

Terrorist Watchlist Person Data Exchange Standard (TWPDES)
Version 3.0

Watchlisting Specification (WLS)

Information Exchange Package Documentation (IEPD)

December 2009

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Document Revision History

Revision	Revised By	Date	Summary of Change
3.0 R0C0	C. J. Lee	12/4/2009	<ul style="list-style-type: none">• Removed “Sensitive But Unclassified // For Official Use Only” markings in the document.• Removed references to “Controlled Unclassified Information”.• Updated Version 1.2b to Version 3.0 to mark the changes.

1 Introduction

1.1 Purpose

This document describes the Watchlisting Specification (WLS) of the Terrorist Watchlist Person Data Exchange Standard (TWPDES), version 3.0. The goal of the WLS is to provide a flexible standard for the communication of terrorist watchlisting information between agencies and transactional systems deployed across the screening, law enforcement, and intelligence communities. This includes both nominations to add entities to a terrorist watchlist and the subsequent dissemination of this watchlist to downstream agencies.

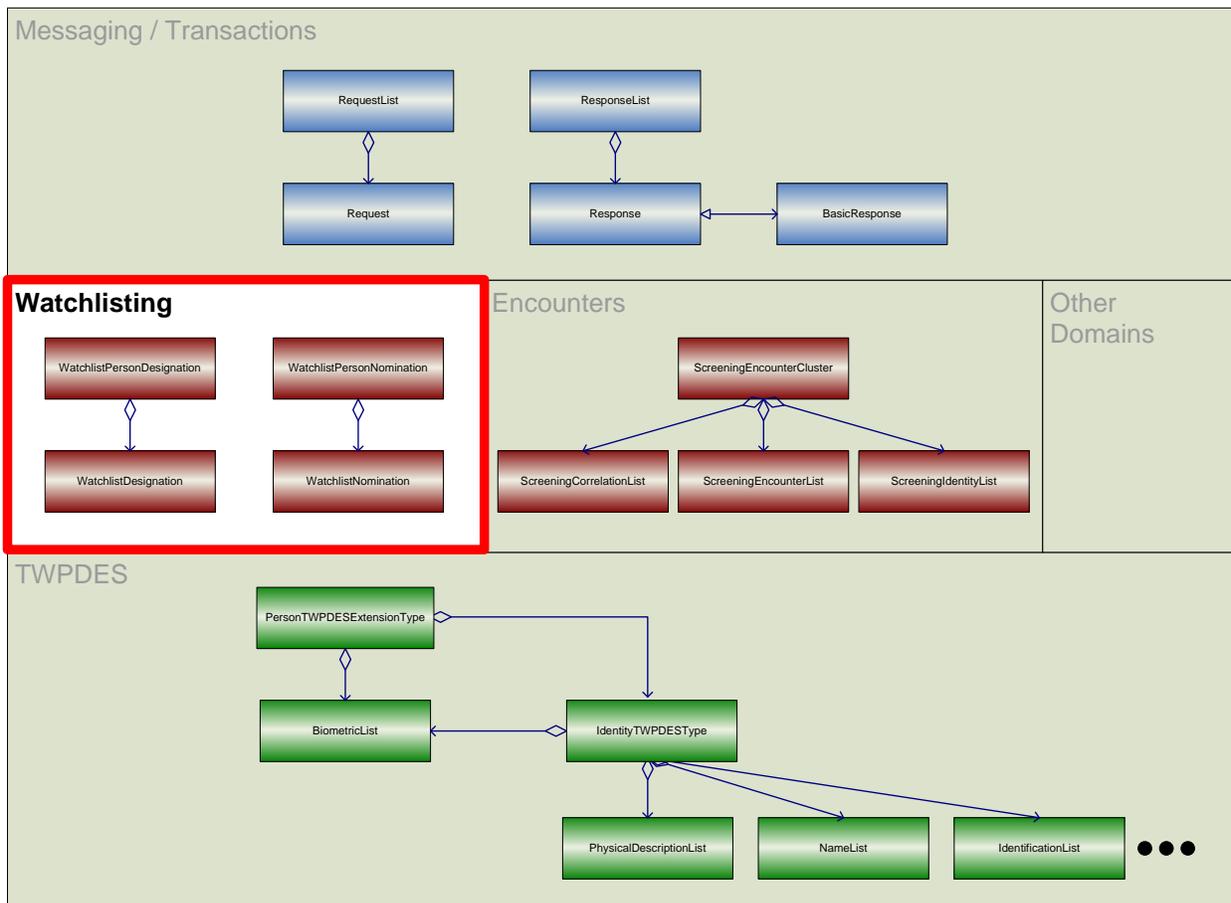


Figure 1: TWPDES Schema Context

1.2 Differences Between Watchlisting Schema in 1.2a and 1.2b

The following lists the Extensible Markup Language (XML) elements and associated changes that were made in the evolution of the Watchlisting schema in TWPDES 1.2a specification to the 1.2b level:

Element(s)	Change Description
WatchlistPersonDesignation/ WatchlistPersonDesignationType/	Added to support watchlist designations that span multiple identities for the same physical person.
WatchlistNomination/ WatchlistNominationType/	Added to support the requesting of identities to be added to a watchlist (rather than designating their status on the watchlist).
WatchlistPersonNomination/ WatchlistPersonNominationType/	Added to support the requesting of multiple identities for the same person to be added to a watchlist.
designatedActionCode attribute	Added NoChange to enumeration to support full transmission of records without forcing a change type.
WatchlistDesignation/PersonID	Added to link multiple identities of the same person together.
WatchlistDesignation/EntityReference	Added to allow references to either the identity data or the person data.
WatchlistDesignation/WatchlistEntry	Redefined WatchlistEntry to be a substitution group of “identity facets”. For example, biometric facet, date of birth facet, name facet, etc.
WatchlistDesignation/Identity	Adapted the TWPDES Identity type (Person_Party) as an external standard; and wrapped it in a National Information Exchange Model (NIEM)-conformant type (IdentityTWPDESType).
Replaced WatchlistDesignation/IdentityID by WatchlistDesignation/nc:IdentificationID Replaced WatchlistDesignation/SystemIdentifier by WatchlistDesignation/intel:SystemIdentifier Replaced WatchlistDesignation/AgencySubjectInterest by WatchlistDesignation/intel:AgencySubjectInterest	Replaced the non-NIEM elements by NIEM elements.
Renamed WatchlistDesignation/USPersonIndicator to WatchlistDesignation/USPersonIndicatorCode. Renamed WatchlistDesignation/SubjectType to	Renamed elements and types to be conformant to NIEM’s naming rules.

Element(s)	Change Description
WatchlistDesignation/SubjectType Code. Renamed WatchlistDesignation/WatchlistDisposition/PostedToWatchlist to WatchlistDesignation/WatchlistDisposition/WatchlistPostedIndicator	
Replaced ExtensionElements by WatchlistDesignation/WatchlistDesignationAugmentation	Follow NIEM's design principle 11, "The use of wildcard mechanisms in standard schemas should be avoided."
LEXS doPublish	Support the payload-aware LEXS Digest for Watchlist Designation/Nomination messages.

1.3 Difference Between Watchlisting Schema in 1.2b and 3.0

There is one change between the TWPDES 1.2b Watchlisting Schema and the TWPDES 3.0 Watchlisting Schema. This change updated the TWPDES 1.2b namespace reference from "http://twpdes.gov/twpdes/twpdes-adaptor/1.2b" to "http://twpdes.gov/twpdes/twpdes-adaptor/3.0".

Element(s)	Change Description
http://twpdes.gov/twpdes/twpdes-adaptor/3.0	Updated name space to reflect new version number.

1.4 External Schema Dependencies

The TWPDES 3.0 WLS utilizes a number of external schema dependencies from NIEM. These schemas, and their respective locations, are listed below:

Item	Location
action.xsd	schemas/twpdes/action/1.0/
appinfo.xsd	schemas/niem/appinfo/2.0/
IC-ISM-v2.xsd	schemas/niem/ic-ism/2.0/
intelligence.xsd	schemas/niem/domains/intelligence/2.0/
niem-core.xsd	schemas/niem/niem-core/2.0/
structures.xsd	schemas/niem/structures/2.0/
twpdes-adaptor.xsd	schemas/twpdes/twpdes-adaptor/3.0/

Item	Location
xsd.xsd	schemas /niem/proxy/xsd/2.0/

1.5 Principles

In developing the WLS, the primary goal was to allow a screening or law enforcement view of terrorist information to be exchanged between agencies, while leveraging existing standards as much as possible. As such, the TWPDES WLS introduces a new standard that utilizes existing TWPDES and NIEM standards. Where an element was created to support watchlisting, NIEM 2.0 data types were used whenever possible. If there was not an appropriate NIEM 2.0 type, existing TWPDES types were used if available. If no types were found in either standard to support the requirements, new types were created.

1.6 Requirements

The WLS was defined with the goal of supporting the electronic exchange of terrorist entities including non-biographic content. There are three basic types of content supported by the schema:

1. Analysis Information – this is information about a person or identity that has been determined by an intelligence and/or law enforcement analyst and is not generally something inherently about an individual that can be used for identification. For example, how the individual should be treated if encountered, what they are suspected for, etc. As a general rule of thumb, this is information that the individual does not know about themselves.
2. Biographic Information – this is information about a person or identity that can be used for identification but does not tie back to a biological measurement. For example, a person’s name, date of birth, address, etc. As a general rule of thumb, this is information that the individual does know about themselves but can generally be changed easily.
3. Biometric Information – this is information about a person to support “the automated recognition of individuals based on their biological and behavioral characteristics” (ISO/IEC JTC1 SC37 Working Group 1). For example, a person’s fingerprint, iris scan, facial image, voice print, Deoxyribonucleic Acid (DNA), etc. As a general rule of thumb, this is information about what an individual is.

TWPDES 3.0 Watchlist schema definition is backward compatible with TWPDES 1.2b Watchlist messages, with the exception to remove the TWPDES 1.2b namespace reference “http://twpdes.gov/twpdes/twpdes-adaptor/1.2b” and replace it with “http://twpdes.gov/twpdes/twpdes-adaptor/3.0”. Other than this change, an XML file that is valid for TWPDES 1.2b Watchlist schema definition will also be valid for TWPDES 3.0 Watchlist schema definition.

Note that an XML file that is valid for TWPDES 3.0 Watchlist schema definition may not be valid for TWPDES 1.2b Watchlist schema definition. This is because some of the required fields in 1.2b are changed to be optional in 3.0 in addition to the new optional fields added to TWPDES 3.0 schema definition.

The TWPDES person model primarily supports an intelligence view of biographic content where there are few links between facets to allow for rich interpretations of possible combinations. Since each record can have multiple elements of each type there can be a very large number of possible combinations of facets that a terrorist may be using at any point in time.

For instance, a terrorist may commonly use three names and three dates of birth and use some combination of these at any given time (see Figure 2). From an intelligence mission view, both these lists can be treated separately to cast a wide net.

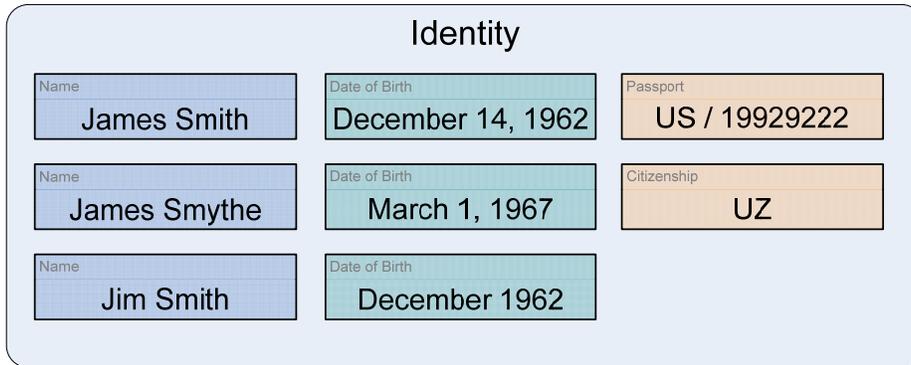


Figure 2: Identity

The screening and law enforcement communities requires a more rigorous interpretation of this data in order to take any action. Any time any action is taken, it must be based on information that is directly supported in the derogatory information about the individual. Therefore the weakly linked TWPDES person model is inadequate to provide true watchlisting data.

The WLS provides a set of entities to specify which biographic elements are related to each other such that they are screenable combinations. These combinations are known as watchlist entries (see Figure 3).

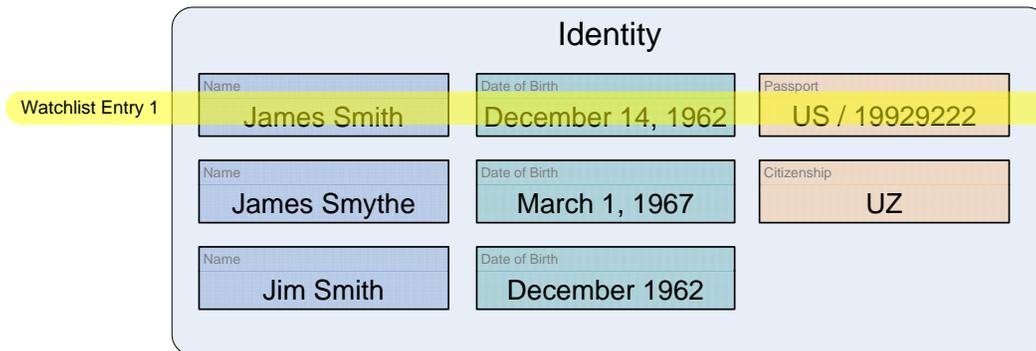


Figure 3: Watchlist Entry

The watchlist entries provide a set of related biographic facets that a screening agency can compare identities against. The entities contain summary level information for each facet and optionally link into the TWPDES identity elements for more detail.

Since a physical person can assume more than one identity, the schema supports grouping multiple identities together into a single person. This person can additionally be associated with biometric information for identification (see Figure 4). Watchlist entries cannot span identities.

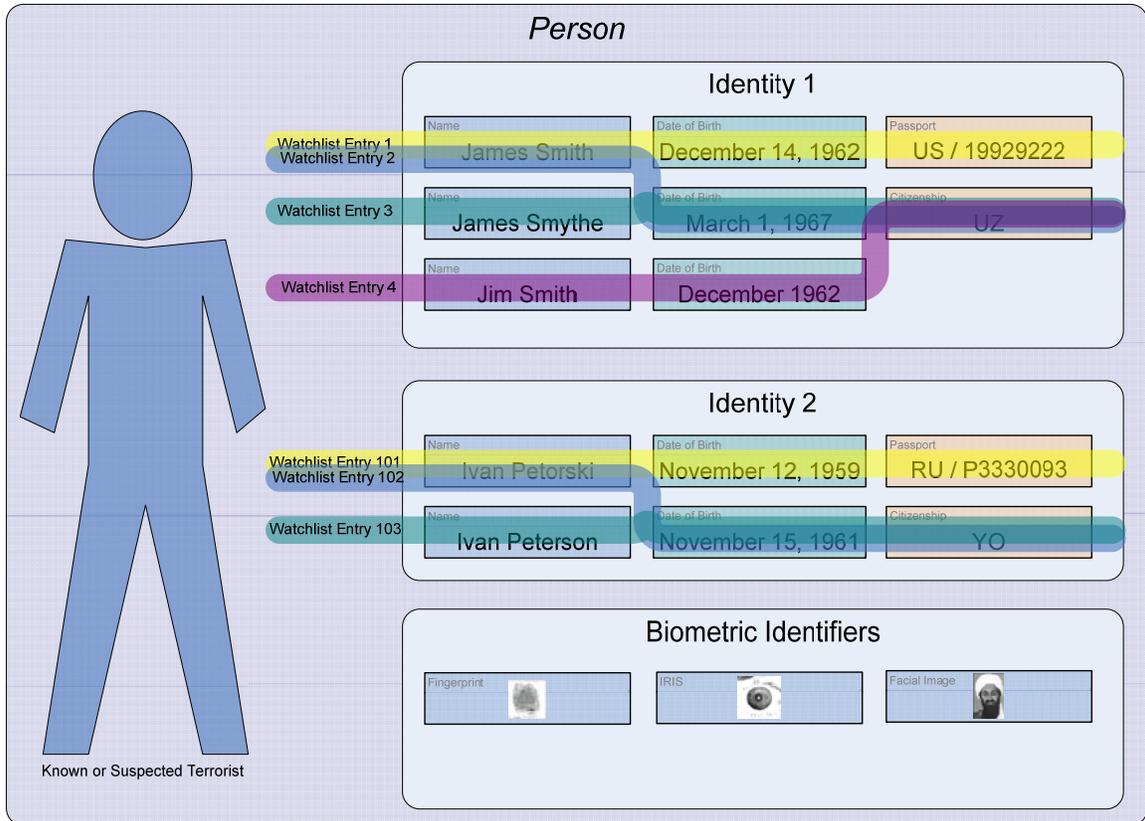


Figure 4: Person with Multiple Identities and Watchlist Entries

2 Message Construction

There are two basic purposes for the WLS, to conduct:

1. Nominations to a watchlist (i.e. requests for identity and person information additions/modifications/deletions to a terrorist watchlist). This is called a *WatchlistPersonNomination* or *WatchlistNomination*.
2. Updates to a screening agency (i.e. additions/modifications/deletions of identities and persons to screening agencies). This is called a *WatchlistPersonDesignation* or *WatchlistDesignation*.

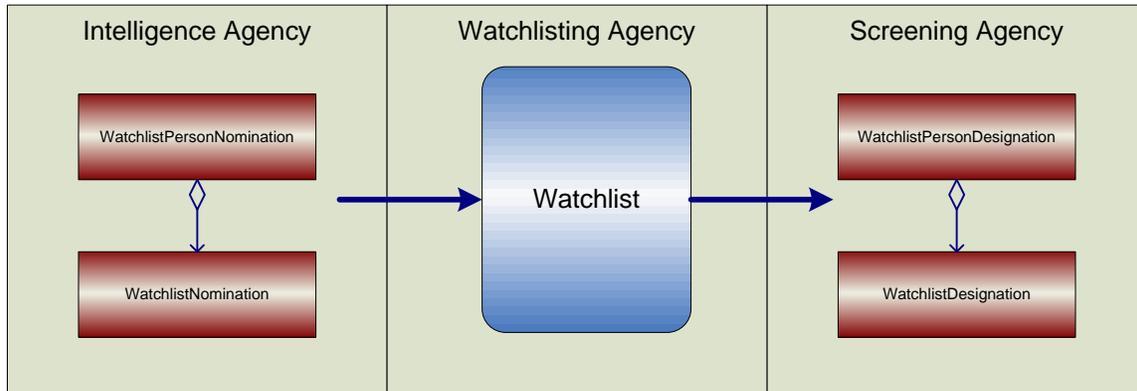


Figure 5: Agency Context

Each of these purposes can be broken into two approaches; a person view or an identity view. The person view models a single physical person who can be traced back to a single set of biometrics. This person can (and likely does) use more than one biographic identity. The identity view models a set of biographic data that are commonly used together. The determination of whether not biographic details are broken up between multiple identities or consolidated into a single identity is determined by business rules of the originating agency.

2.1 Watchlist Designation

A watchlist designation represents a directive to a screening agency to update their watchlisting data for the specified entity as appropriate. This is a law enforcement view of analysis, biometric and biographic data.

Note: The watchlist designation is addressed first to make it easier to compare with the earlier TWPDES standard. The 1.2a version of the specification focused on the relationship between the watchlisting agencies and the screening agencies. The organization of this document parallels the organization of the TWPDES 1.2a document and not the data flow.

2.1.1 Identity

A *WatchlistDesignation* element encompasses information about a single identity. This can include biometric data which is associated only with the specified identity. If there is biometric data associated with multiple identities, use the *WatchlistPersonDesignation*.

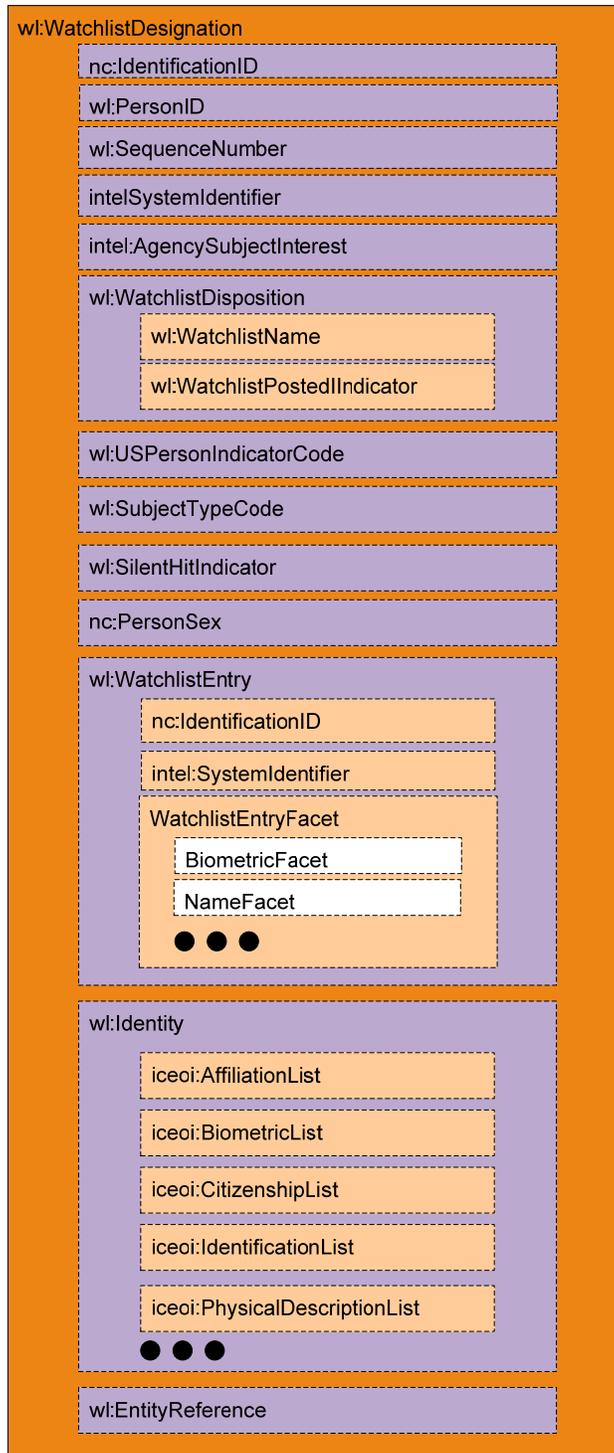


Figure 6: WatchlistDesignation Structure

2.1.2 Watchlist Designation Elements and Attributes

The abstractions illustrated in Figure 5 establish the context for the attributes, elements and associated descriptions listed in this table.

Element/Attribute	Description
/wl:WatchlistDesignation@ism:classification	A simple type in which a name token is restricted to the US, non-US, and joint classification portion mark abbreviations from the CAPCO Register.
/wl:WatchlistDesignation@ism:ownerProducer	ISO 3166-1 trigraph(s) of the owner or producer country(ies) and/or CAPCO-specified tetragraphs of international organizations. Either (a) a single trigraph or tetragraph or (b) a space-delimited list of trigraphs followed by tetragraphs. Trigraphs must be in alphabetical order and tetragraphs must be in alphabetical order.
/wl:WatchlistDesignation/nc:IdentificationID	The unique identifier for the identity in the watchlist designation.
/wl:WatchlistDesignation/wl:PersonID	The unique identifier for the person.
/wl:WatchlistDesignation/wl:SequenceNumber	The sequence number associated with changes to the identity to ensure correct ordering of modifications.
/wl:WatchlistDesignation/intel:SystemIdentifier/nc:IdentificationID	An external system identifier associated with this identity.
/wl:WatchlistDesignation/intel:SystemIdentifier/intel:SystemName	The system that the external system identifier came from.
/wl:WatchlistDesignation/intel:AgencySubjectInterests/intel:AgencyName	A government organization that has specified an interest in this person, or has issued a warning or handling instructions regarding this person.
/wl:WatchlistDesignation/intel:AgencySubjectInterests/intel:AgencyInterestCategory/intel:SubjectCategoryCode	Details that describe a general category or classification of persons by the reason they are of interest to intelligence.
/wl:WatchlistDesignation/intel:AgencySubjectInterests/intel:AgencyActionCode	An action for the law enforcement or screening agency to take on contact with

Element/Attribute	Description
res/intel:AgencySubjectHandling/intel:AgencySubjectHandlingFBICode	the person.
/wl:WatchlistDesignation/intel:AgencySubjectInteres/intel:SubjectReasonOnListText	The reason why the person has been added to a terrorist watch list by a government organization.
/wl:WatchlistDesignation/intel:AgencySubjectInteres/intel:SubjectCautionInformation/intel:SubjectCautionInformationDescriptionText	A description of cautions about a person's potential for dangerous behavior when contacted.
/wl:WatchlistDesignation/wl:WatchlistDisposition/wl:WatchlistName	The name of the screening agency's watchlist.
/wl:WatchlistDesignation/wl:WatchlistDisposition/wl:WatchlistPostedIndicator	An indicator that designates whether or not the identity is posted to the specified watchlist.
/wl:WatchlistDesignation/wl:USPersonIndicatorCode	The indicator code that designates whether or not the person is considered to be a United States citizen or permanent resident alien, or an imposter holding US papers (e.g., passport), who is involved in terrorist activities.
/wl:WatchlistDesignation/wl:SubjectTypeCode	A categorization of the subject (identity) of the message. For example, the person has an open domestic or international case against them.
/wl:WatchlistDesignation/wl:SilentHitIndicator	An indicator that designates whether or not the identity should be handled as a Silent Hit
/wl:WatchlistDesignation/nc:PersonSexCode	The gender of the person.
/wl:WatchlistDesignation/wl:WatchlistEntry@act:designatedActionCode	Type of designated action (add, modify, delete, or no change) for the element.
/wl:WatchlistDesignation/wl:WatchlistEntry/nc:Id	The unique identifier for this watchlist entry.

Element/Attribute	Description
entificationID	
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:NameFacet@s:ref	The link to the full name record in the TWPDES person details section.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:NameFacet/nc:PersonName/nc:PersonGivenName@nc:formCode	The shape and structure of the given name; specifically shows whether the given name is the original or variant name.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:NameFacet/nc:PersonName/nc:PersonGivenName	The first name for this watchlist entry.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:NameFacet/nc:PersonName/nc:PersonSurName@nc:formCode	The shape and structure of the given name; specifically shows whether the surname is the original or variant name.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:NameFacet/nc:PersonName/nc:PersonSurName	The last name or family name for this watchlist entry.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:DateOfBirthFacet/nc:PersonBirthDate/nc:DateAccuracyCode	How accurate the date of birth is (i.e. exact or circa).
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:DateOfBirthFacet@s:ref	The link to the full physical description record in the TWPDES person details section.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:DateOfBirthFacet/nc:PersonBirthDate/nc:Year	The year of birth for this watchlist entry if there is no month and day associated with the DOB.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:DateOfBirthFacet/nc:PersonBirthDate/nc:YearMont	The year and month of birth for this watchlist entry if there is no day associated with the DOB.

Element/Attribute	Description
h	
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:DateOfBirthFacet/nc:PersonBirthDate/nc:Date	The full date of birth for this watchlist entry.
/wl:WatchlistDesignation/wl:WatchlistEntry/CitizenshipFacet/nc:PersonCitizenshipFIPS10-4Code	The FIPS citizenship country code for this watchlist entry.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:PassportFacet/nc:Passport/nc:IdentificationJurisdictionFIPS10-4Code	The FIPS passport country of issue country code for this watchlist entry's passport.
/wl:WatchlistDesignation/wl:WatchlistEntry/wl:PassportFacet/nc:Passport/nc:IdentificationID	The identifier of the passport for this watchlist entry.
/wl:WatchlistDesignation/wl:Identity@act:designatedActionCode	Type of designated action (add, modify, delete, or no change) for the identity as a whole.
/wl:WatchlistDesignation/ta:Identity/*	An identity in the watchlist designation.
/wl:WatchlistDesignation/wl:IdentityReference@s:ref	If the identity is referenced instead of included, this references the identity id.
/wl:WatchlistDesignation/wl:IdentityReference@act:designatedActionCode	If the identity is referenced instead of included, this determines the type of designation (add, modify, delete, or no change) for the referenced identity as a whole.
/wl:WatchlistDesignation/wl:PersonReference@s:ref	If the person is referenced instead of included, this references the person id.
/wl:WatchlistDesignation/wl:PersonReference@act:designatedActionCode	If the person is referenced instead of included, this determines the type of designation (add, modify, delete, or no change) for the referenced person as a

Element/Attribute	Description
	whole.

2.1.3 Person

A *WatchlistPersonDesignation* element encompasses a set of biometrics associated with the person and a set of *WatchlistDesignations* detailing identity level analysis and biographic information. This allows identities to be grouped together into the individual person that is using them and associating the biometric information with all identities.

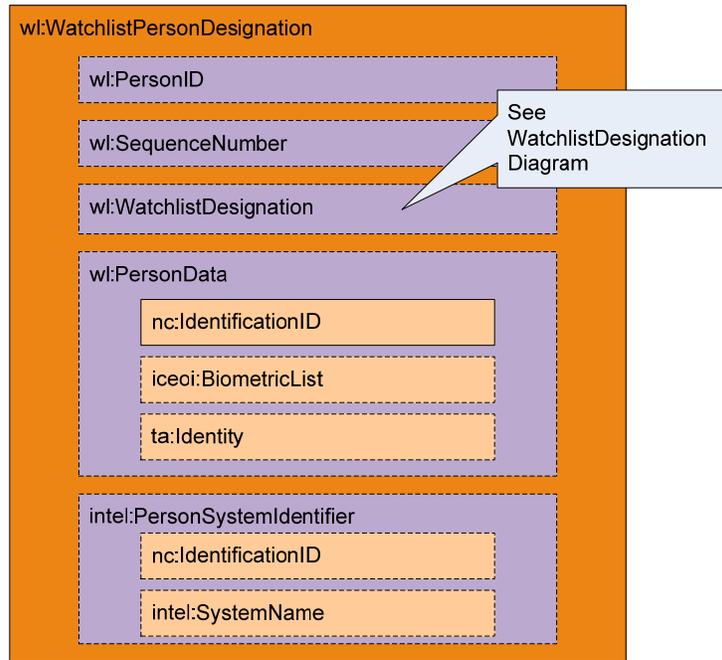


Figure 7: WatchlistPersonDesignation Structure

2.1.4 Watchlist Person Designation Elements and Attributes

The abstractions illustrated in Figure 5 establish the context for the attributes, elements and associated descriptions listed in this table.

Element/Attribute	Description
/wl:WatchlistPersonDesignation@ism:classification	A simple type in which a name token is restricted to the US, non-US, and joint classification portion mark abbreviations from the CAPCO Register.
/wl:WatchlistPersonDesignation@ism:ownerProducer	ISO 3166-1 trigraph(s) of the owner or producer country(ies) and/or CAPCO-specified tetragraphs of international organizations. Either (a) a single trigraph or tetragraph or (b) a space-delimited list of trigraphs followed by tetragraphs. Trigraphs must be in alphabetical order and tetragraphs must be in alphabetical order.
/wl:WatchlistPersonDesignation/wl:PersonID	The unique identifier for the person which may have multiple biographic and biometric identities associated with it.
/wl:WatchlistPersonDesignation/wl:SequenceNumber	The sequence number associated with changes to the person to ensure correct ordering of modifications.
/wl:WatchlistPersonDesignation/wl:WatchlistDesignation/*	<i>See WatchlistDesignation section.</i>
/wl:WatchlistPersonDesignation/wl:PersonData@sid	XML ID such that other elements in a document can reference the person data element.
/wl:WatchlistPersonDesignation/wl:PersonData/nc:IdentificationID	Identifier for the person.
/wl:WatchlistPersonDesignation/wl:PersonData/ic:BiometricList	<i>See TWPDES 3.0 Biometric Data and Minor TWPDES Core Changes IEPD.</i>
/wl:WatchlistPersonDesignation/wl:PersonData/ta:	An identity of a person in the watchlist designation.

Element/Attribute	Description
Identity/*	
/wl:WatchlistPersonDesignation/intel:PersonSystemIdentifier/nc:IdentificationID	An external system identifier associated with this person.
/wl:WatchlistPersonDesignation/intel:PersonSystemIdentifier/intel:SystemName	The system that the external system identifier came from.

2.1.5 TWPDES-LEXS Watchlist Designation Request Message

A TWPDES Watchlist Designation request message can be conveyed using the Logical Entity eXchange Specifications (LEXS) Publish and Discovery (LEXS PD) framework (see *TWPDES 3.0 Message Transaction Specification (MTS) IEPD* for a description of the general structure of a TWPDES-LEXS message).

The TWPDES-LEXS message for a TWPDES Watchlist Designation request has a LEXS *DataItemPackage* that can share base level watchlist data with any LEXS-enabled system. The package contains a “payload-aware” Digest and a “nondigest-aware” *StructuredPayload*. This approach adds the ability to share data with a broader community without requiring the existing systems to change. As shown in Figure 8 below, the *DataItemPackage* contains a *PackageMetadata*, a *Digest*, and a *StructuredPayload*.

Each *EntityPerson* object in the Digest is either a duplicate of the *WatchlistEntry* from the *StructuredPayload*, or a duplicate of the part of the TWPDES identity (*ta:Identity*) that is not in any of the watchlist entries and can be represented in the *Digest* (e.g. eye color, hair color, etc.). All of these *EntityPerson* objects have the same value of *Metadata/SourceIDText* (representing the identification number of a person) and *Metadata/LogicalIDText* (representing the identification number of an identity) to indicate that they are for the same person and the same identity.

These *EntityPerson* objects are also linked to their equivalent parts in the *StructuredPayload* by the *SameAsPayloadAssociation* objects. So a data consumer can follow these links to the payload to obtain additional information not in the Digest (e.g. watchlist disposition or biometric data, etc.).

Section 2.1.5.1 contains a complete list of elements and attributes and their definition used in the TWPDES-LEXS Watchlist Designation *DataItemPackage*. Section 2.1.5.2 contains an example of a TWPDES-LEXS Watchlist Designation request message.

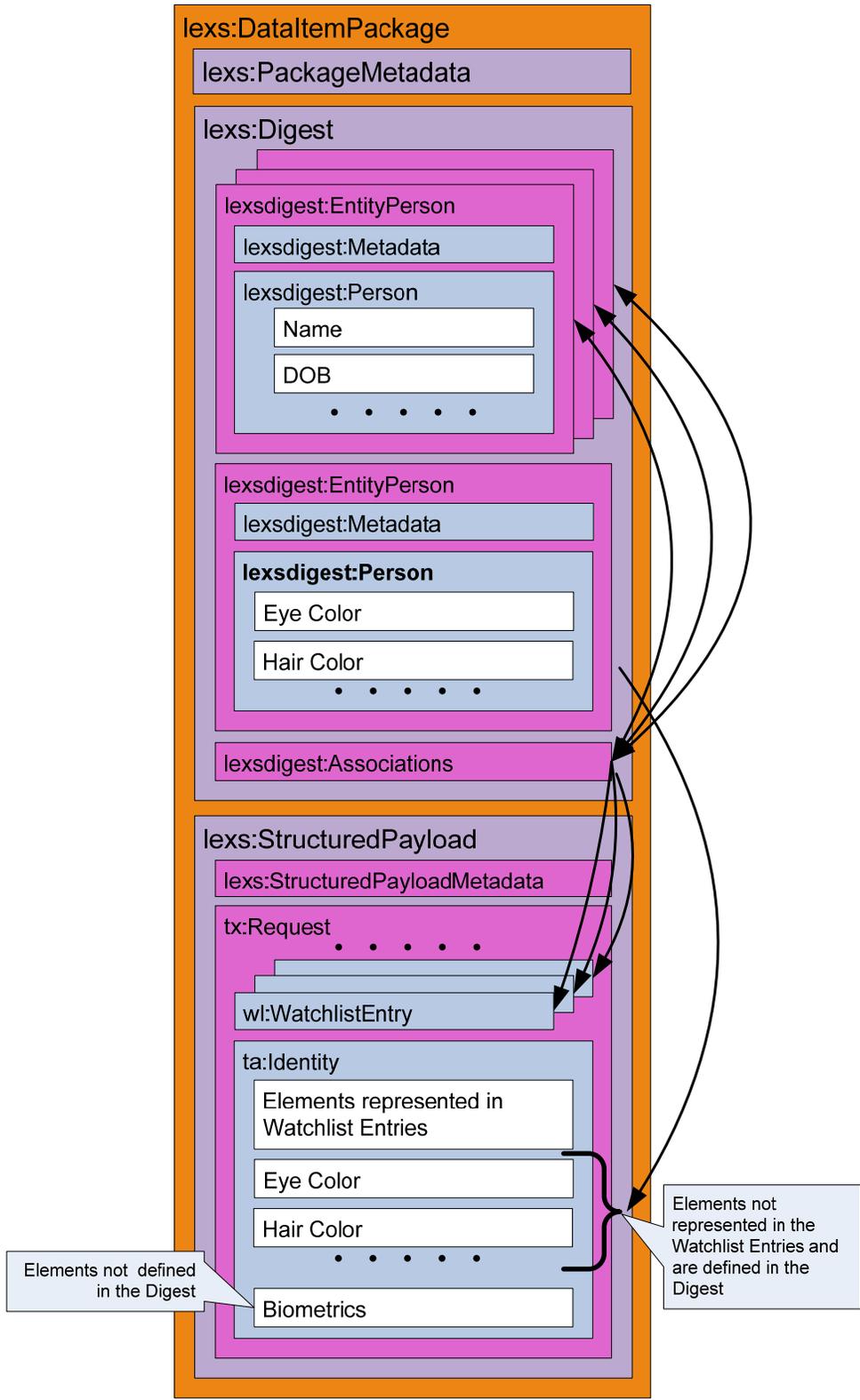


Figure 8: TWPDES-LEXS Watchlist Designation

2.1.5.1 DataitemPackage Elements and Attributes

Element/Attribute	Description
lexs:PackageMetadata/ lexs:DataItemID	wl:WatchlistPersonDesignation/PersonID or wl:WatchlistDesignation/PersonID
lexs:PackageMetadata/ lexs:DataItemReferenceID	wl:WatchlistPersonDesignation/ SequenceNumber or wl:WatchlistDesignation/ SequenceNumber
lexs:PackageMetadata/ lexs:DataItemStatus	wl:WatchlistPersonDesignation@designatedActionCode
lexs:PackageMetadata/ lexs:DataOwnerMetadata/ lexs:DataOwnerIdentifier/ lexs:ORI	eb:Messaging/eb:UserMessage/eb:PartyInfo/eb:From/eb:PartyId
lexs:PackageMetadata/ lexs:DataOwnerMetadata/ lexs:DataOwnerIdentifier/ nc:OrganizationName	eb:Messaging/eb:UserMessage/eb:PartyInfo/eb:From/eb:PartyId
lexs:PackageMetadata/ lexs:DisseminationCriteria	tx:RequestList/tx:Request@ism:classification, "U" translates to "White"
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Metadata/ lexsdigest:LogicalIDText	wl:WatchlistDesignation/nc:IdentificationID
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Metadata/ nc:SourceIDText	wl:WatchlistDesignation/wl:PersonID
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonAlternateName/ nc:PersonGivenName	wl:WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Variant wl:WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:GivenName
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonAlternateName/ nc:PersonSurName	wl:WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Variant wl:WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:Surname
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonAlternateName/	wl:WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Variant

Element/Attribute	Description
nc:PersonFullName	wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:Full Name
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonBirthDate/ nc:Date	wl: WatchlistPersonDesignation/ta:Identity/iceoi:PhysicalDescriptionList/iceoi:PhysicalDescription/iceoi:DateOfBirth/iceoi:Year, iceoi:Month and iceoi:Day
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonPassportIdentification/ nc:IdentificationID	wl: WatchlistPersonDesignation/ta:Identity/iceoi:IdentificationList/iceoi:Identification/iceoi:Identifier wl: WatchlistPersonDesignation/ta:Identity/iceoi:IdentificationList/iceoi:Identification/iceoi:IdentifierType="PassportNumber"
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonPassportIdentification/ nc:IdentificationJurisdictionFIPS10-4Code	wl: WatchlistPersonDesignation/ta:Identity/iceoi:IdentificationList/iceoi:Identification/iceoi:IssueCountry/iceoi:FIPS10-4Code wl: WatchlistPersonDesignation/ta:Identity/iceoi:IdentificationList/iceoi:Identification/iceoi:IdentifierType="PassportNumber"
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonCitizenshipFIPS10-4Code	wl: WatchlistPersonDesignation/ta:Identity/iceoi:CitizenshipList/iceoi:Citizenship/iceoi:Country/iceoi:FIPS10-4Code
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonName/ nc:PersonGivenName	wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Original" wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:GivenName
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonName/ nc:PersonSurName	wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Original" wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:Surname
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonName/ nc:PersonFullName	wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/@Form="Original" wl: WatchlistPersonDesignation/ta:Identity/iceoi:NameList/iceoi:Name/iceoi:FullName
lexs:Digest/ lexsdigest:EntityPerson/	wl: WatchlistPersonDesignation/ta:Identity/iceoi:PhysicalDescriptionList/iceoi:PhysicalDescription/iceoi:EyeColor

Element/Attribute	Description
lexsdigest:Person/ nc:PersonEyeColorText	
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonHairColorText	wl:WatchlistPersonDesignation/ta:Identity/iceoi:PhysicalDescriptionList/iceoi:PhysicalDescription/iceoi:HairColor
lexs:Digest/ lexsdigest:EntityPerson/ lexsdigest:Person/ nc:PersonSexCode	wl:WatchlistPersonDesignation/ta:Identity/iceoi:PhysicalDescriptionList/iceoi:PhysicalDescription/iceoi:Gender
lexs:Digest/ lexsdigest:Associations/ lexslib:SameAsPayloadAssociation/ lexslib:ObjectReference	Reference of the element in the <i>Digest</i> to be associated with an element in the <i>StructuredPayload</i> .
lexs:Digest/ lexsdigest:Associations/ lexslib:SameAsPayloadAssociation/ lexslib:PayloadObjectReference	Reference of the element in the <i>StructuredPayload</i> to be associated with an element in the <i>Digest</i> .
lexs:Digest/ lexsdigest:Associations/ lexslib:SameAsPayloadAssociation/ lexslib:PayloadReference	Reference of <i>StructuredPayload</i> that has the element to be linked..
lexs:StructuredPayload/ lexs:StructuredPayloadMetadata/ lexs:CommunityURI	The namespace for the structured payload. For example, "http://twpdes.gov/twpdes/watchlisting/2.0"
lexs:StructuredPayload/ lexs:StructuredPayloadMetadata/ lexs:CommunityVersion	The version of the TWPDES message. For example, "TWPDES 3.0"

2.1.5.2 TWPDES-LEXS Watchlist Designation Sample Message Content

```
<?xml version="1.0" encoding="UTF-8"?>
<lexs:DataItemPackage>
  <lexs:PackageMetadata>
```

```

<lexs:DataItemID>PersonID_for_JS</lexs:DataItemID>
<lexs:DataItemReferenceID>1</lexs:DataItemReferenceID>
<lexs:DataItemStatus>New</lexs:DataItemStatus>
<lexs:DataOwnerMetadata>
  <lexs:DataOwnerIdentifier>
    <lexs:ORI>Watchlisting_Agency</lexs:ORI>
    <nc:OrganizationName>Watchlisting_Agency</nc:OrganizationName>
    <lexs:SystemID/>
  </lexs:DataOwnerIdentifier>
  <lexs:DataOwnerContact>
    <nc:PersonSurName/>
  </lexs:DataOwnerContact>
</lexs:DataOwnerMetadata>
<lexs:DisseminationCriteria>white</lexs:DisseminationCriteria>
</lexs:PackageMetadata>
<lexs:Digest>
  <lexsdigest:EntityPerson s:id="DWLE_1">
    <lexsdigest:Metadata s:id="PersonIDLink01">
      <nc:SourceIDText>PersonID_for_JS</nc:SourceIDText>
      <lexsdigest:LogicalIDText>2009433</lexsdigest:LogicalIDText>
    </lexsdigest:Metadata>
    <lexsdigest:Person s:metadata="PersonIDLink01">
      <nc:PersonAlternateName s:id="DID201011">
        <nc:PersonGivenName>James</nc:PersonGivenName>
        <nc:PersonSurName>Smith</nc:PersonSurName>
        <nc:PersonFullName>James Smith</nc:PersonFullName>
      </nc:PersonAlternateName>
      <nc:PersonBirthDate s:id="DID101010">
        <nc:Date>1962-12-14</nc:Date>
      </nc:PersonBirthDate>
      <nc:PersonPassportIdentification s:id="DID301011">
        <nc:IdentificationID>19929222</nc:IdentificationID>
        <nc:IdentificationJurisdictionFIPS10-
4Code>US</nc:IdentificationJurisdictionFIPS10-4Code>
      </nc:PersonPassportIdentification>
    </lexsdigest:Person>
  </lexsdigest:EntityPerson>
  .....
  <lexsdigest:EntityPerson s:id="DWLID001">
    <lexsdigest:Metadata s:id="PersonIDLink05">

```

```

        <nc:SourceIDText>PersonID_for_JS</nc:SourceIDText>
        <lexsdigest:LogicalIDText>2009433</lexsdigest:LogicalIDText>
    </lexsdigest:Metadata>
    <lexsdigest:Person s:metadata="PersonIDLink05">
        <nc:PersonEyeColorText>Blue</nc:PersonEyeColorText>
        <nc:PersonHairColorText>Black</nc:PersonHairColorText>
        <nc:PersonSexCode>M</nc:PersonSexCode>
    </lexsdigest:Person>
</lexsdigest:EntityPerson>
<lexsdigest:Associations>
    <lexslib:SameAsPayloadAssociation>
        <lexslib:ObjectReference s:ref="DWLE_1"/>
        <lexslib:PayloadObjectReference lexslib:ref="WLE_1"/>
        <lexslib:PayloadReference s:ref="Payload1"/>
    </lexslib:SameAsPayloadAssociation>
    .....
    <lexslib:SameAsPayloadAssociation>
        <lexslib:ObjectReference s:ref="DID201011"/>
        <lexslib:PayloadObjectReference lexslib:ref="ID201011"/>
        <lexslib:PayloadReference s:ref="Payload1"/>
    </lexslib:SameAsPayloadAssociation>
    .....
    <lexslib:SameAsPayloadAssociation>
        <lexslib:ObjectReference s:ref="DWLID001"/>
        <lexslib:PayloadObjectReference lexslib:ref="WLID001"/>
        <lexslib:PayloadReference s:ref="Payload1"/>
    </lexslib:SameAsPayloadAssociation>
</lexsdigest:Associations>
</lexs:Digest>
<lexs:StructuredPayload s:id="Payload1">
    <lexs:StructuredPayloadMetadata>
        <lexs:CommunityURI>http://twpdes.gov/twpdes/watchlisting/2.0</lexs:CommunityURI>
        <lexs:CommunityVersion>TWPDES 3.0</lexs:CommunityVersion>
    </lexs:StructuredPayloadMetadata>
    <tx:Request ism:ownerProducer="USA" ism:classification="U" s:id="IDREQ190"
xmlns:ism="urn:us:gov:ic:ism:v2" xmlns:tx="http://twpdes.gov/transaction/1.1">
        <tx:RequestID>190</tx:RequestID>
        <wl:WatchlistDesignation s:id="WLD_1" xmlns:ta="http://twpdes.gov/twpdes/twpdes-
adaptor/3.0" ism:ownerProducer="USA" ism:classification="U"
xmlns:wl="http://twpdes.gov/twpdes/watchlisting/2.0" xmlns:act="http://twpdes.gov/twpdes/Action/1.0"

```

```

xmlns:ism="urn:us:gov:ic:ism:v2" xmlns:intel="http://niem.gov/niem/domains/intelligence/2.0"
xmlns:s="http://niem.gov/niem/structures/2.0" xmlns:iceoi="urn:us:gov:ic:iceoi"
xmlns:xlink=http://www.w3.org/TR/xlink>
  <nc:IdentificationID>2009433</nc:IdentificationID>
  <PersonID>PersonID_for_JS</PersonID>
  <wl:SequenceNumber>1</wl:SequenceNumber>
  .....
  <wl:WatchlistDisposition>
    <wl:WatchlistName>Screening Agency 3 Watchlist</wl:WatchlistName>
    <wl:WatchlistPostedIndicator>true</wl:WatchlistPostedIndicator>
  </wl:WatchlistDisposition>
  <nc:PersonSexCode>M</nc:PersonSexCode>
  <wl:WatchlistEntry s:id="WLE_1" act:designatedActionCode="Add">
    <nc:IdentificationID>1</nc:IdentificationID>
    <wl:NameFacet s:ref="ID201011">
      <nc:PersonName>
        <nc:PersonGivenName
nc:formCode="Variant">James</nc:PersonGivenName>
          <nc:PersonSurName nc:formCode="Variant">Smith</nc:PersonSurName>
        </nc:PersonName>
      </wl:NameFacet>
      <wl:DateOfBirthFacet s:ref="ID101010">
        <nc:PersonBirthDate>
          <nc:Date>1962-12-14</nc:Date>
          <nc:DateAccuracyCode>Exact</nc:DateAccuracyCode>
        </nc:PersonBirthDate>
      </wl:DateOfBirthFacet>
      <wl:PassportFacet s:ref="ID301011">
        <nc:Passport>
          <nc:PassportNumberIdentification>
            <nc:IdentificationID>19929222</nc:IdentificationID>
          </nc:PassportNumberIdentification>
          <nc:PersonCitizenshipFIPS10-4Code>US</nc:PersonCitizenshipFIPS10-
4Code>
        </nc:Passport>
      </wl:PassportFacet>
    </wl:WatchlistEntry>
    .....
  <ta:Identity act:designatedActionCode="Add" s:id="WLID001">
    <iceoi:CitizenshipList>

```

```

        <iceoi:Citizenship s:id="ID301010">
            <iceoi:Country>
                <iceoi:FIPS10-4Code>UZ</iceoi:FIPS10-4Code>
            </iceoi:Country>
        </iceoi:Citizenship>
    </iceoi:CitizenshipList>
    .....
    <iceoi:NameList>
        <iceoi:Name s:id="ID201011">
            <iceoi:FullName Form="Variant">Smith, James</iceoi:FullName>
            <iceoi:GivenName Form="Variant">James</iceoi:GivenName>
            <iceoi:Surname Form="Variant">Smith</iceoi:Surname>
        </iceoi:Name>
        .....
    </iceoi:NameList>
    <iceoi:PhysicalDescriptionList>
        <iceoi:PhysicalDescription s:id="ID101012">
            <iceoi:DateOfBirth DateAccuracyIndicator="Circa">
                <iceoi:Year>1962</iceoi:Year>
                <iceoi:Month>12</iceoi:Month>
            </iceoi:DateOfBirth>
            <iceoi:EyeColor>Blue</iceoi:EyeColor>
            <iceoi:Gender>Male</iceoi:Gender>
            <iceoi:HairColor>Black</iceoi:HairColor>
        </iceoi:PhysicalDescription>
        .....
    </iceoi:PhysicalDescriptionList>
    </ta:Identity>
    </wl:WatchlistDesignation>
    </tx:Request>
    </lexs:StructuredPayload>
</lexs:DataItemPackage>

```

2.2 Watchlist Nomination

A watchlist nomination is sent by an intelligence agency to request a person/identity to be added/updated/deleted from a terrorist watchlist. This is an intelligence view of analysis, biometric and biographic data.

2.2.1 Identity

A *WatchlistNomination* encompasses information about a single identity. This can include biometric data which is associated only with the specified identity. If there is biometric data associated with multiple identities, use the *WatchlistPersonNomination*.

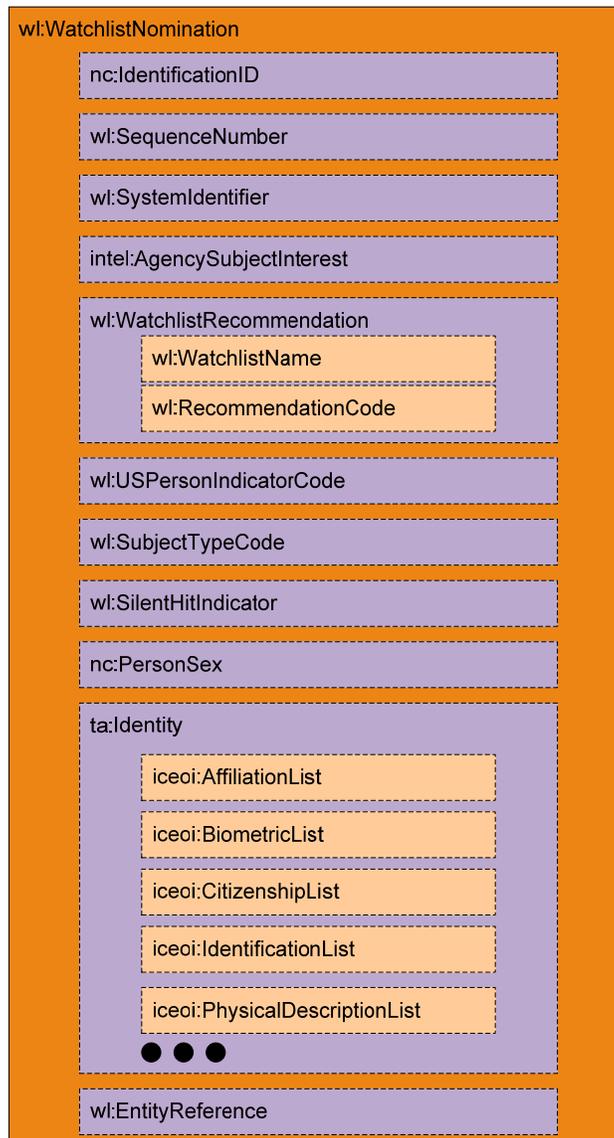


Figure 9: WatchlistNomination Structure

2.2.2 Watchlist Nomination Elements and Attributes

The abstractions illustrated in Figure 5 establish the context for the attributes, elements and associated descriptions listed in this table.

Element/Attribute	Description
/wl:WatchlistNomination@ism:classification	A simple type in which a name token is restricted to the US, non-US, and joint classification portion mark abbreviations from the CAPCO Register.
/wl:WatchlistNomination@ism:ownerProducer	ISO 3166-1 trigraph(s) of the owner or producer country(ies) and/or CAPCO-specified tetragraphs of international organizations. Either (a) a single trigraph or tetragraph or (b) a space-delimited list of trigraphs followed by tetragraphs. Trigraphs must be in alphabetical order and tetragraphs must be in alphabetical order.
/wl:WatchlistNomination/nc:IdentificationID	The unique identifier for the identity.
/wl:WatchlistNomination/wl:SequenceNumber	The sequence number associated with changes to the identity to ensure correct ordering of modifications.
/wl:WatchlistNomination/intel:SystemIdentifier/nc:IdentificationID	An external system identifier associated with this identity.
/wl:WatchlistNomination/intel:SystemIdentifier/intel:SystemName	The system that the external system identifier came from.
/wl:WatchlistNomination/intel:AgencySubjectInterests/intel:AgencyName	A government organization that has specified an interest in this person, or has issued a warning or handling instructions regarding this person.
/wl:WatchlistNomination/intel:AgencySubjectInterests/intel:AgencyInterestCategory/intel:SubjectCategoryCode	Details that describe a general category or classification of persons by the reason they are of interest to intelligence.
/wl:WatchlistNomination/intel:AgencySubjectInterests/intel:AgencySubjectHandling/intel:AgencySubj	An action for the designated agency to take on contact with the person.

Element/Attribute	Description
ectHandlingFBICode	
/wl:WatchlistNomination/intel:AgencySubjectInter es/intel:SubjectReasonOnListText	The reason why the person has been added to a terrorist watch list by a government organization.
/wl:WatchlistNomination/intel:AgencySubjectInter es/intel:SubjectCautionInformation/intel:SubjectC autionInformationDescriptionText	A description of cautions about a person's potential for dangerous behavior when contacted.
/wl:WatchlistNomination/wl:WatchlistRecommen dation/wl:WatchlistNamw	The name of the screening agency's watchlist.
/wl:WatchlistNomination/wl:WatchlistRecommen dation/wl:RecommendationCode	Indicates whether or not the identity is recommended by the originating agency for posting to the specified watchlist.
/wl:WatchlistNomination/wl:USPersonIndicatorCo de	This indicator designates whether or not the person is considered to be a United States citizen or permanent resident alien, or an imposter holding US papers (e.g., passport), who is involved in terrorist activities.
/wl:WatchlistNomination/wl:SubjectTypeCode	A categorization of the subject (identity) of the message. For example, the person has an open domestic or international case against them.
/wl:WatchlistNomination/wl:SilentHitIndicator	Denotes if the identity should be handled as a Silent Hit.
/wl:WatchlistNomination/nc:PersonSexCode	The gender of the person.
/wl:WatchlistNomination/ta:Identity @act:designatedActionCode	Type of nomination (add, modify, delete, or no change) for the identity as a whole.
/wl:WatchlistNominationtal:Identity/*	An identity in the watchlist nomination.
/wl:WatchlistNomination/wl:IdentityReference@s:	If the identity is referenced instead of included, this references the identity id.

Element/Attribute	Description
ref	
/wl:WatchlistNomination/wl:IdentityReference@act:designatedActionCode	If the identity is referenced instead of included, this determines the type of nomination (add, modify, delete, or no change) for the referenced identity as a whole.
/wl:WatchlistNomination/wl:PersonReference@:s:ref	If the person is referenced instead of included, this references the person id.
/wl:WatchlistNomination/wl:PersonReference@act:designatedActionCode	If the person is referenced instead of included, this determines the type of Nomination (add, modify, delete, or no change) for the referenced person as a whole.

2.2.3 Person

A *WatchlistPersonNomination* element encompasses a set of biometrics associated with the person and a set of *WatchlistNominations* detailing identity level analysis and biographic information. This allows identities to be grouped together into the individual person that is using them and associating the biometric information with all identities.

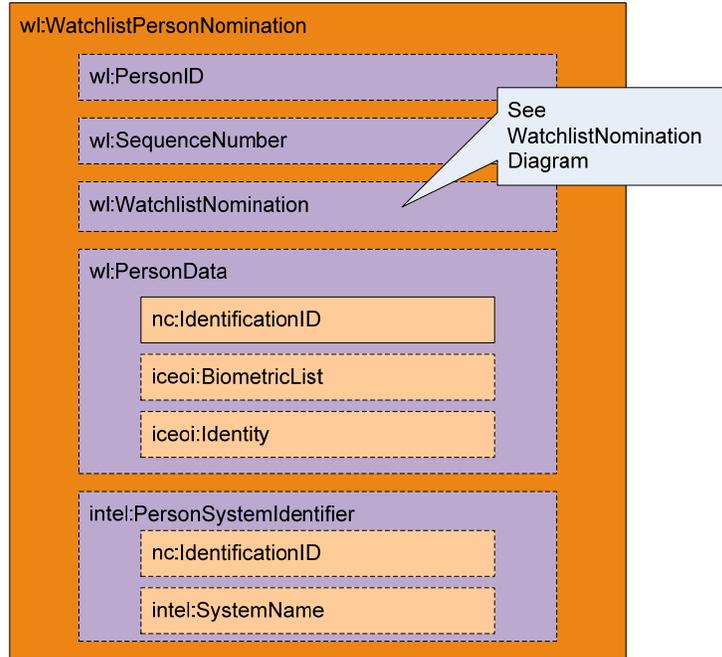


Figure 10: WatchlistPersonNomination Structure

2.2.4 Watchlist Person Nomination Elements and Attributes

The abstractions illustrated in Figure 5 establish the context for the attributes, elements and associated descriptions listed in this table.

Element/Attribute	Description
/wl:WatchlistPersonNomination@ism:classification	A simple type in which a name token is restricted to the US, non-US, and joint classification portion mark abbreviations from the CAPCO Register.
/wl:WatchlistPersonNomination@ism:ownerProducer	ISO 3166-1 trigraph(s) of the owner or producer country(ies) and/or CAPCO-specified tetragraphs of international organizations. Either (a) a single trigraph or tetragraph or (b) a space-delimited list of trigraphs followed by tetragraphs. Trigraphs must be in alphabetical order and tetragraphs must be in alphabetical order.
/wl:WatchlistPersonNomination/wl:PersonID	The unique identifier for the person which may have multiple biographic and biometric identities associated with it.
/wl:WatchlistPersonNomination/wl:SequenceNumber	The sequence number associated with changes to the person to ensure correct ordering of modifications.
/wl:WatchlistPersonNomination/wl:WatchlistNomination/*	<i>See WatchlistNomination section.</i>
/wl:WatchlistPersonNomination/wl:PersonData@:id	XML ID such that other elements in a document can reference the person data element.
/wl:WatchlistPersonNomination/wl:PersonData/nc:IdentificationID	Identifier for the person.
/wl:WatchlistPersonNomination/wl:PersonData/iceoi:BiometricList	<i>See TWPDES 3.0 Biometric Data and Minor TWPDES Core Changes IEPD.</i>
/wl:WatchlistPersonNomination/wl:PersonData/ice	An identity of a person in the watchlist nomination.

Element/Attribute	Description
oi:Identity/*	
/wl:WatchlistPersonNomination/intel:PersonSystemIdentifier/nc:IdentificationID	An external system identifier associated with this person.
/wl:WatchlistPersonNomination/intel:PersonSystemIdentifier/intel:SystemName	The system that the external system identifier came from.

2.3 Person Level Usage Scenarios

The person level schemas are flexible, allowing watchlist entities to either reference or contain independent TWPDES person objects. TWPDES 1.2a used a container approach while 3.0 added a reference approach to support person level biometric data. If there is no requirement for person level biometric data, either approach is valid for an exchange.

2.3.1 Container Approach

Figure 11 shows identity data included within a *WatchlistDesignation* element. This “container” approach was used in TWPDES 1.2a and is useful if there is only one identity for a person. This allows the XML structure to explicitly show the association from the designation to the identity through ownership. This is generally easier to implement since all the data is hierarchical. When multiple identities are used by a person and there is shared biometric data, the “reference” approach detailed in section 2.3.2 should be used.

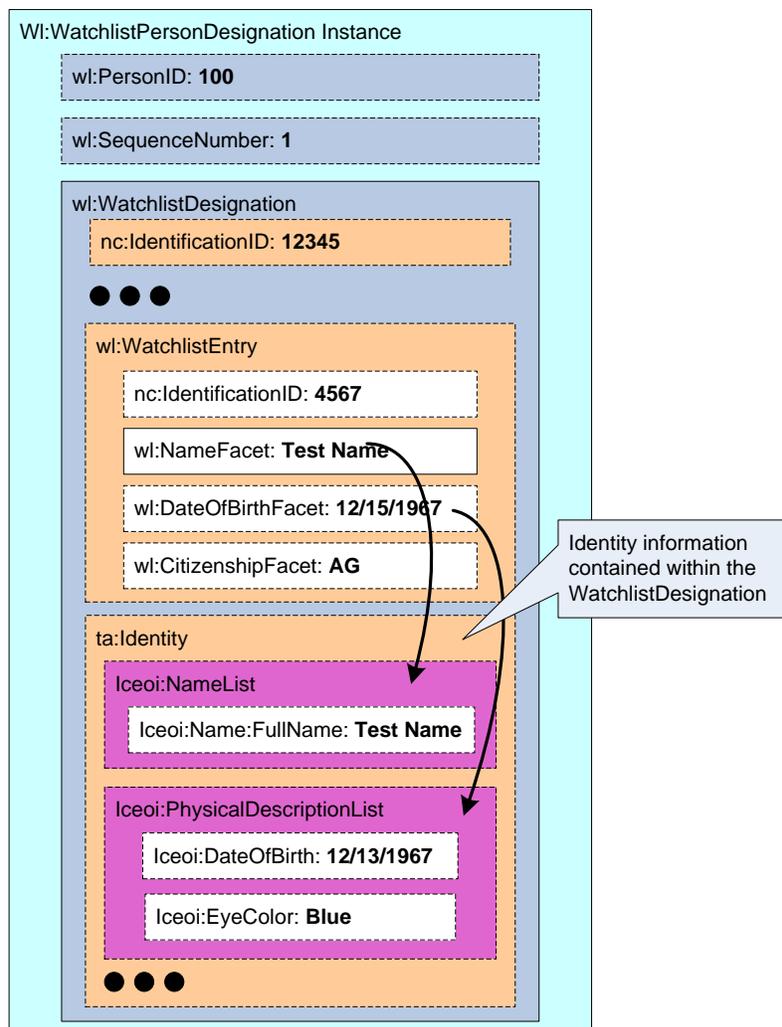


Figure 11: Identity Data Contained in Designation

2.3.2 Reference Approach

Figure 12 shows identity data being referenced by a watchlist designation. This approach is helpful when there are multiple identities associated with a person, especially when there is biometric data. Since biometric data is associated with the physical person (not an assumed identity) the biometric data need not be repeated for each identity. Given the size of many of the biometric modalities, this will result in a significant reduction in message size.

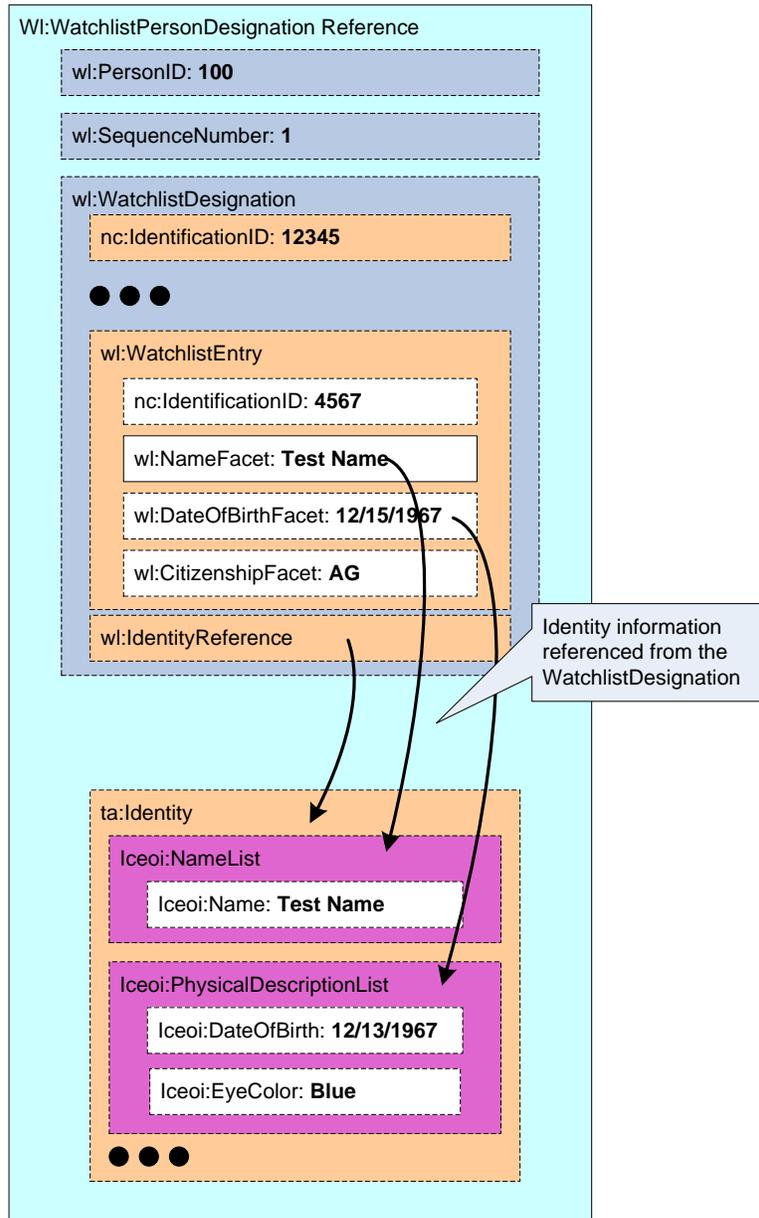


Figure 12: Identity Data Referenced From Designation

2.3.3 Sample Message Content

```
<?xml version="1.0" encoding="UTF-8"?>
<wl:WatchlistDesignation s:id="WLD_1">
  <nc:IdentificationID>22390932</nc:IdentificationID>
  <wl:SequenceNumber>1</wl:SequenceNumber>
  <intel:SystemIdentifier>
    <nc:IdentificationID>T90433483</nc:IdentificationID>
    <intel:SystemName>SYSTEM1</intel:SystemName>
  </intel:SystemIdentifier>
  <intel:SystemIdentifier>
    <nc:IdentificationID>232232</nc:IdentificationID>
    <intel:SystemName>AliasGroupID</intel:SystemName>
  </intel:SystemIdentifier>
  <intel:AgencySubjectInterest>
    <intel:AgencyName>IntelProducer1</intel:AgencyName>
    <intel:AgencyInterestCategory>
      <intel:SubjectCategoryCode>Surveyor</intel:SubjectCategoryCode>
    </intel:AgencyInterestCategory>
  </intel:AgencySubjectInterest>
  <wl:WatchlistDisposition>
    <wl:WatchlistName>WATCHLIST1</wl:WatchlistName>
    <wl:WatchlistPostedIndicator>true</wl:WatchlistPostedIndicator>
  </wl:WatchlistDisposition>
  <wl:WatchlistDisposition>
    <wl:WatchlistName> WATCHLIST2</wl:WatchlistName>
    <wl:WatchlistPostedIndicator>>false</wl:WatchlistPostedIndicator>
  </wl:WatchlistDisposition>
  <wl:USPersonIndicatorCode>Yes</wl:USPersonIndicatorCode>
  <wl:SubjectTypeCode>InternationalTerrorist</wl:SubjectTypeCode>
  <nc:PersonSexCode>M</nc:PersonSexCode>
  <wl:WatchlistEntry s:id="WLE_4" act:designatedActionCode="Add">
    <nc:IdentificationID>4</nc:IdentificationID>
    <wl:NameFacet s:ref="ID201012">
      <nc:PersonName>
        <nc:PersonGivenName nc:formCode="Original">Jim</nc:PersonGivenName>
        <nc:PersonSurName nc:formCode="Original">Smith</nc:PersonSurName>
      </nc:PersonName>
    </wl:NameFacet>
  </wl:WatchlistEntry>
</wl:WatchlistDesignation>
```

```

        </nc:PersonName>
    </wl:NameFacet>
    <wl:DateOfBirthFacet s:ref="ID101012">
        <nc:PersonBirthDate>
            <nc:YearMonth>1962-12</nc:YearMonth>
            <nc:DateAccuracyCode>Circa</nc:DateAccuracyCode>
        </nc:PersonBirthDate>
    </wl:DateOfBirthFacet>
    <wl:CitizenshipFacet>
        <nc:PersonCitizenshipFIPS10-4Code>UZ</nc:PersonCitizenshipFIPS10-4Code>
    </wl:CitizenshipFacet>
</wl:WatchlistEntry>
<wl:WatchlistEntry s:id="WLE_1" act:designatedActionCode="Add">
    <nc:IdentificationID>1</nc:IdentificationID>
    <wl:NameFacet s:ref="ID201011">
        <nc:PersonName>
            <nc:PersonGivenName nc:formCode="Variant">James</nc:PersonGivenName>
            <nc:PersonSurName nc:formCode="Variant">Smith</nc:PersonSurName>
        </nc:PersonName>
    </wl:NameFacet>
    <wl:DateOfBirthFacet s:ref="ID101010">
        <nc:PersonBirthDate>
            <nc:Date>1962-12-14</nc:Date>
        </nc:PersonBirthDate>
    </wl:DateOfBirthFacet>
    <wl:PassportFacet>
        <nc:Passport>
            <nc:PassportNumberIdentification>
                <nc:IdentificationID>19929222</nc:IdentificationID>
                <nc:IdentificationJurisdictionFIPS10-4Code>US</nc:IdentificationJurisdictionFIPS10-4Code>
            </nc:PassportNumberIdentification>
        </nc:Passport>
    </wl:PassportFacet>
</wl:WatchlistEntry>
<wl:WatchlistEntry s:id="WLE_2" act:designatedActionCode="Add">
    <nc:IdentificationID>2</nc:IdentificationID>
    <wl:NameFacet s:ref="ID201011">
        <nc:PersonName>

```

```

                <nc:PersonGivenName nc:formCode="Variant">James</nc:PersonGivenName>
                <nc:PersonSurName nc:formCode="Variant">Smith</nc:PersonSurName>
            </nc:PersonName>
        </wl:NameFacet>
        <wl:DateOfBirthFacet s:ref="ID101011">
            <nc:PersonBirthDate>
                <nc:Date>1967-03-01</nc:Date>
                <nc:DateAccuracyCode>Exact</nc:DateAccuracyCode>
            </nc:PersonBirthDate>
        </wl:DateOfBirthFacet>
        <wl:CitizenshipFacet>
            <nc:PersonCitizenshipFIPS10-4Code>UZ</nc:PersonCitizenshipFIPS10-4Code>
        </wl:CitizenshipFacet>
    </wl:WatchlistEntry>
    <wl:WatchlistEntry s:id="WLE_3" act:designatedActionCode="Add">
        <nc:IdentificationID>3</nc:IdentificationID>
        <wl:NameFacet s:ref="ID201010">
            <nc:PersonName>
                <nc:PersonGivenName nc:formCode="Variant">James</nc:PersonGivenName>
                <nc:PersonSurName nc:formCode="Variant">Smythe</nc:PersonSurName>
            </nc:PersonName>
        </wl:NameFacet>
        <wl:DateOfBirthFacet s:ref="ID101011">
            <nc:PersonBirthDate>
                <nc:Date>1967-03-01</nc:Date>
                <nc:DateAccuracyCode>Exact</nc:DateAccuracyCode>
            </nc:PersonBirthDate>
        </wl:DateOfBirthFacet>
        <wl:CitizenshipFacet>
            <nc:PersonCitizenshipFIPS10-4Code>UZ</nc:PersonCitizenshipFIPS10-4Code>
        </wl:CitizenshipFacet>
    </wl:WatchlistEntry>
    <ta:Identity act:designatedActionCode="Add" lastUpdated="2008-03-17T07:29:37">
        <iceoi:BiometricList>
            <iceoi:NISTBiometricIdentification s:id="ID4001001">
                <nc:IdentificationID/>
                <itl:NISTBiometricInformationExchangePackage>
                    <itl:PackageInformationRecord>

```

```

<ansi-nist:RecordCategoryCode>01</ansi-nist:RecordCategoryCode>
<ansi-nist:Transaction>
  <ansi-nist:TransactionDate>
    <nc:Date>2008-03-17</nc:Date>
  </ansi-nist:TransactionDate>
  <ansi-nist:TransactionDestinationOrganization>
    <nc:OrganizationIdentification>
      <nc:IdentificationID>ScreeningAgencyIdentifier</nc:IdentificationID>
    </nc:OrganizationIdentification>
    <nc:OrganizationName>ScreeningAgencyName</nc:OrganizationName>
  </ansi-nist:TransactionDestinationOrganization>
  <ansi-nist:TransactionOriginatingOrganization>
    <nc:OrganizationIdentification>
      <nc:IdentificationID>WatchlistingAgencyIdentifier</nc:IdentificationID>
    </nc:OrganizationIdentification>
    <nc:OrganizationName>WatchlistingAgencyName</nc:OrganizationName>
  </ansi-nist:TransactionOriginatingOrganization>
  <ansi-nist:TransactionControlIdentification>
    <nc:IdentificationID>199919</nc:IdentificationID>
  </ansi-nist:TransactionControlIdentification>
  <ansi-nist:TransactionImageResolutionDetails>
    <ansi-nist:NativeScanningResolutionValue>00.00</ansi-nist:NativeScanningResolutionValue>
    <ansi-nist:NominalTransmittingResolutionValue>00.00</ansi-nist:NominalTransmittingResolutionValue>
  </ansi-nist:TransactionImageResolutionDetails>
  <ansi-nist:TransactionMajorVersionValue>04</ansi-nist:TransactionMajorVersionValue>
  <ansi-nist:TransactionMinorVersionValue>00</ansi-nist:TransactionMinorVersionValue>
  <ansi-nist:TransactionCategoryCode>MCS</ansi-nist:TransactionCategoryCode>
</ansi-nist:Transaction>
</itl:PackageInformationRecord>
<itl:PackageDescriptiveTextRecord>
  <ansi-nist:RecordCategoryCode>02</ansi-nist:RecordCategoryCode>
  <ansi-nist:ImageReferenceIdentification/>
  <itl:UserDefinedDescriptiveText>
    <itl:DomainDefinedDescriptiveText/>
  </itl:UserDefinedDescriptiveText>
</itl:PackageDescriptiveTextRecord>
<itl:PackageImageRecord>
  <ansi-nist:RecordCategoryCode>10</ansi-nist:RecordCategoryCode>

```

```
<ansi-nist:ImageReferenceIdentification>
  <nc:IdentificationID>01</nc:IdentificationID>
</ansi-nist:ImageReferenceIdentification>
<ansi-nist:FaceImage>
  <nc:BinaryBase64Object>
```

```
/9j/4AAQSkZJRgABAQEAYABgAAD/4QAWRXhpZgAASUkqAAgAAAAAAAAAAAD/2wBDAAgGBgcGBQgH
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3 Glossary

Acronym	Definition
CAPCO	Controlled Access Program Coordination Office
DNA	Deoxyribonucleic Acid
IEPD	Information Exchange Package Documentation
LEISP	Law Enforcement Information Sharing Program
LEXS	LEISP Exchange Specification (old); Logical Entity eXchange Specifications (new)
NIEM	National Information Exchange Model
TWPDES	Terrorist Watchlist Person Data Exchange Standard
USG	United States Government
WLS	Watchlist Specification
XML	Extensible Markup Language

4 References

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2. TWPDES 3.0 Biometric Data and Minor TWPDES Core Changes IEPD, December 2009.
3. TWPDES 3.0 Master Document, December 2009.
4. TWPDES 3.0 Message Transaction Specification (MTS) IEPD, December 2009.