (mandatory): The official name of a BBIE.+Version (mandatory): An indication of the evolution over time of a BBIE instance.+Definition (mandatory): The semantic meaning of a BBIE.+Cardinality (mandatory): Indication whether the BBIE property represents a not-applicable, optional, mandatory, and/or repetitive characteristic of							

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279							DOC5	Every Aggregate Business Information Entity (ABIE) definition MUST contain a structured set of annotations in the following patterns:+UniqueIdentifier (mandatory): The identifier that references an ABIE instance in a unique and unambiguous way.+CategoryCode (mandatory): The category to which the object belongs. In this case, the value will always be ABIE.+Version (mandatory): An indication of the evolution over time of an ABIE instance.+DictionaryEntryName (mandatory): The official name of an ABIE.+Definition (mandatory): The semantic meaning of an ABIE.+QualifierTerm (mandatory): Qualifies the object class term of the associated Aggregate Core Component.+UsageRule (optional, repetitive): A constraint that describes							

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280							DOC6	Every Association Business Information Entity (ASBIE) definition MUST contain a structured set of annotations in the following patterns:+UniqueIdentifier (mandatory): The identifier that references an ASBIE instance in a unique and unambiguous way.+CategoryCode (mandatory): The category to which the object belongs. In this case, the value will always be ASBIE.+DictionaryEntryName (mandatory): The official name of an ASBIE.+Definition (mandatory): The semantic meaning of an ASBIE.+Version (mandatory): An indication of the evolution over time of an ASBIE.+Cardinality (mandatory): Indication whether the ASBIE property represents a not-applicable, optional, mandatory, and/or repetitive characteristic of the ABIE.+QualifierTerm						

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281							DOC7	Every Core Component definition MUST contain a structured set of annotations in the following patterns:+UniqueIdentifier (mandatory): The identifier that references a Core Component instance in a unique and unambiguous way.+CategoryCode (mandatory): The category to which the object belongs. In this case the value will always be CCT.+DictionaryEntryNam e (mandatory): The official name of a Core Component.+Definition (mandatory): The semantic meaning of a Core Component.+ObjectClass: The object class represented by the type.+PropertyTerm: The property term represented by the type.+Version (mandatory): An indication of the evolution over time of a Core Component instance.+Usage Rule (optional, repetitive): A constraint that describes							
282							DOC8	Every element declaration MUST contain an annotation as follows:+<Documentation>[Dictionary Entry Name]</Documentation> where Dictionary Entry Name is the complete name (not the tag name) that is the unique official name of the element in the DON library.							

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283							DOC9	For each DON construct containing a code, the DON documentation MUST identify the zero or more code lists that MUST be minimally supported when the construct is used:+Prefix (mandatory): The code prefix, for example “cnt” for country code list.+CodeListQualifier (mandatory): The qualifier for the code list, for example, “ISO 3166-1.”+CodeListAgency: The maintainer of the code list, for example “6.”+CodeListVersion: The version of the code list, for example “0.3.							
284							ELD1	All element declarations MUST be global with the exception of Identifiers, Measures, and Codes, which MAY be declared as local elements if, and only if, approved by the FNC and BSC							
285							ELD3	For every xsd:complexType representing a CCTS:BBIE Property, a global element MUST be declared.							
286							ELD4	For each CCTS:ASBIE, a global element MUST be declared.							
287							ELD5	For CCTS:BBIEs that are based on ID, code, and measure, a local element MAY be declared in the xsd:complexType of the parent ABIE.							
288							ELD6	Empty elements SHALL NOT be declared except for reference elements and Xlink elements, which MUST be approved by the cognizant FNC and BSC.							

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289							ELN1	A DON CCTS:ABIE element name MUST be the same as the corresponding xsd:complexType to which it is bound, with the word “Type” removed.							
290							ELN2	A DON global element based on a CCTS:BBIE Property element MUST be the same name of its corresponding xsd:complexType with the word “Type” removed, unless the object class can be used for semantic clarity.							
291							ELN3	A DON CCTS:ASBIE name MUST be based on the CCTS:ASBIE dictionary entry and MAY contain an optional suffix to provide clear cardinality.							
292							ELN4	Each root element in a DON Root Schema module document MUST be named according to the portion of the business process initiated or the content item published.							
293							GNR9	The xsd:unique identity constraints names MUST be the same as the object class of the ABIE being identified uniquely plus the suffix “Key.”							
294							GNR10	The xsd:keyref identity constraint names MUST be consist of the name of the referencing object class plus the name of the referenced object class plus the suffix “REFKey.”							
295							GXS1	The root element in all DON Schema modules MUST contain the following declaration: “xmlns:xsd=http://www.w3.org/2001/XMLSchema.”							

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296							GXS9	The xsd:namespace attribute MUST be defined when using the xsd:any element and MUST have a URI value representing the namespace of a BSC-approved XML vocabulary.							
297							GXS13	Any xsd:complexTypes derived by restriction MUST NOT be further extended.							
298							GXS14	The code list xsd:import element MUST contain the namespace and schema location attributes.							
299							INF1	A qualified ccts:DataType must be created in the Syntax Neutral Model for each BBIE that uses domain restriction.							
300							MDC2	DON information models MUST define classes based on Aggregate Business Information Entities (ABIEs) and ccts:DataTypes.							
301							MDC3	If a DON ccts:DataType is extended or restricted, it MUST retain the original business context.							
302							NMS1	All DON enterprise and development namespaces MUST use the base URN “urn:us:gov:dod:don.”							
303							NMS2	URNs MUST be in lowercase, except multiple words, which MUST use lower camel case and the root element, which will use upper camel case.							
304							NMS3	All Business Standards Council (BSC) approved enterprise (root) schema MUST reside in the DON enterprise root namespace.							

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305							NMS4	The namespace for DON root schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:schema:<root name>:<major>:<minor>.							
306							NMS7	The namespace for DON Code List schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:<codeListName>:<major>:<minor>.							
307							NMS9	The namespace for DON Unqualified Code List and Identifier schema holding enterprise status MUST be of this form: urn:us:gov:dod:don:enterprise:UCodeIdentifer:<major>:<minor>.							
308							NMS11	All DON namespace declarations MUST be qualified.							
309							RED1	Each DON Root-Level Schema module MUST identify at least one global element declaration that defines the content in the schema expression. That global element MUST include an xsd:annotation child element, which MUST further contain an xsd:documentation child element that declares the following: “This element MUST be conveyed as the root element in any instance document based on this schema expression.”							
310							SEC1	W3C and OASIS recommendations that are applicable to XML security and digital signing MUST be used where appropriate.							
311							SEC2	W3C XMLDSIG MUST be used to digitally sign XML components where appropriate.							

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312							SEC3	W3C XMLENC MUST be used to digitally encrypt XML components where appropriate.							
313							SSM1	Enterprise level root schema MAY import external qualified data types, core components, code list, and identifier schema that have been approved by the BSC and cognizant FNC authority.							
314							SSM2	Every DON enterprise root schema MUST import the DON Enterprise Reusable BIE schema (DON-Enterprise-Reusable-z.z.z.xsd).							
315							SSM3	All enterprise global elements and named complex types representing ccts:Components must reside in the Enterprise BIE Reusable Schema module.							
316							SSM4	All DON development root schemas MUST be submitted to both the cognizant FNC and the appropriate namespace in the DoD registry.							
317							SSM5	Development global elements and named complex types MUST reside in a no namespace schema that is included in the root schema.							
318							SSM6	Development qualified data types (complex types) MUST reside in a no namespace qualified data types schema that is included in the root schema submission.							
319							SSM7	A run-time schema MAY be created to meet performance requirements of the application in the run-time environment.							

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320							SSM8	All modifications, updates, revisions, and new releases MUST first go through the DON schema approval process before the changes can be incorporated into the run-time schema.							
321							VER1	XML schema version information MUST be defined in a schema and match the version of the namespace in which it resides.							
322							VER2	The major-version field MUST equal "1" for the first release of a namespace.							
323							VER4	The minor-version field of a namespace or schema MUST be incremented if all XML instances will continue to validate successfully with the new version of the schema.							
324							VER6	The first schema module to appear in a DON Enterprise BIE or Qualified Data Type namespace MUST have a version attribute equal to the following: <major-number>:<minor-number>:<schema version number>.							
325							VER7	Schema in the DON Enterprise BIE or Qualified Data Type namespaces MUST increment the third digit of the schema version attribute when a schema is changed.							
326							VER9	New versions of the schema created in the DON Enterprise BIE or Qualified Data Types namespace MUST include the previous schema version.							

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327							VER10	New core component versions MUST not alter the component's ccts:DictionaryEntryName or definition.								
328											STA3	All IRS XML schemas are REQUIRED to be subject to change control procedures, specifically version control.				
329											STA4	DTDs SHOULD NOT be used, except with a waiver from the IRS EDMO.				
330											NMS2	As the unique namespace identifier (Unique Resource Identifier: URI), all IRS developed schemas MUST use URN (Uniform Resource Name) namespace identifiers.				
331											NMS3	The tokens comprising the URN MUST adhere to the following guidelines:+Whitespace MUST NOT be used within the URN. +Special characters MUST NOT be used within the URN. Special characters are those characters outside of the range 0-9 or a-z. Periods are acceptable. A single hyphen is acceptable between the schema name and the version number.+Only lowercase letters MUST be used.+				
332											NMS4	Only IRS-developed schema modules MUST be contained in the IRS namespace:+urn:us:gov:irs:				

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333											NMS6	The namespace name of each IRS Code List Schema Module MUST conform to the following pattern:+urn:us:gov:irs:code list:{code list name}-{major version number}.{minor version number}+For example, the proper namespace name for the country code list will be:+ urn:us:gov:irs:codelist:countrycode-1.0, where 1.0 is the version number.				
334											NMS8	Every IRS XML namespace MUST be public.				
335											NMS11	The IRS MAY copy or use externally developed schemas provided that the namespace declaration in such schemas is not altered. Further, the prefixes used for these schemas MUST not conflict with existing IRS namespace prefixes.				
336											NMP1	All namespace prefix tokens for IRS developed schemas MUST begin with the letters "irs" and MUST be followed by the schema name.				
337											IMP2	An xsd:import element MUST be declared for every schema required by an IRS schema.				
338											IMP4	The schemaLocation attribute URL structure and physical storage location MUST be managed by EDMO.				

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339											IMP5	When externally developed schemas are copied locally into the IRS environment, they MUST be physically stored independently of IRS developed schemas. The schemaLocation attribute URL structure and physical storage location of these externally developed schemas will be managed by EDMO.				
340											FRM1	When a form has multiple parts, for example, Section 1, Section 2, etc., a comment MUST be added that clearly delineates each part. Place the comment at the beginning of each part within the schema.				
341											FRM2	When a field on the form has a preprinted fixed literal value and is not entered by the taxpayer, an element MUST NOT be created for it (the literal) in the schema.				
342											FRM3	When literal values populate an element, they SHOULD be in uppercase characters.				
343											FRM4	When the natural usage of a complex table (for example, Form 4684 Casualties and Thefts) assumes the population of one column before the next, then the XML elements in the schema SHOULD be sequenced Top-Down-Left-Right rather than Left-Right-Top-Down.				

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344											FRM5	A repeating group of elements SHOULD be created to replace paper attachments that are used to extend the limited space on the paper form (for example, a table showing only four rows but allows additional rows on a paper attachment).				
345											FRM6	A field that is duplicated on the same document SHOULD be defined only once in the schema. However, a field that is a duplicate of a field on a different document SHOULD be defined in the schema.				
346											FRM7	If a field is conditionally duplicate (that is, it will have a value if another field has a value) then an element for it SHOULD be created in the schema.				
347											FRM8	The structure and sequencing of the elements in a form-based schema MAY resemble its paper counterpart. For example, elements for a simple table SHOULD be created in a sequence that each row is fully represented before the next row, i.e. Left-Right-Top-Down instead of Top-Down-Left-Right				
348											FRM9	Boolean and Checkbox elements MUST be designated as Indictors (Ind), eg.g. AddressChangeInd.				
349											FRM10	Names that tie to the layout or line number reference of a paper form MUST NOT be used. For example, do not use “Line 8” or “AddLine1ThruLine5”.				

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350										FRM11	Hard code values in an element name where the value is not static over time MUST NOT be used. As an illustration: do not use the year number (e.g., 2001) in the name of an element when it appears in the lavel on a form. Use “CurrentYear”, “PreviousYear”, “NextYear” labels instead. For example, label on line 6 on form 2800 for year 2001 reads “Passive Activity Credit allowed for year 2001”. Name the element “PassiveActivityCreditCYAmt” not “PassiveActivityCreditYear2001”.				
351										FRM12	XML element names for form based XML schemas should be based on the attribute name from the project logical data model, or ELDM, or ELDM XML element name.				
352										ATD4	All xsd:attribute declarations MUST specify the "use" as being optional or required.				
353										ATD5	The use of attributes SHOULD be minimized as they cannot be extended or parsed, and limit interoperability and reuse.				
354										SIM1	For each simpleType an xsd:restriction element MUST be declared.				
355										SIM2	For each simpleType xsd:restriction element, an xsd:base attribute MUST be declared and set to the appropriate xsd: built-in data type.				
356										SIM4	Use of an IRS defined type SHOULD be used whenever possible.				

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357										COM3	Every common basic component datatype MUST have xsd:base set to a specialized datatype, an unspecialized datatype, or an xsd:built-in datatype.				
358										GXS1	All schema modules SHOULD be created with reuse as an objective.				
359										GXS10	IRS artifacts MUST use double quotes (“) to delimit attribute values rather than single quotes (‘).				
360										GNR1	Application of IRS data naming standards are REQUIRED for all XML type names.				
361										GNR2	XML component names MUST NOT be developed using database object names. XML component names are independent from database object names.				
362										GNR3	IRS data naming standards MUST be applied to all XML element names.				
363										GNR6	Global elements whose type is set to a defined complexType SHOULD use the same name as the complexType with the word "Type" dropped.				
364										GNR13	All types MUST be named.				
365										GNR14	Names MUST NOT begin with a number.				
366										CVR1	Every component major version number MUST be sequentially assigned, incremental number greater than zero				
367										CVR2	The first minor version release of an IRS component MUST be numbered: major-number.non-zero				

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368											CVR3	For minor version changes, the name of the component MUST NOT change, unless the intent of the change is to rename the component.				
369											CVR4	Every component version number MUST be a sequentially assigned, incremental non-negative integer.				
370											CVR5	Component minor version changes MUST not break semantic compatibility with prior versions.				
371											DOC1	Use of the IRS standard documentation parameters is REQUIRED. These are defined in the schema “DocumentationParameters-[major].[minor].xsd”.				
372											DOC2	The standard prefix for the IRS standard documentation tags MUST be “irsdoc”.				
373											DOC3	Use of comment (<!-- -->) tags MUST NOT be used for schema documentation. All documentation MUST be put inside <xsd:annotation><xsd:documentation> tags.				
374											DOC4	Schema level documentation MUST immediately follow the <xsd:schema> tag.				
375											DOC7	The documentation element for each major version MUST only reflect the documentation for the current version.				
376											DOC8	Each minor version MUST be documented. The documentation MUST proceed and include all previous minor version documentation.				

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377														ATD2	The CCT:SupplementaryComponents for the ID CCT:CoreComponent MUST be declared in the following order:+Identifier. Content+Identification Scheme. Identifier+Identification Scheme. Name. Text+Identification Scheme. Agency. Identifier+Identification Scheme. Agency Name. Text+Identification Scheme. Version. Identifier+Identification Scheme. Uniform Resource. Identifier+Identification Scheme Data. Uniform Resource. Identifier	
378														ATD4	Within the ccts:CCT xsd:extension element an xsd:attribute MUST be declared for each ccts:SupplementaryComponent pertaining to that ccts:CCT.	
379														ATD5	For each ccts:CCT simpleType xsd:restriction element, an xsd:base attribute MUST be declared and set to the appropriate xsd:Datatype.	
380														CTD11	Each unspecialized Datatype xsd:complexType definition must contain one xsd:simpleContent element.	
381														CTD12	The unspecialized Primary Representation Term Datatype xsd:complextType definition xsd:simpleContent element must contain one xsd:restriction element with an xsd:base attribute whose value is equal to the corresponding cct:ComplexType.	

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382														CTD17	Each ccts:SupplementaryComponent xsd:attribute user-defined xsd:simpleType MUST only be used when the ccts:SupplementaryComponent is based on a standardized code list for which a UBL conformant code list schema module has been created.	
383														CTD18	Each ccts:SupplementaryComponent xsd:attribute user defined xsd:simpleType MUST be the same xsd:simpleType from the appropriate UBL conformant code list schema module for that type.	
384														CTN4	A UBL xsd:complexType for a cct:UnspecializedDatatype based on a ccts:SecondaryRepresentationTerm used in the UBL model MUST have the name of the corresponding ccts:SecondaryRepresentationTerm, with the separators removed and with the "Type" suffix appended.	
385														CTN5	A UBL xsd:complexType name based on a ccts:CoreComponentType MUST be the Dictionary entry name of the ccts:CoreComponentType, with the separators removed.	

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386													DOC7	The xsd:documentation element for every Core Component Type MUST contain a structured set of annotations in the following sequence and pattern:+ComponentType (mandatory): The type of component to which the object belongs. For Core Component Types this must be ôCCTö.+DictionaryEntryName (mandatory): The official name of the Core Component Type, as defined by [CCTS].+Version (optional): An indication of the evolution over time of the Core Component Type.+Definition(mandatory): The semantic meaning of the Core Component Type, as defined by [CCTS].+ObjectClass(mandatory): The Object Class represented by the Core Component Type, as defined by [CCTS].+PropertyTerm(mandatory): The Property Term represented by the	
387													ELD9	The xsd:any element MUST NOT be used.	
388													ELN1	A UBL global element name based on a ccts:ABIE MUST be the same as the name of the corresponding xsd:complexType to which it is bound, with the word "Type" removed.	
389													ELN2	A UBL global element name based on an unqualified ccts:BBIEProperty MUST be the same as the name of the corresponding xsd:complexType to which it is bound, with the word "Type" removed.	

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390														ELN3	A UBL global element name based on a qualified ccts:ASBIE MUST be the ccts:ASBIE dictionary entry name property term and its qualifiers; and the object class term and qualifiers of its associated ccts:ABIE. All ccts:DictionaryEntryName separators MUST be removed. Redundant words in the ccts:ASBIE property term or its qualifiers and the associated ccts:ABIE object class term or its qualifiers MUST be dropped.	
391														ELN4	A UBL global element name based on a Qualified ccts:BBIEProperty MUST be the same as the name of the corresponding xsd:complexType to which it is bound, with the qualifier prefixed and with the word "Type" removed.	
392														NMS11	The ccts:CoreComponentType schema module MUST reside in its own namespace.	
393														NMS12	The ccts:CoreComponentType schema module namespace MUST be represented by the token "cct".	
394														SSM8	A UBL schema module MAY be created for reusable components.	
395														SSM13	A schema module defining all ccts:CoreComponentTypes MUST be created.	
396														SSM14	The ccts:CoreComponentType schema module MUST be named "ccts:CoreComponentType Schema Module"	

ID	Fed ID	Fed Rule	Category	ATG ID	ATG Rule	ATG Differs	DON ID	DON Rule	DON Differs	IRS ID	IRS Rule	IRS Differs	UBL ID	UBL Rule	UBL Differs
397													SSM15	The xsd:facet feature MUST not be used in the ccts:CoreComponentType schema module.	