

NATIONAL INFORMATION EXCHANGE MODEL (NIEM)

- ◆ **More than 10,000 changes have been made from NIEM 1.0 to 2.0, including:**
 - ❖ More than 5,000 component changes
 - ❖ More than 5,000 code list value changes
 - ❖ Universal + Common = NIEM Core (nc:)
 - ❖ NIEM Core tagged/searchable as U or C
- ◆ **Reviewed and revised identifiers (IDs) and identification types**
- ◆ **Added new uniform resource identifier (URI) representation term and corresponding URIType**
- ◆ **Integrated GJXDM 3.1 Beta**
- ◆ **Remodeled the following types:**
 - ❖ Measure
 - ❖ Location: address, latitude/longitude, geographic coordinates
 - ❖ Date, time
 - ❖ Facility, correctional facility (structure removed)
 - ❖ Entity (person or organization)
 - ❖ Contact information
 - ❖ Telephone number
- ◆ **Revised many Core definitions**
- ◆ **Standardized Core definition formats**
 - ❖ (Type, abstract, augmentation, role, etc.)
- ◆ **Developed new component metadata fields (for search/discovery):**
 - ❖ Key words—including synonyms and slang terms
 - ❖ Usage descriptions—describe specific use cases
 - ❖ Examples—typical or sample values
- ◆ **Reviewed Core data elements for *Naming and Design Rules* conformance and International Organization for Standardization (ISO) 11179 naming guidelines**
- ◆ **Made namespace adjustments, including:**
 - ❖ Components moved to/from Universal, Common, and domains
 - ❖ Justice namespace renamed Global Justice XML Data Model (GJXDM) 4.0
 - ❖ Geospatial namespace prefix replaced by geo:
- ◆ **Integrated approximately 30 resolved NIEM configuration control tool issues for NIEM Business Architecture Committee/NIEM Technical Architecture Committee**
- ◆ **Inserted American National Standards Institute—National Institute of Standards and Technology (ANSI-NIST) biometric standard in new namespace**
 - ❖ Removed some duplicate components from Core
 - ❖ Applied additional 50+ adjustments requested by the Federal Bureau of Investigation
 - ❖ More thorough integration with Core planned for next release
- ◆ **Reintegrated domains to new Core**
- ◆ **Replaced inappropriate specializations with augmentations**

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- ◆ Repaired applied augmentations
- ◆ Added new code lists and types:
 - ❖ U.S. Department of Transportation: hazmat
 - ❖ Bureau of Alcohol, Tobacco, Firearms and Explosives: explosives
 - ❖ U.S. Drug Enforcement Administration: drugs
 - ❖ National Geospatial-Intelligence Agency (NGA): horizontal datums
- ◆ Updated existing code lists to most current:
 - ❖ Federal Information Processing Standards 10-4 country codes (from latest NGA updates)
 - ❖ ISO 639-3 language codes
 - ❖ ISO 3166 country codes
 - ❖ National Crime Information Center Technical and Operational Update 06-2 (latest available)
 - ❖ Corrected use of U.N. Economic Commission for Europe Rec. 20—now using common codes (not symbols) for units of measure
- ◆ Integrated 26 FBI Law Enforcement National Data Exchange issues and components
- ◆ Remodeled *EncounterType* for immigration and people-screening domains
- ◆ Updated and repaired U.S. Immigration and Customs Enforcement component definitions
- ◆ Addressed a number of technical concerns from the Office of the Director of National Intelligence
- ◆ Added new components and code lists for suspicious activity reporting (SAR) Information Exchange Package Documentation (IEPD)
- ◆ Remodeled *Passport* and integrated with Core for SAR and people-screening IEPDs
- ◆ Updated NIEM to use Intelligence Community information security markings*
 - * Current "For Official Use Only" nature precludes public release
- ◆ Added other new features
 - ❖ Newly revised *Naming and Design Rules*, Draft Version 1.2 (August 7, 2007)
 - ❖ *Techniques for Building and Extending NIEM XML Components*, Version 2.0.1 (August 7, 2007); includes examples
 - ❖ Improvements to spreadsheet format
 - ❖ URI pages for both NIEM 1.0 and 2.0 rooted at <http://niem.gov/niem>
 - ❖ Limited domain independent versioning

Training opportunities:
www.niem.gov/calendar/month.php

Questions: information@niem.gov

www.NIEM.gov