WELCOME TO THE
NIEM 3.0 BETA TECH TALK

June 25th, 2013

For Conference Audio:
1-888-566-6149 Passcode: 5825994

AGENDA & SPEAKERS

NIEM 3.0 – What does that mean?
- Major vs. Minor Release
- NIEM Versioning
- Why 3.0?

3.0 Release Cycle
- Release Cycle Overview
- What is Funneling?
- Beta Timeline

What's Beta?
- NIEM 3.0 Beta Review
- What's in 3.0 that isn't in 2.0
- Architectural Enhancements in 3.0

How you can contribute!
- Feedback guidelines

Questions? E-mail them to information@niem.gov OR type it in the **Q&A Box**

JUSTIN STEKERVETZ

MARK KINDL

WEBB ROBERTS

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NIEM 3.0
WHAT DOES THAT MEAN?

FEATURING: JUSTIN STEKERVEZ

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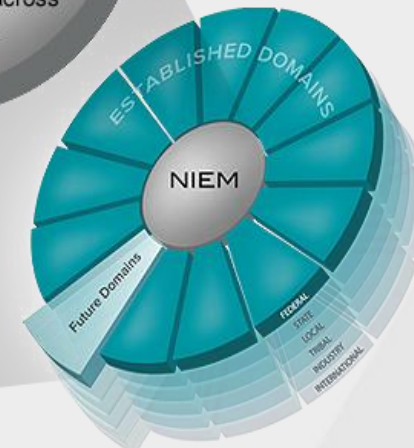NATIONAL INFORMATION EXCHANGE MODEL

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MAJOR VS. MINOR RELEASE

NIEM 3.0 is a *major release* of the NIEM data model—containing updates to the NIEM Core as well as changes to several Domains.
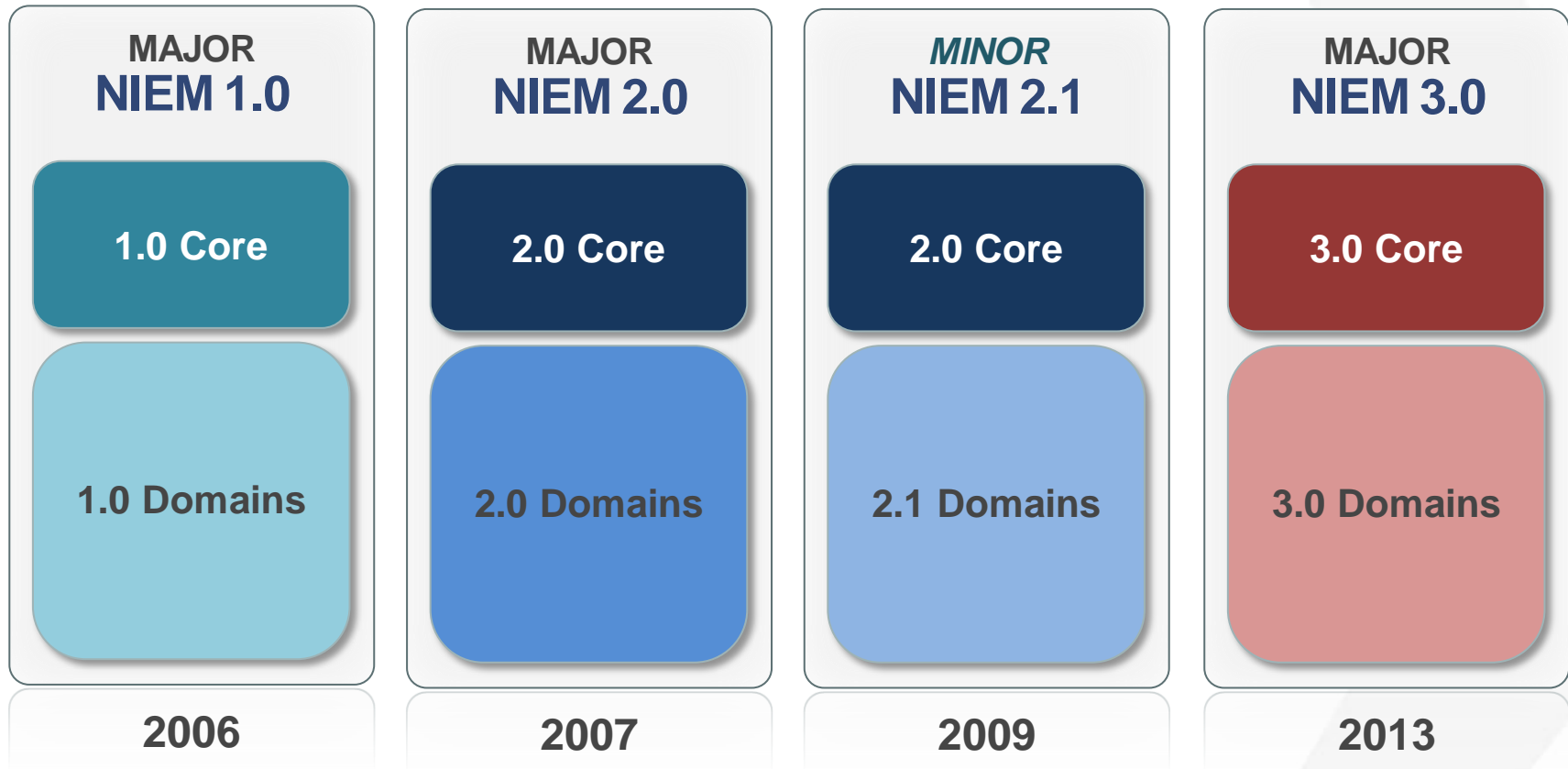
A *minor release* involves limited changes to Domains

NIEM Domains include mission specific data that is managed through independent stewards.

Future Domains are added to NIEM as necessary based on an established need.

NIEM Core consists of data elements that are commonly understood across domains.

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HOW HAS NIEM EVOLVED OVER THE YEARS?

MAJOR **NIEM 1.0**	MAJOR **NIEM 2.0**	*MINOR* **NIEM 2.1**	MAJOR **NIEM 3.0**
1.0 Core	2.0 Core	2.0 Core	3.0 Core
1.0 Domains	2.0 Domains	2.1 Domains	3.0 Domains
2006	2007	2009	2013

Reference Schemas

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WHY A NIEM 3.0?

The NIEM data model is driven by community needs, 3.0 addresses those identified to date.

Organizational Challenges
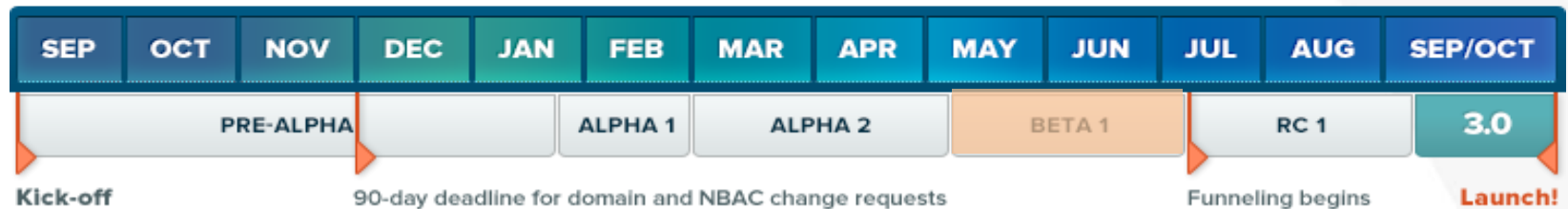
Technical Challenges

New Domains & Requirements

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NIEM 3.0
RELEASE CYCLE

STARRING: MARK KINDL

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3.0 RELEASE CYCLE

NIEM 3.0 Schedule Overview

SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP/OCT
PRE-ALPHA					ALPHA 1		ALPHA 2		BETA 1		RC 1	3.0

Kick-off — 90-day deadline for domain and NBAC change requests — Funneling begins — Launch!

Pre-alpha is the requirements gathering phase when all significant content changes are identified. During this phase:
- Domains prepare change requests for new and changed content.
- Domains indicate domain updates to be integrated.

Alpha 1 and **Alpha 2** are the first two rounds of review where inputs and feedback regarding changes/requirements are collected and organized into coherent lists. These lists are then made ready for Governance review. Alpha 2 was the first opportunity for public review.

Beta continues the feedback process and is the last opportunity to provide *public* feedback on the full model. Like Alpha 1 and 2, inputs from Beta are reviewed by the Governance body.
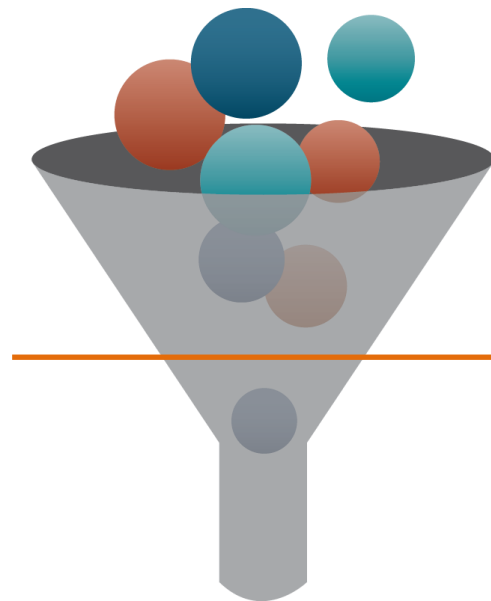
In the **Release Candidate (RC)** phase, final adjustments, refinements, and corrections are made before Governance body review.

After Governance Body approval, the model is **Finalized & Published**

06/25: Beta Release
We are here!

WHAT IS FUNNELING?

The Funneling process helps to zone in on all of the the essential changes in a efficient and effective way.

Alpha through Beta: Actions will be taken for comments on all portions of the model.
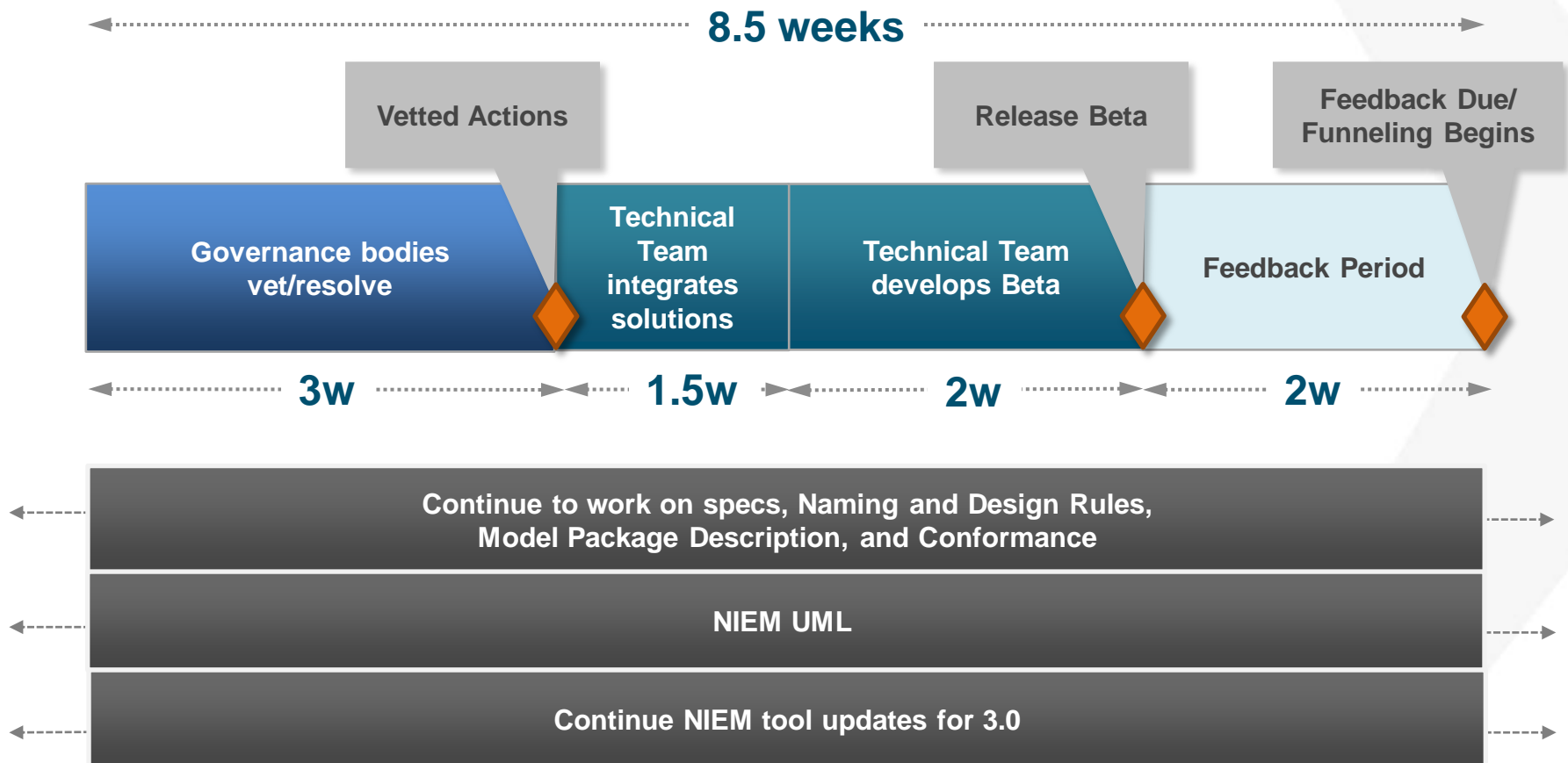
After Beta: Action for comments on portions of the model that previously passed review without revision, will be discretionary. No new requirements or content will be added.

Exception: Errors will be always be corrected (even if missed in a previous review).

NIEM 3.0

Beta needs to be reviewed in detail or we risk lingering issues in RC or final release products! **Silence is consent**! Please make your concerns known.

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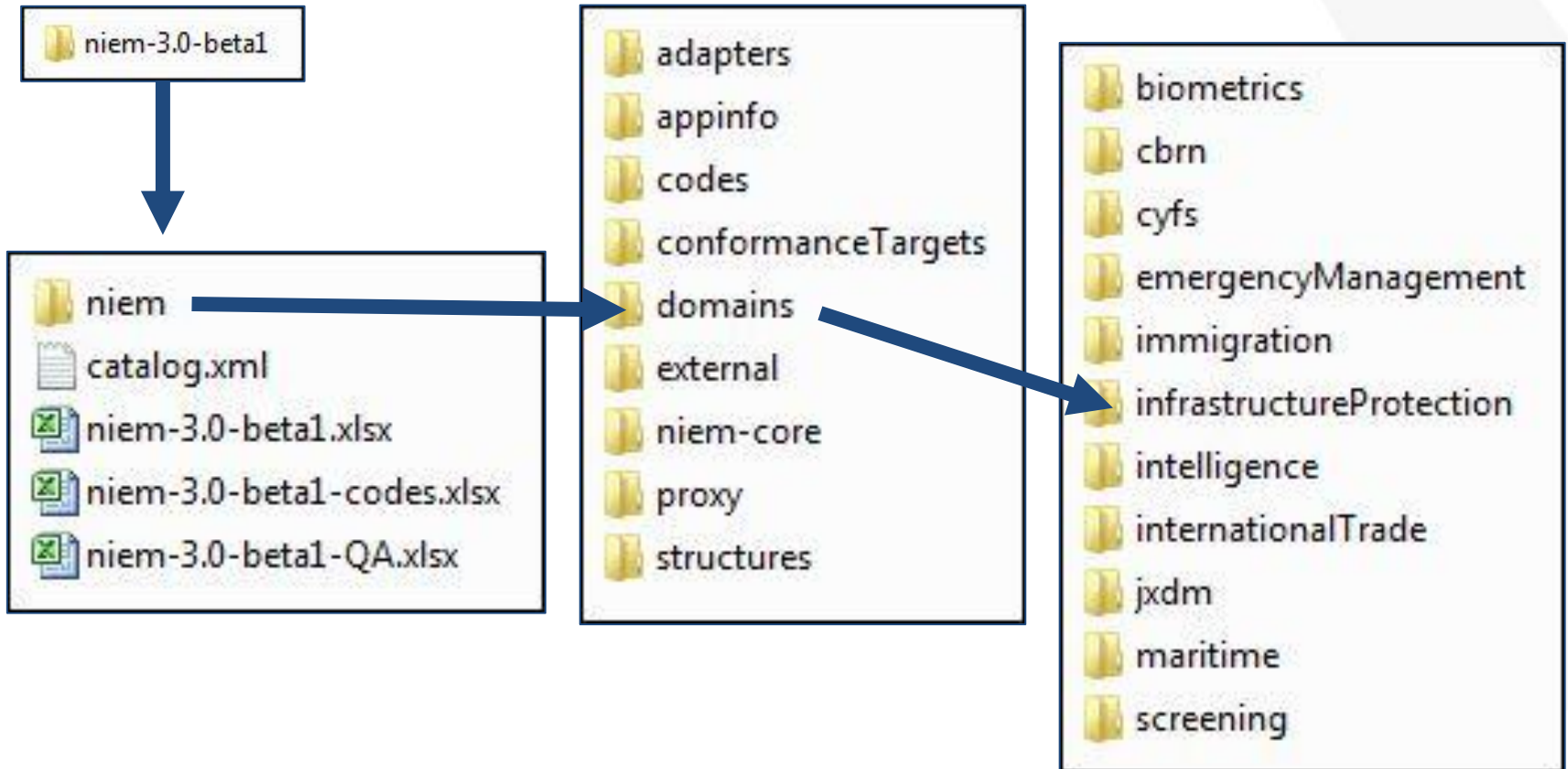
BETA TIMELINE: IN DETAIL

The Beta release include changes to the schemas, model spreadsheet, Quality Assurance report, the Schema Subset Generation Tool (SSGT) and more.
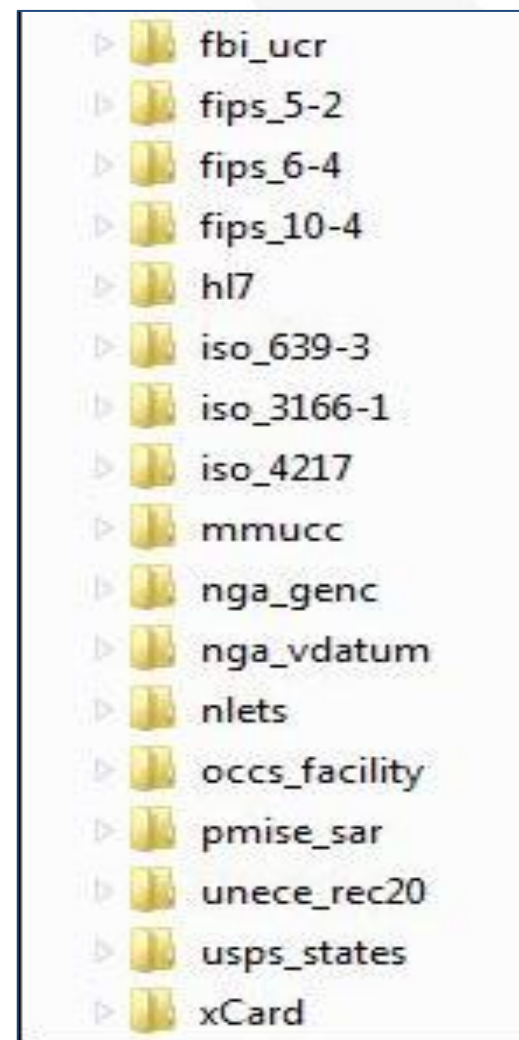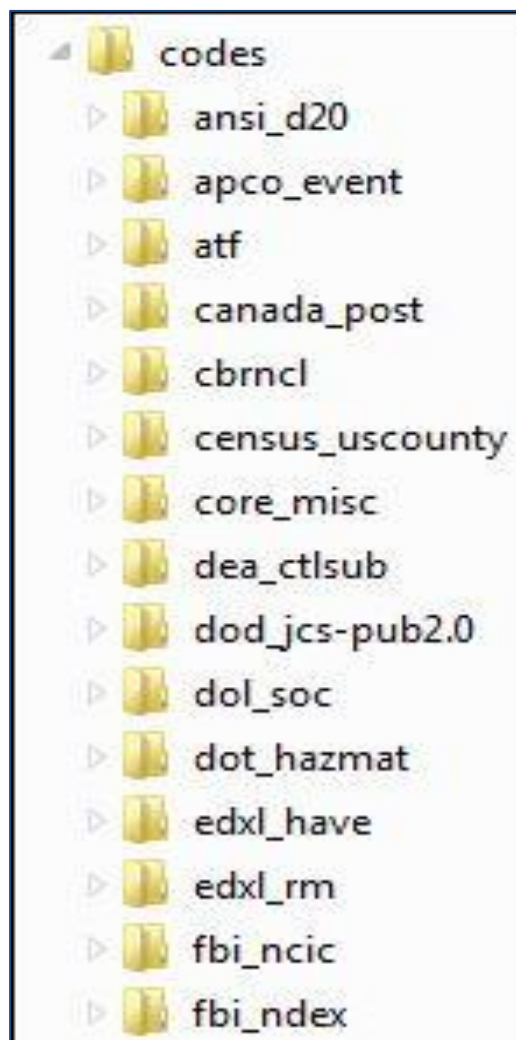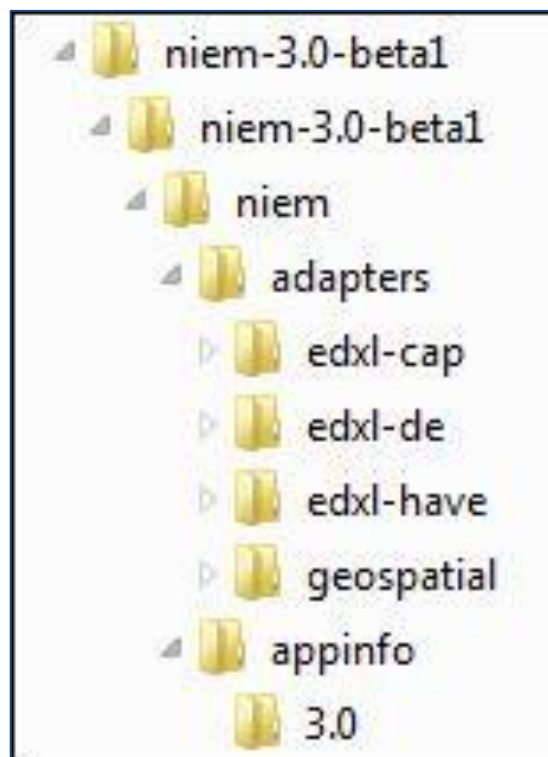
8.5 weeks

Vetted Actions

Release Beta

Feedback Due/ Funneling Begins

Governance bodies vet/resolve

Technical Team integrates solutions

Technical Team develops Beta

Feedback Period

3w · · · · · **1.5w** · · · · · **2w** · · · · · **2w**

Continue to work on specs, Naming and Design Rules, Model Package Description, and Conformance

NIEM UML

Continue NIEM tool updates for 3.0

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NIEM 3.0 OVERVIEW

STARRING: MARK KINDL

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NIEM 3.0: BETA PACKAGE

NIEM 3.0: BETA SCHEMAS

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NIEM 3.0: BETA SCHEMAS CONT.
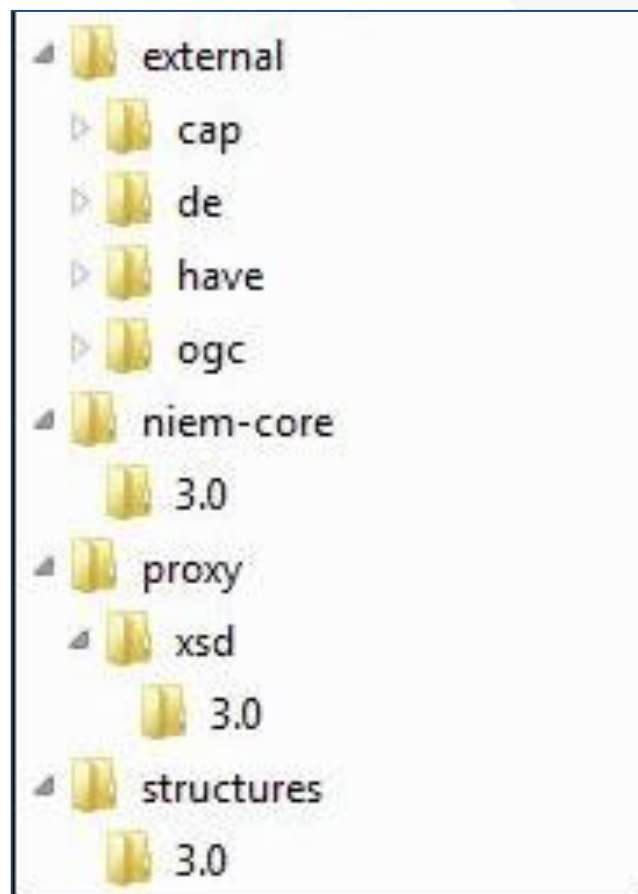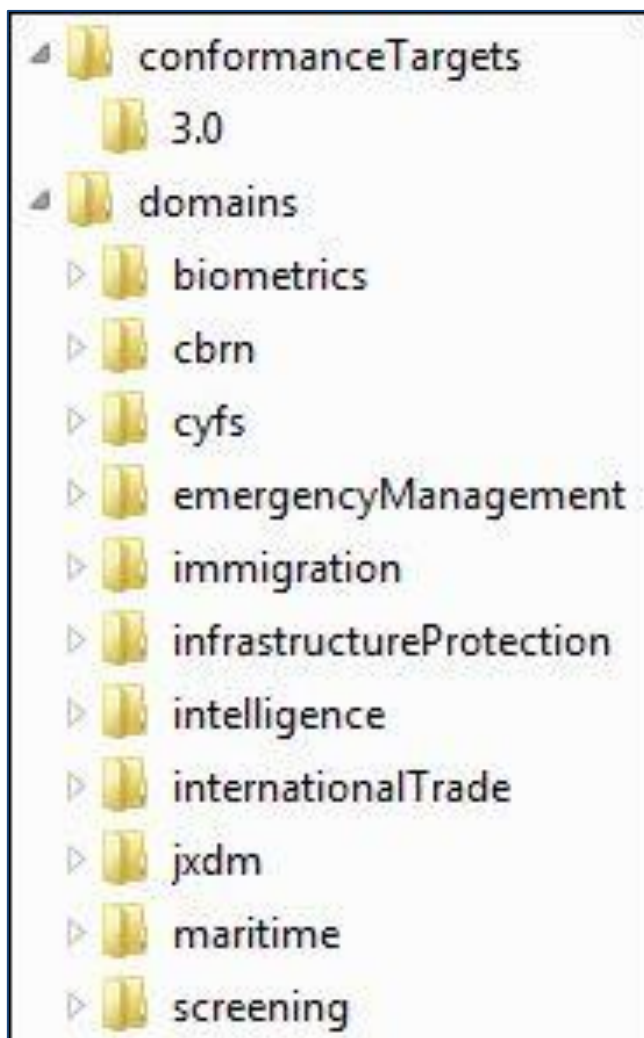
OASIS CATALOG (FOR XSD)

catalog.xml

```xml
<!DOCTYPE catalog PUBLIC
    "-//OASIS//DTD Entity Resolution XML Catalog V1.0//EN"
    "http://www.oasis-open.org/committees/entity/release/1.0/catalog.dtd">
<catalog xmlns="urn:oasis:names:tc:entity:xmlns:xml:catalog"
        prefer="public">
  <uri name="http://release.niem.gov/niem/structures/3.0/"
      uri="niem/structures/3.0/structures.xsd"/>
  <uri name="http://release.niem.gov/niem/domains/internationalTrade/3.0/"
      uri="niem/domains/internationalTrade/3.0/internationalTrade.xsd"/>
  <uri name="http://release.niem.gov/niem/domains/immigration/3.0/"
      uri="niem/domains/immigration/3.0/immigration.xsd"/>
  <uri name="http://release.niem.gov/niem/domains/maritime/3.0/"
      uri="niem/domains/maritime/3.0/maritime.xsd"/>
  <uri name="http://release.niem.gov/niem/domains/cbrn/3.0/"
      uri="niem/domains/cbrn/3.0/cbrn.xsd"/>
  [...]
</catalog>
```

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MODEL SPREADSHEET

niem-3.0-beta1.xlsx

	Type/Sub-properties	Type	Definition	2.1 Status	Keywords	Example Content	Usage Info
1							
2							
3	nc:ActivityConveyanceAssociationType	extends nc:AssociationType	A data type for an association between an activity and a conveyance.				
4	Click here for object properties						
5	nc:Activity	nc:ActivityType	A single or set of related actions, events, or process steps.	mod			
6	nc:Conveyance	nc:ConveyanceType	A means of transport.	mod			
7	nc:ActivityConveyanceAssociationAugm		An augmentation point for ActivityConveyanceAssociationType	mod			
8							
9							
10	nc:ActivityDocumentAssociationType	extends nc:AssociationType	A data type for an association between an activity and a document.				
11	Click here for object properties						
12	nc:Activity	nc:ActivityType	A single or set of related actions, events, or process steps.	mod			
13	nc:Document	nc:DocumentType	A paper or electronic document.	mod			
14	*Substitutable Elements:*						
15	*+ it:AdditionalDocument*	it:AdditionalDocumentType	Applied augmentation for type nc:DocumentType				
16	*+ it:AdditionalInformation*	it:AdditionalInformationType	Applied augmentation for type nc:DocumentType				
17	nc:ActivityDocumentAssociationAugme		An augmentation point for ActivityDocumentAssociationType	mod			
18							
19							
20	nc:ActivityFacilityAssociationType	extends nc:AssociationType	A data type for an association between an activity and a facility.	mod			
21	Click here for object properties						
22	nc:Activity	nc:ActivityType	A single or set of related actions, events, or process steps.	mod			
23	nc:Facility	nc:FacilityType	A building, place, or structure that provides a particular service.	mod			
24	nc:ActivityFacilityAssociationAugmenta		An augmentation point for ActivityFacilityAssociationType	mod			
25							
26							

NIEM Core / Biometrics / CBRN / CYFS / Em Mgt / Immigration / Intel / Infra Protection / Intl Trade / JXDM / Maritime / Screening / Type Description / Elts sorted by type / Elts sorted by name

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MODEL CODES (ENUMERATIONS)

niem-3.0-beta1-codes.xlsx

	A	B	C	D
1	**NS**	**Link**	**NS Definition**	**URI**
2				
3	ansi_d20	Type List	Motor vehicle administration codes from ANSI D20, the Data Dictionary for Traffic Record Systems, maintained by AAMVA, the American Association of Motor Vehicle Administrators.	http://release.niem.gov/niem/codes/ansi_d20/3.0/
4	apco	Type List	Association of Public-Safety Communications Officials (APCO) - International, Inc.	http://release.niem.gov/niem/codes/apco_event/3.0/
5	atf	Type List	Bureau of Alcohol, Tobacco, and Firearms	http://release.niem.gov/niem/codes/atf/3.0/
6	biom	Type List	Biometric Schema Version 1.0	http://release.niem.gov/niem/domains/biometrics/3.0/
7	can	Type List	Province codes for Canada.	http://release.niem.gov/niem/codes/canada_post/3.0/
8	cbrncl	Type List	Radiological and Nuclear Code List	http://release.niem.gov/niem/codes/cbrncl/3.0/
9	census	Type List	County codes from US Census.	http://release.niem.gov/niem/codes/census_uscounty/3.0/
10	core_misc	Type List	Non-authoritative codes for the direction of a person's pose in an image.	http://release.niem.gov/niem/codes/core_misc/3.0/
11	cyfs	Type List	Children, Youth, and Family Services	http://release.niem.gov/niem/domains/cyfs/3.0/
12	dea	Type List	Drug Enforcement Administration	http://release.niem.gov/niem/codes/dea_ctlsub/3.0/
13	dod_jcs-pub2.0	Type List	Intelligence discipline codes from the U.S. Department of Defense (DoD) Joint Publication 2.01.	http://release.niem.gov/niem/codes/dod_jcs-pub2.0/3.0/
14	dol	Type List	US Department of Labor occupation codes	http://release.niem.gov/niem/codes/dol_soc/3.0/
15	edxl_rm	Type List	Emergency Data Exchange Language	http://release.niem.gov/niem/codes/edxl_rm/3.0/
16	em	Type List	Emergency Management	http://release.niem.gov/niem/domains/emergencyManagement/3.0/
17	fips_10-4	Type List	Countries, dependencies, areas of special sovereignty, and their principal administrative divisions from the Federal Information Processing Standards (FIPS) 10-4.	http://release.niem.gov/niem/codes/fips_10-4/3.0/
18	fips_5-2	Type List	Codes for the identification of the states, the District of Columbia and the outlying areas of the U.S., and associated areas from the Federal Information Processing Standards (FIPS) 5-2.	http://release.niem.gov/niem/codes/fips_5-2/3.0/
	fips_6-4	Type List	Counties and equivalent entities of the U.S., its possessions, and associated areas from the Federal	http://release.niem.gov/niem/codes/fips_6-4/3.0/

NS Index | Type Index | ansi_d20 | apco | atf | biom | can | cbrncl | census | core_misc | cyfs | dea | dod_jcs-pub2.0 | dol | edxl_rm | em | fips_10-4

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QA REPORT

niem-3.0-beta1-QA.xlsx

Test	Tab	Core	Biom	CBRN	CYFS	EM	IM	Intel	InfrProt	IntTrade	JXDM	Mar	Scr
Types should have definitions	TypeBlankDef	fail		fail								fail	
Type names end with representation term "Type"	TypeRepTerm			fail									
CSC type names should usually correspond to their base simple type name (optional)	TypeNameMismatch			check	check								
Elements should have definitions.	EltBlankDef					fail							
Association names should use "Association" as a representation term	EltAssnName						fail						
Elements should have complex data types	EltSimpleType		fail	fail	fail								
Element names should not contain the reserved term "Type"	EltTermType			fail									
Element names should be upper camel case	EltUCC			fail									
Codes and other facets should have definitions.	FacetBlankDef	fail	fail			fail						fail	
Codes should not begin or end with a space	CodeSpace			fail									
Definitions of abstract elements should begin with "A data concept for ..."	EltDefAbstract		fail	fail	fail	fail	fail	fail		fail			fail
Definitions of association elements should begin with "An association... " or "A relationship... "	EltDefAssn			fail	fail	fail	fail	fail		fail			fail
Definitions of augmentation elements should begin with "Additional information about..."	EltDefAug			fail	fail								
Definitions of category text elements should begin with "A kind of..."	EltDefCatText			fail	fail	fail	fail	fail		fail			fail
Definitions of date elements should begin with "A date ..."	EltDefDate	fail		fail	fail	fail	fail			fail	fail		fail
Definitions of description text elements should begin with "A description of..."	EltDefDescText			fail	fail	fail	fail			fail			fail
Definitions of image elements should begin with "A(n) (optional adjective) image/picture/photograph of..."	EltDefImage				fail								
Definitions of identification elements should begin with "A(n) (optional adjective) identification..."	EltDefIdentification			fail	fail	fail	fail	fail		fail			fail
Definitions of identifier elements should begin with "An identifier..."	EltDefIdentifier	fail	fail	fail	fail	fail	fail	fail	f	fail	fail		fail
Definitions of indicator elements should begin with "True if...; false otherwise/if..."	EltDefIndicator			fail	fail		fail	fail		fail			fail

Notes | **Overview** | TypeBlankDef | TypeRepTerm | TypeNameMismatch | EltAssnName | EltBlankDef | EltSimpleType | EltTermType | EltUCC | FacetBlankDef | CodeSpace | AttribMin | EltMinMal

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NCCT ISSUE RESOLUTION (SINCE AUGUST 2012)
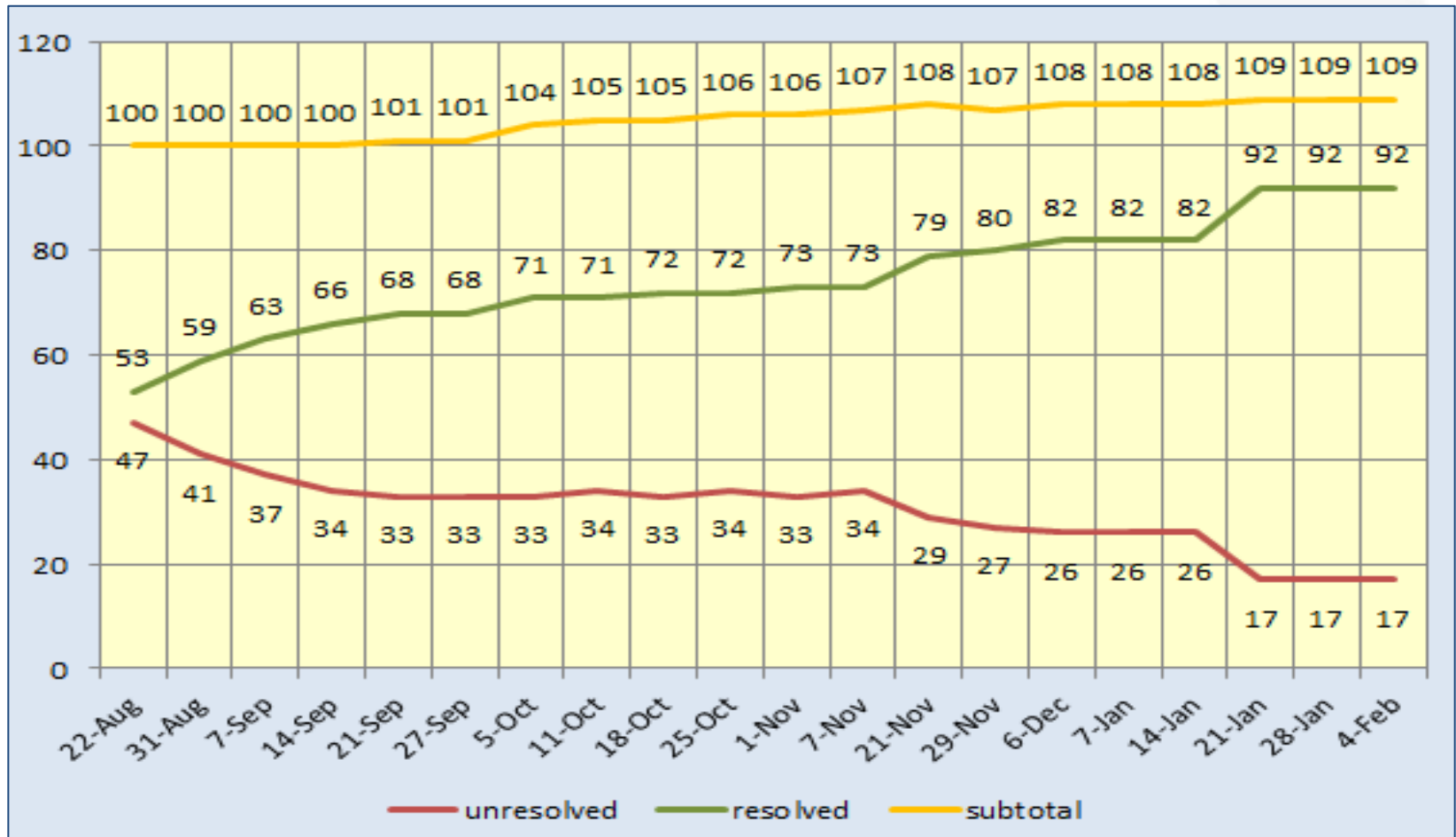
WHAT'S IN NIEM 3.0?
(CHANGES FROM 2.1)

Domains
> *New Domain*: Biometrics
> *Updates:* Justice, CBRN, Immigration, Screening, Biometrics, International Trade, Maritime
> Family Services (FS) changed its name to Children, Youth, & Family   Services (CYFS)

Resolved issues in NIEM Configuration Control Tool (NCCT)
> 100+ NCCT issues backlogged after NIEM 2.0 and 2.1
> ~100 issues resolved since the NIEM 3.0 Kickoff in August

Significant object updates: LocationType (refactored), DocumentType, ContactInformation (types and associations), FacilityType, ItemType, BiometricType, Measures and MeasureType.

New code lists: HL7 (religion), GENC, Census-USCounty, occs-facility, DoL-soc (occupations), XCard (v-card XML representation)

Code list updates: FIPS (sunset lists), mmucc, nga-vdatum, ansi-d20

Harmonization: Justice & Biometrics, Immigration & Screening, CBRN & International Trade, Screening & Biometrics, Core & Biometrics

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UPDATES TO NIEM TECHNICAL ARCHITECTURE IN 3.0

ALSO STARRING: WEBB ROBERTS

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TECHNICAL ARCHITECTURE

- These updates are not final

- Please make comments

- NIEM Technical Architecture Committee (NTAC) vets comments

- Goals: simplification, usability

- NIEM Naming and Design Rules (NDR) is being updated; please comment on the artifacts in the release!

SIMPLIFIED STRUCTURES

NIEM 2.0	NIEM 3.0
structures:linkMetadata attribute	Replaced with structures:relationshipMetadata attribute
structures:sequenceID	Removed
structures:Augmentation element	Removed
structures:Metadata element	Removed
structures:ComplexObjectType	Replaced with structures:ObjectType and structures:AssociationType
structures Object and Association resources (for appinfo:Base)	Removed; extend from base types
structures:ReferenceType	Removed

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SIMPLIFIED ANNOTATIONS

NIEM 2.0	NIEM 3.0
appinfo:ConformantIndicator	Schema: use attribute ct:conformanceTargets. Imports: use attribute appinfo:externalImportIndicator
appinfo:Base	Use the base types structures:ObjectType, structures:AssociationType.
appinfo:ReferenceTarget	Use the element's type attribute.
appinfo:AppliesTo	Augmentations: use the augmentation element's substitutionGroup attribute. Metadata: use attributes appinfo:appliesToTypes, appinfo:appliesToElements.
appinfo:ExternalAdapterTypeIndicator	Use attribute appinfo:externalAdapterTypeIndicator

SIMPLIFIED ANNOTATIONS

```xml
<xs:complexType name="MultiCurveType" appinfo:externalAdapterTypeIndicator="true">
  <xs:annotation>
    <xs:documentation>[...]</xs:documentation>
    <xs:appinfo>
      <appinfo:Base
       appinfo:namespace="http://niem.gov/niem/structures/2.0"
          appinfo:name="Object"/>
      <appinfo:ExternalAdapterTypeIndicator
                  >true</appinfo:ExternalAdapterTypeIndicator>
    </xs:appinfo>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="structures:ComplexObjectTypeObjectType">
      <xs:sequence>
        <xs:element ref="gml:MultiCurve"
                    minOccurs="1"
                    maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>[...]</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

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UNIFIED CONTENT & REFERENCE ELEMENTS

CONTENT

```xml
<j:ArrestInvolvedWeapon>
  <nc:WeaponUser>
    <nc:PersonBirthDate>
      <nc:Date>1968-05-14</nc:Date>
    </nc:PersonBirthDate>
    <nc:PersonName>
      <nc:PersonFullName>Mark Moe</nc:PersonFullName>
    </nc:PersonName>
  </nc:WeaponUser>
  <nc:WeaponUsageText>Fired</nc:WeaponUsageText>
</j:ArrestInvolvedWeapon>
```
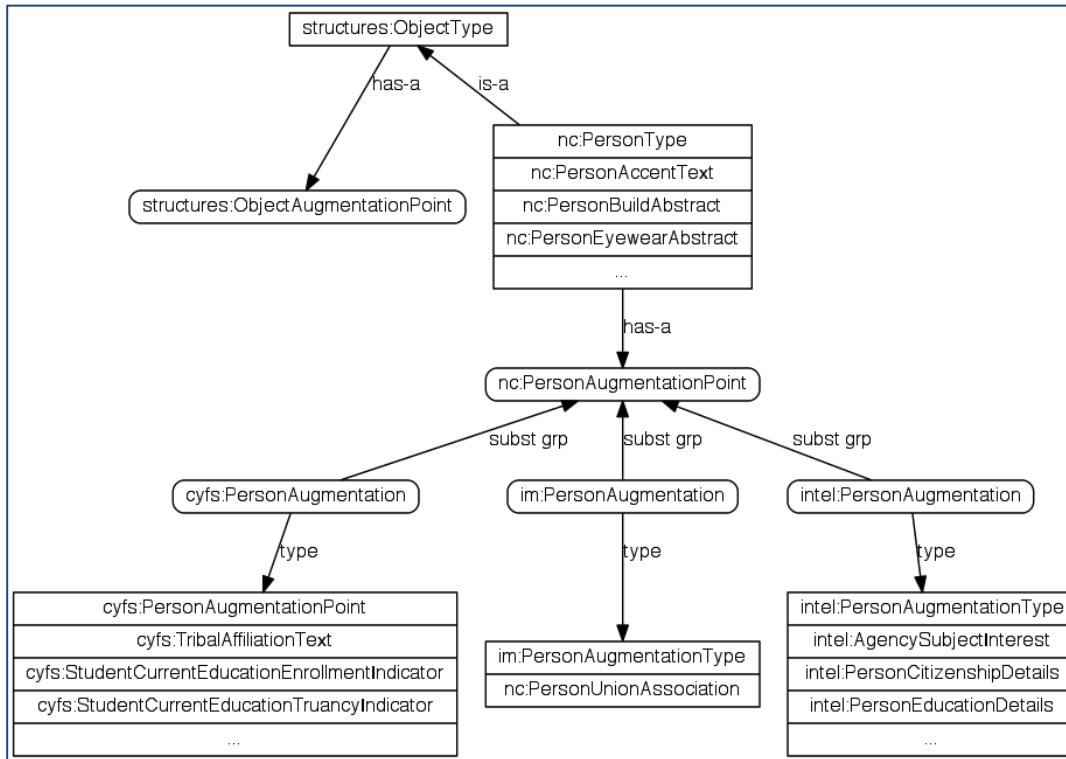
```
j:ArrestInvolvedWeapon
        has-a        has-a
nc:WeaponUser    nc:WeaponUsageText
   has-a    has-a
nc:PersonBirthDate    nc:PersonName
```
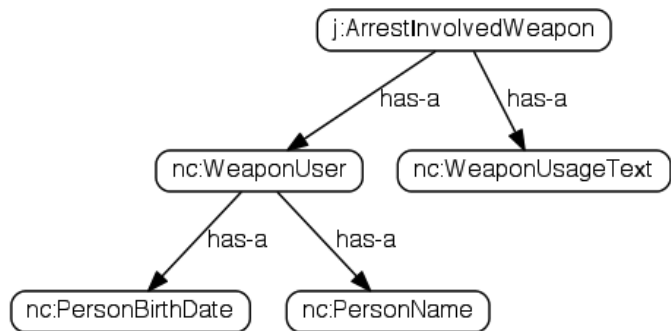
REFERENCE

```xml
<j:ArrestInvolvedWeapon>
  <nc:WeaponUser structures:ref="Person1"/>
  <nc:WeaponUsageText>Fired</nc:WeaponUsageText>
</j:ArrestInvolvedWeapon>

<nc:Person structures:id="Person1">
  <nc:PersonBirthDate>
    <nc:Date>1968-05-14</nc:Date>
    <nc:PersonName>
      <nc:PersonFullName>Mark
Moe</nc:PersonFullName>
    </nc:PersonName>
  </nc:PersonBirthDate>
</nc:Person>
```

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SIMPLIFIED SCHEMAS

```
<xs:complexType name="WeaponType">
  <xs:annotation>
    <xs:documentation>[...]</xs:documentation>
    <xs:appinfo>
      <appinfo:Base appinfo:namespace="http://niem.gov/niem/structures/2.0"
appinfo:name="Object"/>
    </xs:appinfo>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="structures:ComplexObjectTypeObjectType">
      <xs:sequence>
        <xs:element ref="nc:WeaponUser" minOccurs="0" maxOccurs="unbounded"/>
        <xs:element ref="nc:WeaponUserReference" minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

<xs:element name="WeaponUser" type="nc:PersonType">
  <xs:annotation>
    <xs:documentation>A person who uses a weapon.</xs:documentation>
  </xs:annotation>
</xs:element>

<xs:element name="WeaponUserReference" type="structures:ReferenceType">
  <xs:annotation>
    <xs:documentation>A person who uses a weapon.</xs:documentation>
    <xs:appinfo>
      <appinfo:ReferenceTarget appinfo:name="PersonType"/>
    </xs:appinfo>
  </xs:annotation>
</xs:element>
```

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UPDATED AUGMENTATIONS

Augmentations are extensions without subclasses

Each object or association type contains an **augmentation point** element

Augmentation elements are substitutable for the augmentation point

STRUCTURES BASE TYPES

```
<xs:complexType name="ComplexObjectTypeObjectType" abstract="true">
  <xs:sequence>
    <xs:element ref="structures:ObjectAugmentationPoint" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute ref="structures:id"/>
  <xs:attribute ref="structures:ref"/>
  <xs:attribute ref="structures:metadata"/>
  <xs:attribute ref="structures:linkMetadatastructures:relationshipMetadata"/>
  <xs:anyAttribute namespace="urn:us:gov:ic:ism urn:us:gov:ic:ntk" processContents="lax"/>
</xs:complexType>
```

- Split ComplexObjectType into ObjectType, AssociationType
- Added augmentation point element
- Added structures:ref attribute
- Renamed linkMetadata to relationshipMetadata
- Added attribute wildcard for IC ISM, NTK namespaces

LOCAL VOCABULARY

- Annotations in the schema identify non-dictionary terminology: jargon, acronyms, slang

- Removes NDR 1.3 Table 9-1: Abbreviations

- Used in Immigration namespace

```
<term:LocalTerm term="SEVIS"
            literal="Student and Exchange Visitor Information
                      System"/>
<term:LocalTerm term="ICE"
            literal="Immigration and Customs Enforcement"/>
<term:LocalTerm term="USCIS"
            literal="United States Citizenship and Immigration
                      Services"/>
```

ICEEmployeeType	ICEEmployeeAugmentationPoint
ICEOfficerType	ICEEmployeeBadgeIdentification
SEVISPersonDependentAssociationType	ICEEmployeeK9Indicator
ICEEmployee	ICEEmployeePINIdentification
ICEEmployeeAssistantUSAttorneyIndicator	ICEEmployeePayGradeNumeric
ICEEmployeeAttorneyIndicator	ICEEmployeeTitleText

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ABSTRACT ELEMENTS FOR CODES
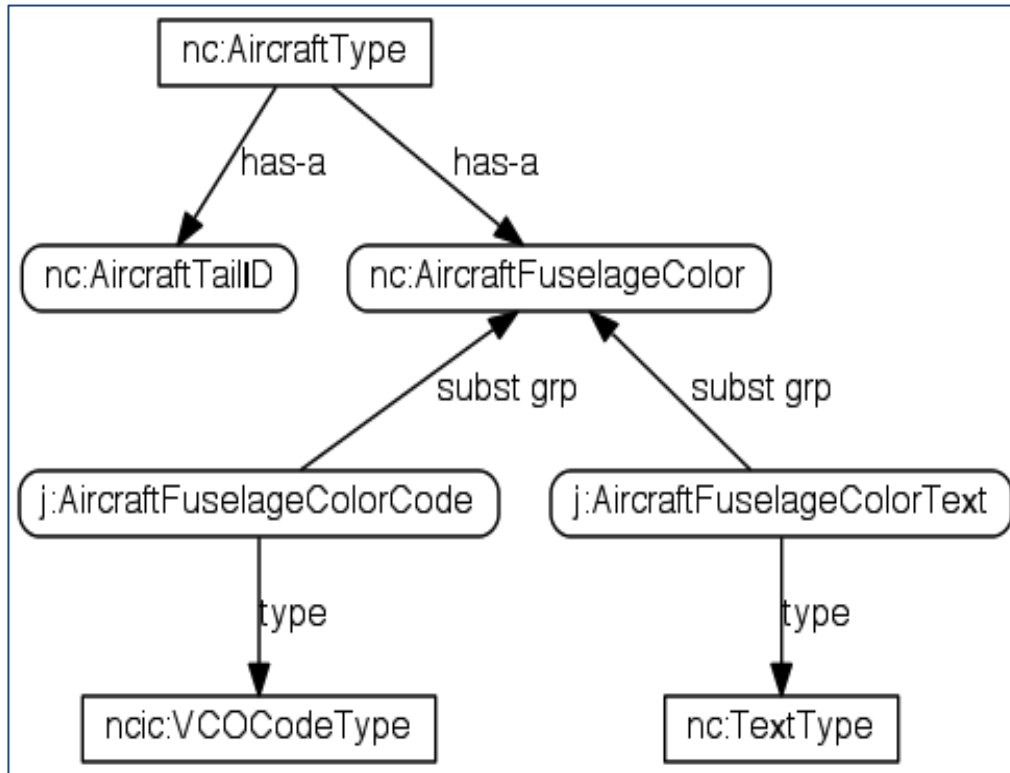
- Code + Text with the same basic meaning

- Release defines an abstract, typeless element for each

- Code + Text are substituted for the base element

HOW YOU CAN CONTRIBUTE

BACK TO…JUSTIN STEKERVETZ

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HOW TO PROVIDE FEEDBACK

More on NIEM 3.0: NIEM.gov/version3

The Beta model is available from now until **July 8th** for public review. Providing feedback is easy!

Step 1: Download the Beta Model

Go to https://www.niem.gov/technical/coming-soon/Pages/Public-Review.aspx to download the latest Beta Model. The Beta release package contains both XML schemas and a Microsoft Excel spreadsheet.

Step 2: Determine your Review Type and Access Materials

We are looking for both technical and non-technical feedback!
- **Non-Technical Review**: You can review the Model in Excel without having to understand XML schemas.
- **Technical Review**: You can also review the Extensible Markup Language (XML) schemas.

Step 3: Conduct Your Review

What to look for in your review.
- ✓ Definitions
- ✓ Technical Architecture
- ✓ Grammar/Spelling/Punctuation
- ✓ Harmonization
- ✓ Code Lists
- ✓ Other

Step 4: Submit Your Feedback on **NIEM**.gov

To submit feedback go to https://www.niem.gov/Pages/contact.aspx. Select "NIEM 3.0 Feedback" under "Category" in the online form.

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NATIONAL INFORMATION EXCHANGE MODEL
NIEM.gov

STEP 1 — DOWNLOAD THE BETA MODEL

Go to: https://www.niem.gov/technical/coming-soon/Pages/Public-Review.aspx
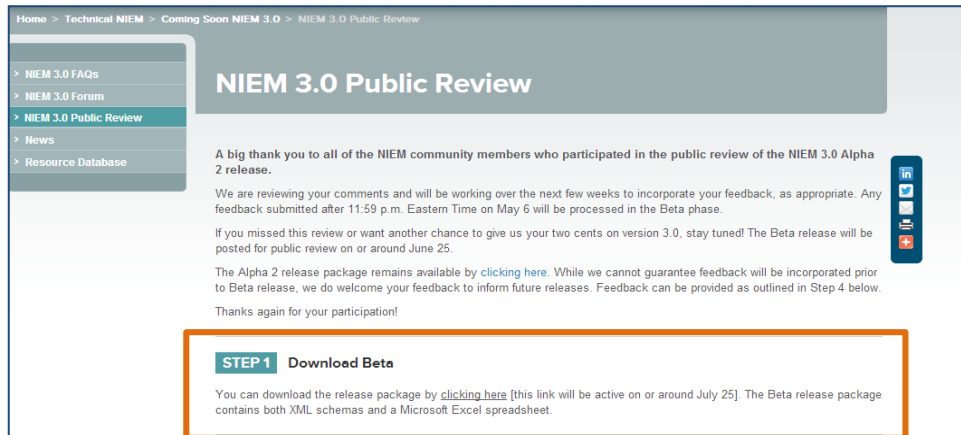
NOTE: You can also go to NIEM.gov/version3 & click the "public review" button to get to this page!

The Beta link will allow you to download a Zip File of the model
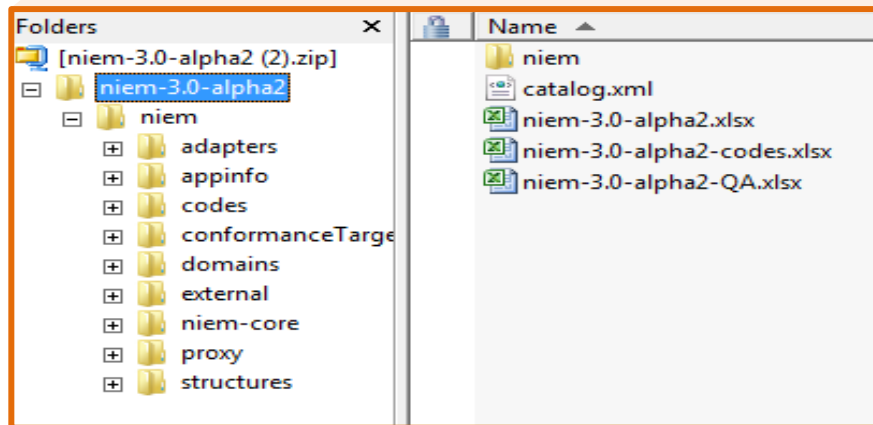
Similar to the Alpha 2 model for public review, the Beta release package contains both **XML schemas** and a **Microsoft Excel spreadsheet**.

DETERMINE REVIEW TYPE & ACCESS MATERIAL

We are looking for both Non-Technical and Technical review feedback!

NON-TECHNICAL REVIEW

Excel File:
The first tab contains the content of NIEM Core. The other tabs each contain an individual NIEM domain. All domains are included.

TECHNICAL REVIEW

Text or XML Editor:
Schemas can be viewed via a text editor or an XML Editor

SSGT:
http://tools.niem.gov/niemtools/ssgt/SSGT-SearchSubmit.iepd

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NIEM.gov

CONDUCT YOUR REVIEW:
WHAT TO LOOK FOR

☑ **Definitions**

Do you see a definition that appears to be incorrect? Do any definitions appear to conflict with each other? Are definitions distinct and distinguishable (or at least different)?

☑ **Grammar/Spelling/Punctuation**

Do you see errors in the text of the model?

☑ **Technical Architecture**

NIEM 3.0 has over a dozen technical improvements to architecture and structure. Review available schemas and artifacts.

☑ **Harmonization**

Do data element exists only once? Are they semantically precise and clear? Are they e-usable and scalable across domains and the NIEM community?

☑ **Code Lists**

Are code lists up-to-date and relevant?

☑ **Other**

Are there additional content or structural items or issues that need to be addressed?

SUBMIT YOUR FEEDBACK

To submit feedback go to https://www.niem.gov/Pages/contact.aspx.

Select **"NIEM 3.0 Feedback"** under "Category" in the online form.

DON'T MISS YOUR LAST CHANCE!
SUBMIT YOUR FEEDBACK TODAY!

Beta is your **LAST CHANCE** to provide feedback on the entire version 3.0 release. To ensure that 3.0 is a success, your review of Beta is critical!

Feedback Submission Period:
June 25th, 2013 – July 8th, 2013

To download the model:
https://www.niem.gov/technical/coming-soon/Pages/Public-Review.aspx

To submit feedback:
https://www.niem.gov/Pages/contact.aspx

Questions?
E-mail information@niem.gov with subject: "**3.0 HELP**"

Run…don't walk, and **SUBMIT YOUR FEEDBACK TODAY!**

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