



Defense Trade Controls Application System (D-Trade)

Specification for Creating and Submitting Batched Forms Electronically

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REVISION LOG

Revision Number	Date	Section	Description
DOS SSB-001 V1.0	15 September 2003	ALL	Initial Draft
DOS SSB-001 V1.1	1 October 2003	ALL	Draft Revision 1
DOS SSB-001 V1.2	08 March 2004	ALL	Draft Revision 2 Updated document title. Reorganized. Updated to include new specifications. Deleted discussion on SCP Transport. Added D-Trade Batch and Submission Package XML Schema. Added D-Trade Forms XML Schema.
DOS SSB-001 V1.3	19 May 2004	All Section 3.3.1 Section 3.5 Section 4.0 Section 5.0 Table 6-1 Appendix A Appendix B Appendix D Appendix E Appendix F	Change “D-Trade Batch and Submission Packages XML Schema” to “D-Trade Batch XML Schema” Corrected prefix references for “batch” and “submission”. Changed to “batch.” And “submission.” The recommended document type is searchable PDF Removed discussion of non-SSL. Added a brief discussion of the web service that was developed to return status. This is fully discussed in the <i>D-Trade Industry User Manual</i> . Added reference to Batch XML Schema to the Digital Signature Replaced with updated Batch XML Schema. Inserted Appendix B. Updated the XML Schema and Form fields mapping: Transaction ID, Defense Investigative Service Name, Address, City, State, Zipcode and Phone Number. Updated with a new sample. Moved Appendix to <i>D-Trade Industry User Manual</i>
DOS SSB-001 V1.4	01 March 2005	All	Removed references to the TAA and DS-2032.
		Sections 2.0, 3.0, and 6.0	Replaced URL TBD with available on D-Trade Information Center web page.

Revision Number	Date	Section	Description
		Attachment B	<p>Inserted latest D-Trade form schema that has the TAA and all corresponding TAA elements removed. Schem Changes are:</p> <ul style="list-style-type: none"> - Restricted values for UnitOfMeasureType - Removed TAAType - Removed the following type declarations that were no longer needed for the TAA or DSP5: <ul style="list-style-type: none"> - AgreementMediumDescriptionType - AgreementShortDescriptionType - ApplicantShortNameType - Base64 - CitizenShipType - ClassificationInformationDescriptionType - CommodityCategoryType - ContactMediumDescriptionType - DefineableArticlesDescriptionType - ITAR30NAExplanationType - OffsetDisclosureDescriptionType - ScopeDescriptionType - TAAApplicantStatementType - USGovernmentContractCodeType - ContactType - DSP5ApplicantStatementType - FacilityClearanceCodeType - WhereasClauseType - DeliveryLocation - DeliveryHoldForPickup - DSP5ApplicantStatementType - Official, Exception, and NotEmpowered - CountryCodeType - removed AE, UR, VA - Added the following items(includes the type of the item) to the DSP5: <ul style="list-style-type: none"> - HasSubsidiary , BooleanType - ApplicationRepresents, ApplicantRepresentsType - WasLicensedBlock3, BooleanType - WasLicensedOtherCountries, BooleanType - WasDeniedBlock3, BooleanType - WasReturnedWithoutAction, BooleanType - ForeignMilitarySale, BooleanType - ForeignMilitaryFinancing, BooleanType - GrantAidProgram, BooleanType - ForeignIntermediateConsigneeNone, BooleanType - ApplicantStatementCertification, ApplicantStatementCertificationType - ApplicantStatementCompliance, ApplicantStatementComplianceType - SourceCategoryType no longer includes Freight as an option - UnitOfMeasureType has an increased length of 25 - SourceType changed to have the CountryCode element added to it - Note: look at elements that have a minOccurs and a maxOccurs. Some of these have changed to comply with the electronic form version.

Revision Number	Date	Section	Description
		Attachment C	Renamed Attachment C to D-Trade XML Schema Element Description. It is a combination of the former Attachment B – D-Trade Batch XML Schema Element Description with Attachment C – D-Trade Forms XML Schema Element Description
		Attachment C	Complete update to attachment due to changes in Appendices A and B and to DSP-5 field rule changes.
		Attachment D	Added new Attachment D - Pick List Display Values and Corresponding Database Values. Removed from Attachment C.
		Attachment E	Provided a new sample batch file utilizing the new schemas.
DOS SSB-001 V1.5	31 March 2005	Attachment A	Updated Batch Submission Schema to add minOccurs="0" to exp:attachment for DSP5Submission element.
		Attachment D	In Alphabetized by Country Name listing of Country Codes, changed United Arab Emirates from "AE" to "TC"
DOS SSB-001 V1.6	18 April 2005	Attachment E	Replaced sample batch file example.
DOS SSB-001 V1.7	3 August 2005	Section 2.2	Took out reference to DTCTModAppSchema.xsd to replace with new common.schema.xsd and dsp5.schema.xsd
		Section 3.1.1.	Removed old section 3.1.1 on versioning
		Section 3.4	Removed reference to DTCTModAppSchema.xsd
		Section 3.4.1	Removed section on versioning
		Section 4.2	Added note about HTTP Headers
		Section 4.2	Added note about HTTP Headers
		Section 4.3	Added note about HTTP Headers
		Attachment B	New Common.xsd and dsp5.schema.xsd – old DTCTModAppSchema was split into these two files.
		Attachment CE	New DSP-5 Element definitions for the new version 2.01 of the form
		Attachment D	changed United Arab Emirates from "TC" to "AE"
		Attachemnt E	New Batch Example for the latest release of the 2.01 DSP-5 form.

Revision Number	Date	Section	Description
DOS SSB-001 V1.8	07 December 2005	Attachment D	Updated table to correct spelling and modify spacing of several commodities.
DOS SSB-001 V1.9	11 January 2006	1.1	Updated background to include the DSP-61 and DSP-73 forms as now being included in batch.
		2.2	Included the description of the two new form schemas for Attachment B.
		Attachment A	Updated dtcsubmissionpackage.xsd due to the new DSP-61 and DSP-73 forms.
		Attachment B	Update schemas for DSP-5, DSP-61, and DSP-73
		Attachment C	Old Attachment C was removed
		Attachment D	Attachment D is now the new Attachment C
		Attachment E	Attachment E is now Attachment D with a new sample batch that includes the new DSP-61 and DSP-73 forms
		Section 3.7	Added new section 3.7 about batch business rules
DOS SSB-001 V3.1	23 February 2006	Section 3.7.1 and 3.7.2	Updated DSP-5 rules for the typo in the APPLICATION_REPRESENTS_ERROR. Updated the typo for the DSP-73 COUNTRY_VALIDATION_ERROR descriptions. Updated the typo for the DSP-73 block 30 business rule.
DOS SSB-001 V3.2	15 March 2006	Section 3.7	Updated batch business rules for DSP-5 adding the rule for block 8d.
		Attachment B	Updated common, DSP-5, DSP-61, and DSP-73 schemas.

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1 OVERVIEW

This *Specification for Creating and Submitting Batched Forms Electronically* provides guidance on constructing and submitting batched submissions to the Defense Trade Controls Applications System (D-Trade) from a technical industry user's perspective.

1.1 Background

D-Trade is a web-based electronic export license application system that has the capability to acquire, validate, and process digitally signed forms and attachments in an operational environment.

D-Trade provides the means to compose an export license application and required supporting documentation. D-Trade incorporates the following electronic applications:

- Application for Permanent Export of Unclassified Defense Articles and Related Technical Data (DSP-5)
- Application/License for Temporary Import of Unclassified Defense Articles (DSP-61)
- Application/License for Temporary Export of Unclassified Defense Articles (DSP-73)

The submission of electric Technical Assistance Agreements (TAA) to D-Trade is temporarily suspended as of August 16, 2004. TAAs submitted to D-Trade prior to that date will continued to be processed by DDTC until final action is taken.

D-Trade includes the use of digital certificates for purposes of user identification, authentication and digital signature. D-Trade includes the ability to incorporate and associate supporting documentation in various formats (e.g., Adobe .pdf files, Microsoft Word documents, etc.), along with standard forms. D-Trade incorporates automated workflow capabilities for the execution of application review (e.g., automated case assignment, work list generation, automated workflow progression, electronic coversheet, etc.). D-Trade also incorporates interfaces to the Department of Defense (DoD) and Department of State networks for purposes of 'staffing out' applications.

1.2 Batch Submissions Overview

D-Trade supports a batch submission interface so that industry users can submit one or more license packages at one time utilizing data extracted from company "home-grown" or third party export licensing software. All forms¹ accepted by the D-Trade system can be included in the batch. This functionality is in addition to the capability of completing and submitting a single license package using the D-Trade electronic forms program and sending it via the Internet. The high-level format for batch submission is the format defined in the *SOAP Messages With Attachments* note on the World Wide Web

¹ Refer to the D-Trade *Industry User's Manual* for a complete listing of forms that can be accepted.

Consortium (W3C) website (<http://www.w3.org/TR/SOAP-attachments>). The reason for this choice is that *SOAP Messages with Attachments* defines a flexible format using Multipurpose Internet Mail Extensions (MIME) and the Simple Object Access Protocol (SOAP) that can accommodate any kind of electronic filing.

MIME is well supported by third party tools and is an accepted industry standard. MIME is documented by the Internet Engineering Task Force in several RFC's, including RFC 2045, *Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies*, (<http://www.ietf.org/rfc/rfc2045.txt>).

SOAP was chosen because it is also well accepted by industry and it is transport independent (i.e. it can be specified over different transport technologies without changing the fundamental format). SOAP is well supported by third party tools including the *SOAP with Attachments API for Java* (<http://java.sun.com/xml/soap/index.html>) which is implemented in Sun Microsystems' Java Web Services Developer Pack (<http://java.sun.com/webservices/webservicespack.html>).

1.3 Document Overview

The *Specification for Submitting Batched Forms Electronically* provides guidance on how to construct and submit batched submission into D-Trade.

The sections of the document are defined as follows:

- Section 1.0, Overview, provides the document scope, project background and general summary of the batch submissions;
- Section 2.0, References, lists the documents that are referenced by this document and other useful resources;
- Section 3.0, Batch Format Specification describes structure and requirements for creating the batch submission package that will be accepted by the D-Trade system;
- Section 4.0, Submitting Batch Submissions provides information on the transport mechanisms which will be used to submit batch submissions and how to submit a batch submission;
- Section 5.0, Tracking Batch Submissions describes how to track and retrieve the status of submitted batch and submission packages;
- Section 6.0, Matrix of Specifications Applicable to Each Batch Component lists the specifications, recommendations and schemas that application to each component of the batch format;
- Section 7.0, Design Rationale, presents important decisions made that shaped the development of the Batch Specification;
- Section 8.0, Trouble Shooting identifies some common problems and their fixes;

Attachment A, D-TRADE Batch XML Schema presents the XML schema applicable to batch, submission packages and digital signature;

Attachment B, D-TRADE Forms XML Schema presents the XML schema applicable to application license form (e.g., DSP-5);

Attachment C, D-TRADE XML Schema Element Descriptions, provides a description of each XML schema element for the batch package, submission package and application forms; and

Attachment D, D-TRADE Pick List Display Values and Corresponding Database Values.

Attachment E, Sample Batch Submission, provides an example of a batch submission.

2 REFERENCES

2.1 Referenced Documentation

The *Specification for Submitting Batched Forms Electronically* references the following documentation:

Industry Users Manual, Defense Trade Controls Applications System (D-Trade), Current version.

Canonical XML Version 1.0, W3C Recommendation 15 March 2001, World Wide Web Consortium, <http://www.w3.org/TR/2001/REC-xml-c14n-20010315>

Content-ID and Message-ID Uniform Resource Locators, RFC 2392, Internet Engineering Task Force, Network Working Group, August 1998 (<http://www.ietf.org/rfc/rfc2392.txt>)

Extensible Markup Language (XML) 1.0 (Third Edition), W3C Recommendation 04 February 2004, <http://www.w3.org/TR/2004/REC-xml-20040204>

Hypertext Transfer Protocol -- HTTP/1.1, RFC 2616, Internet Engineering Task Force, Network Working Group, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

Java Web Services Developer Pack, Sun Microsystems, <http://java.sun.com/webservices/webservicespack.html>

MIME (Multipurpose Internet Mail Extensions): Mechanisms for Specifying and Describing the Format of Internet Message Bodies, RFC 1341, World Wide Web Consortium, http://www.w3.org/Protocols/rfc1341/0_Abstract.html

Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies, RFC 2045, Internet Engineering Task Force, Network Working Group, November 1996 <http://www.ietf.org/rfc/rfc2045.txt>

Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types, RFC 2046, Internet Engineering Task Force, Network Working Group, November 1996, <http://www.ietf.org/rfc/rfc2046.txt>

MIME (Multipurpose Internet Mail Extensions) Part Three: Message Header Extensions for Non-ASCII Text, RFC 2047, Internet Engineering Task Force, Network Working Group, November 1996, <http://www.ietf.org/rfc/rfc2047.txt>

Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures, RFC 2048, Internet Engineering Task Force, Network Working Group, November 1996, <http://www.ietf.org/rfc/rfc2048.txt>

Multipurpose Internet Mail Extensions (MIME) Part Five: Conformance Criteria and Examples, RFC 2049, Internet Engineering Task Force, Network Working Group, November 1996, <http://www.ietf.org/rfc/rfc2049.txt>

Simple Object Access Protocol (SOAP) 1.1, W3C Note 8 May 2000, World Wide Web Consortium, <http://www.w3.org/TR/2000/NOTE-SOAP-20000508/>

SOAP Messages with Attachments, W3C Note 11 December 2000, World Wide Web Consortium, <http://www.w3.org/TR/SOAP-attachments>

SOAP with Attachments API for Java (SAAJ), Sun Microsystems, <http://java.sun.com/xml/saaaj/index.html>

SOAP Version 1.2 Part 1: Messaging Framework, W3C Recommendation 24 June 2003, World Wide Web Consortium, <http://www.w3.org/TR/SOAP/>

XML Media Types, RFC 3023, Internet Engineering Task Force, Network Working Group, January 2001, <http://www.ietf.org/rfc/rfc3023.txt>

XML-Signature Syntax and Processing, W3C Recommendation 12 February 2002, World Wide Web Consortium, <http://www.w3.org/TR/xmlsig-core/>

2.2 D-Trade XML Schemas

The following schemas are attachments to this document and are also available in electronic format on the D-Trade Information Center web page:

D-Trade Batch XML Schema (Attachment A) consisting of three files – dtcsubmissionpackage.xsd for batch package; submissionpackage.xsd for submission package and imported into the batch schema; and xmldsig-core-schema.xsd for digital signature and imported into the batch schema.

D-TRADE Forms XML Schema (Attachment B) consisting of two files – common.schema.xsd for general form element definitions across all forms; dsp5.schema.xsd for the DSP-5 form and its definition, dsp61.schema.xsd for the DSP-61 form, and dsp73.schema.xsd for the DSP-73 form.

2.3 Useful Free Tools and Other Resources

The following are a listing of additional free tools and resources:

Apache XML Security Project (<http://xml.apache.org/security/index.html>)

Trail: Security in Java 2 SDK 1.2, Sun Java™ Tutorial (<http://java.sun.com/docs/books/tutorial/security1.2/index.html>)

The Java Web Services Tutorial for JWSDP v1.3, Sun Microsystems (<http://java.sun.com/webservices/tutorial.html>)

3 BATCH FORMAT SPECIFICATION

A batch submission will contain one or more submission packages. The general approach of the batch submission format is to separate all submission contents into separate parts of an overall MIME multipart message structure defined in the *SOAP Messages with Attachments* specification. Figure 3-1 is a graphical depiction of the batch format. The two main motivations for this decision are that it is easier (1) to implement digital signatures and (2) to process the semantics in each form more cleanly with an XML parser if there is no extraneous information in the form.

The batch submission, also known as a MIME package, will start with a “dummy” SOAP message that is the Primary SOAP Document required by the *SOAP Messages with Attachments* specification. This will point to the “real” batch manifest XML document that refers to all of the submissions packages in the batch. Each submission package has an associated manifest XML document that points to all of the forms and attachments in that submission package (i.e. individual submission manifest). Each form (e.g., DSP-5) and attachment is a stand-alone document that does not directly refer to other attachments or other forms. All of the connecting information for the submission package is maintained in the individual submission package manifest document.

Digital signatures are represented as document subsets of the individual submission manifest and batch manifest documents. The digital signature follows the *XML Signature Syntax and Processing* W3C recommendation (<http://www.w3.org/TR/xmlsig-core/>). These signatures will contain the entire encoded X.509 certificate chain that was used in their creation. The signatures will also include a timestamp in Universal Coordinated Time (UTC) that references the time the signature generation process was initiated. All signature information will first be normalized with the XML canonicalization algorithm defined in the *Canonical XML Version 1.0* recommendation (<http://www.w3.org/TR/2001/REC-xml-c14n-20010315>) prior to signing. This will facilitate processing of the signature information with a standard XML parser. The SHA-1 hashing function will be used along with RSA 1024 bit key digital signatures. Digital signatures will be separately applied to (1) each individual submission package and (2) the batch as a whole. The signature for each submission package is calculated over the hash of the submission package manifest and the hashes of each form and attachment within the submission package. The signature over the batch is calculated over the hash of the batch manifest document and the hash of each submission package manifest document.

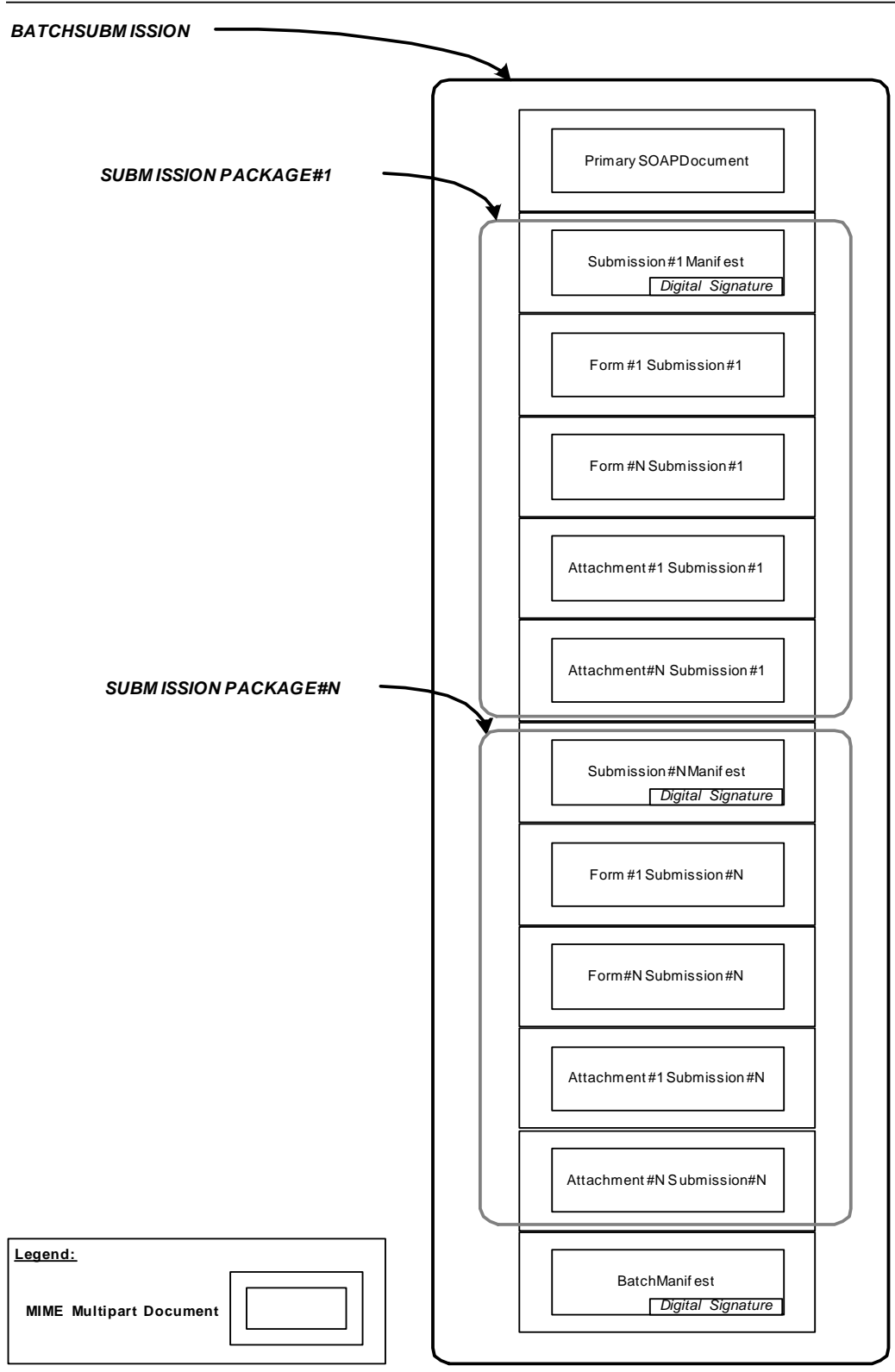


Figure 3-1. Batch Submission Format

The following subsections discuss in detail the requirements that must be followed when constructing the batched submission.

IMPORTANT NOTE: Failure to follow the following requirements will result in the batch submission being rejected.

3.1 Batch Submission Package Structure

The batch submission format will support one or more license submission packages. The batch submission format will use the *SOAP Message with Attachments* specification format. The first part of the batch will be the primary SOAP document that is a pointer to the real batch manifest. The primary SOAP document will contain a body that conforms to the D-Trade Batch XML schema (contained in Attachment A and in *dtcsubmissionpackage.xsd*). The content of the batch manifest is also an XML document that conforms to the D-Trade Batch XML Schema. The batch manifest follows the last submission package.

Attachment A contains the D-Trade Batch XML Schema. An electronic version of the schema (*dtcsubmissionpackage.xsd*) is available on the D-Trade Information Center web page. A description of each batch XML schema element is contained in Attachment C. Attachment D contains a sample batch submission package. The sample presented in Attachment D is abbreviated for a quick reference and is not complete.

3.1.1 Batch Identifier and Tracking

A batch identifier may be assigned to a batch submission by the submitter and is associated with the batch through the use of the <customerID> tag. The batch ID assigned by the submitter can be used to retrieve status information for the submissions contained within that batch.

3.2 License Application Submission Package Structure

Following the primary SOAP document will be each submission package. The submission package is the signed license application (e.g., DSP-5 form) and all associated attachments. The submission package begins with an individual submission manifest followed by all form(s) and attachment(s) in the submission. The contents of the individual submission manifests are XML documents that conform to the D-Trade Batch XML Schema (see Attachment A, Attachment C and in *dtcsubmissionpackage.xsd*).

Each form (e.g., DSP-5) is a stand-alone XML document that does not directly refer to attachments or other forms. The format for the structured forms is discussed in detail in Section 3.4.

Each attachment is a stand-alone document that does not directly refer to attachments or other forms within the submission package. The format for the attachments is further discussed in Section 3.5.

The D-Trade Batch XML Schema defines the types of forms (e.g., DSP-5) and attachments that can be associated with each submission type.

3.2.1 Submission Identifiers and Tracking

The TransactionID field in the DSP-5 form and the <customerID> tag in the submission manifest are intended to be unique identifiers within the submitter's system that can be used later to track the status of submissions.

3.3 MIME Multipart Document Structure

3.3.1 Identification of MIME Parts

The MIME specification requires that the "Content-ID" header be globally unique when it appears in a MIME message. The "Content-ID" will be used by the batch format as the target for URL references that refer to parts (i.e., MIME multipart document) within the overall batch MIME package. URLs will be of the form "cid:Content-ID" in order to refer to parts in the MIME document according to *Content-ID and Message-ID Uniform Resource Locators*, RFC 2392 (<http://www.ietf.org/rfc/rfc2392.txt>).

There are two special cases for "Content-ID" values. First, every individual submission manifest must be prefixed with '**submission.**'. Secondly, every batch manifest must be prefixed with '**batch.**'. For example, the "Content-ID" of an individual submission manifest might be 'submission.12345' or 'submission.submission#1'. The "Content-ID" of a batch manifest might be 'batch.manifest1'.

3.3.2 Metadata for Message Body Parts

The MIME "Content-Type" and "Content-Disposition" headers are used to supply metadata regarding each message body part. The "Content-Type" header provides basic information about the MIME type. The particular MIME type/subtype are defined in RFCs. The "Content-Disposition" header supplies additional information about the format of binary attachments that have a "Content-Type" of "application/octet-stream".

3.3.3 Transfer Encodings

Only certain transfer encodings, as specified in the "Content-Transfer-Encoding" MIME header, are permissible in a submission. The allowable encodings are "7bit", "8bit", "binary", and "base64".

3.4 Forms

The structured forms refer to the actual application forms such as the DSP-5 or TAA. The forms are XML documents and follow the D-Trade Forms XML schema presented in Attachment B. An electronic version of the schemas are available on the D-Trade Information Center web page. A description of each XML schema element is provided in Attachment C.

3.5 Attachments

Supporting documentation for each application (i.e., individual submission package) can be included in the batch submission. Identification of the attachments that can be associated with each submission type is defined in the D-Trade Batch XML Schema (Attachments A and C).

NOTE: The recommended type for attachments is searchable PDF. However, any file type can be submitted.

3.5.1 XML Document Attachments

All attachments that are XML documents, such as the structured forms (e.g., DSP-5 and TAA) that are part of a submission, must use a “Content-Type” of “application/xml”. The use of “application/xml”, as defined in *XML Media Types* (RFC 3023, <http://www.ietf.org/rfc/rfc3023.txt>) removes any requirement to use a canonical format for xml documents. Furthermore, it mandates that XML processors follow the process in section 4.3.3 of the *Extensible Markup Language (XML) 1.0 W3C Recommendation* (<http://www.w3.org/TR/2004/REC-xml-20040204>) for determining the character set used for the document as opposed to the rules that would be followed for a content type of “text”.

For XML attachments, the explicit use of a charset declaration in both the XML document itself and in the “charset” parameter of the “Content-Type” header is expected.

3.5.2 Binary Attachments

For binary attachments with a “Content-Type” of “application/octet-stream”, a “Content-Disposition” of “attachment” should be used with a “filename” parameter set to a suggested filename with the appropriate file extension. Table 3-1 lists some sample types of binary files and the correct file extension value to be associated with those files. The filename portion, before the extension, is purely informational and will be retained to provide useful metadata for submitters. The same filename can be used in multiple attachments to different submission packages within the batch.

Table 3-1. Example Attachment Types

Attachment Type	Content-Type Header	File Extension	Example Content-Disposition Header
Adobe® ² Portable Document Format (PDF)	application/octet-stream	.pdf	attachment; filename=attach1.pdf
Microsoft® Word document	application/octet-stream	.doc	attachment; filename=attach2.doc

² All registered trademarks are property of their respective owner(s).

It is also allowable to use the “name” parameter with the “Content-Type” header as defined in *MIME (Multipurpose Internet Mail Extensions): Mechanisms for Specifying and Describing the Format of Internet Message Bodies* (RFC 1341, http://www.w3.org/Protocols/rfc1341/0_Abstract.html) to specify the suggested filename and extension. The name parameter is only permitted to allow backward compatibility with tools that might be used by a submitter. Submitters should use the “Content-Disposition” header instead of the obsolete RFC 1341 name parameter.

3.6 Digital Signatures on Submission Message Parts

All digital signatures in a batch and individual submission are applied to the “Signature” element of a batch or individual submission manifest in accordance with the *XML-Signature Syntax and Processing* recommendation.

3.6.1 Reference to Forms and Attachments

Within the signature, the “Reference” elements must refer to MIME body parts of the individual submission that correspond to forms and attachments. There is also one self-reference to the manifest and one reference to the timestamp in each manifest. A SHA-1 hash value of each such MIME body part is included within the nested “DigestValue” of the Reference. Before the hash algorithm is applied to the body part, any transformation that was applied to the body part as indicated in the “Content-Transfer-Encoding” header is first reversed. The only allowable encoding is base 64. This was chosen since the 7bit, 8bit, and binary transfer encodings do not involve any transformation of the original content. If the “Content-Transfer-Encoding” header is set to base64 then the effect of the base 64 encoding is removed by reversing the base 64 transform. The hash value of each MIME body part reference included in the digital signature represents the SHA-1 hash of the stream of octets in the body of the MIME part, after reversing the transfer encoding, if necessary.

3.6.2 Date and Timestamp

A standard XML schema date and timestamp is defined in the D-Trade Batch XML Schema (in Attachment A). This date and timestamp must be included.

3.6.3 Transport Binding

The supported submission transport (https that is further discussed in Section 4.2) follow the canonicalization requirements specified in section 3.7.1 of the *Hypertext Transfer Protocol – HTTP/1.1* specification (<http://www.ietf.org/rfc/rfc2616.txt>). Briefly, the canonicalization requirements applied to the “text” content type as part of MIME RFC 2046 and RFC 2049 are removed but canonicalization requirements for all other content types are still enforced as specified in the RFCs defining each such subtype. For all practical purposes this means that there is no canonicalization that must be performed on the bodies of MIME parts as part of this specification. Hash values that are calculated for a MIME body part are calculated over the (possibly base 64 decoded) stream of octets included in the MIME part in the exact order that the octets appear. No canonicalization

or other transformation is done prior to calculating the hash, except for the decoding of base 64 encoded bodies. This specification is designed so that submissions can be digitally signed and the attachments stored separately from the signed manifest in order to provide flexibility to submitters that are utilizing internal information systems for tracking license applications. However, the hash used to sign these attachments must be calculated over the attachment as a stream of octets exactly as it will be fed to the submission package in the MIME body (except for base 64 encoding).

3.6.4 Certificate Information

The signing certificate and the associated certificate chain (the Certification Authority intermediate and root certificates used to manufacture the signing certificate) must appear in <X509Data> tags under a <KeyInfo> tag for each signature. The first <X509Data> tag must contain the signing certificate. The rest of the certificate chain can appear in any order. The data in each <X509Data> tag is the Base64 encoding of the DER-encoded version of a certificate in accordance with the *XML-Signature Syntax and Processing* recommendation.

3.7 Batch Business Rules

3.7.1 Business Rule Definitions

Business rule processing has now been added to batches to mimic online PureEdge form Submissions. All the business rules that have been incorporated into the PureEdge form that could not be enforced by the schema of the form data are now processed on the server against the form XML data once a batch is broken into individual submissions. The following tables define the XML business rules for each form (e.g. DSP-5 or DSP-61, etc.) that will be processed on the server.

Business Rules to add to Batch for DSP-5 PureEdge form

Table 3-2. DSP-5 Batch Business Rules

Block	Field(s)	Rule
1	Date Prepared	Can not be a future date.
3, 14	Country of Ultimate Destination	The countries entered in Block 3 as Countries of Ultimate Destination, must be entered in Block 14 as a Foreign End User.
5	Subsidiary Information	If Subsidiary checkbox is selected, Name, Attention, Address, City, State, ZIP Code, and Telephone # must be included.
6	Agency, Please Specify	If the Agency selected is "Other", then a response for the 'Please Specify' field must be completed.
8a	Application Represents:	If "ONLY the unshipped balance under license numbers" is selected, then an associated license number must be provided.

Table 3-2. DSP-5 Batch Business Rules

Block	Field(s)	Rule																																				
8b	Application has Related License Numbers	If selected, then a response to at least one of the following is required: was licensed to the country in block 3 of the first page under license numbers was licensed to other countries under license numbers was returned without action under voided license numbers was denied to the country in block 3 of the first page under voided license(s)																																				
8c	Application is in reference to an agreement	If selected, then the agreement number(s) must be provided.																																				
8d	Commodity is being financed under	At least one of the following must be selected Foreign Military Sale, Foreign Military Financing, and/or Grant Aid Program or else Not Applicable must only be selected.																																				
8d	Commodity is being financed under	If Foreign Military Sale, Foreign Military Financing, and/or Grant Aid Program are selected, then the corresponding case numbers must be provided.																																				
9	Quantity	Value must be greater than zero.																																				
10	Defense Article Type	If more than one country is selected in block 3, then the response to this field must be 'Technical Data'.																																				
11	Category, Sub, Commodity Code, DSP-83 is required	<p>If any of the following combinations of Category, Sub, and Commodity Code are selected, then the DSP-83 is required to be attached:</p> <table border="1" data-bbox="537 972 1523 1822"> <thead> <tr> <th data-bbox="537 972 716 1010">Category</th> <th data-bbox="716 972 1523 1010">Sub</th> </tr> </thead> <tbody> <tr> <td data-bbox="537 1010 716 1058">I</td> <td data-bbox="716 1010 1523 1058">a, b, c, d, e, g</td> </tr> <tr> <td data-bbox="537 1058 716 1106">II</td> <td data-bbox="716 1058 1523 1106">a, d, f</td> </tr> <tr> <td data-bbox="537 1106 716 1155">III</td> <td data-bbox="716 1106 1523 1155">a, d(1), d(2)</td> </tr> <tr> <td data-bbox="537 1155 716 1203">IV</td> <td data-bbox="716 1155 1523 1203">a, b, d, e, f, g</td> </tr> <tr> <td data-bbox="537 1203 716 1251">V</td> <td data-bbox="716 1203 1523 1251">a, b, e</td> </tr> <tr> <td data-bbox="537 1251 716 1299">VI</td> <td data-bbox="716 1251 1523 1299">a, c, e</td> </tr> <tr> <td data-bbox="537 1299 716 1348">VII</td> <td data-bbox="716 1299 1523 1348">a, b, d, e, f</td> </tr> <tr> <td data-bbox="537 1348 716 1396">VIII</td> <td data-bbox="716 1348 1523 1396">a, b, c, e, g</td> </tr> <tr> <td data-bbox="537 1396 716 1465">XI</td> <td data-bbox="716 1396 1523 1465">a(1), a(2), a(3)(i), a(3)(ii), a(3)(iii), a(3)(iv), a(3)(v), a(4), a(5), b</td> </tr> <tr> <td data-bbox="537 1465 716 1514">XII</td> <td data-bbox="716 1465 1523 1514">a, b, c, d</td> </tr> <tr> <td data-bbox="537 1514 716 1562">XIII</td> <td data-bbox="716 1514 1523 1562">j</td> </tr> <tr> <td data-bbox="537 1562 716 1610">XIV</td> <td data-bbox="716 1562 1523 1610">a, b, c, f</td> </tr> <tr> <td data-bbox="537 1610 716 1659">XV</td> <td data-bbox="716 1610 1523 1659">a</td> </tr> <tr> <td data-bbox="537 1659 716 1707">XVI</td> <td data-bbox="716 1659 1523 1707">a, b, c</td> </tr> <tr> <td data-bbox="537 1707 716 1755">XVII</td> <td data-bbox="716 1707 1523 1755">a</td> </tr> <tr> <td data-bbox="537 1755 716 1803">XVIII</td> <td data-bbox="716 1755 1523 1803">a, b</td> </tr> <tr> <td data-bbox="537 1803 716 1852">XX</td> <td data-bbox="716 1803 1523 1852">a, b</td> </tr> </tbody> </table>	Category	Sub	I	a, b, c, d, e, g	II	a, d, f	III	a, d(1), d(2)	IV	a, b, d, e, f, g	V	a, b, e	VI	a, c, e	VII	a, b, d, e, f	VIII	a, b, c, e, g	XI	a(1), a(2), a(3)(i), a(3)(ii), a(3)(iii), a(3)(iv), a(3)(v), a(4), a(5), b	XII	a, b, c, d	XIII	j	XIV	a, b, c, f	XV	a	XVI	a, b, c	XVII	a	XVIII	a, b	XX	a, b
Category	Sub																																					
I	a, b, c, d, e, g																																					
II	a, d, f																																					
III	a, d(1), d(2)																																					
IV	a, b, d, e, f, g																																					
V	a, b, e																																					
VI	a, c, e																																					
VII	a, b, d, e, f																																					
VIII	a, b, c, e, g																																					
XI	a(1), a(2), a(3)(i), a(3)(ii), a(3)(iii), a(3)(iv), a(3)(v), a(4), a(5), b																																					
XII	a, b, c, d																																					
XIII	j																																					
XIV	a, b, c, f																																					
XV	a																																					
XVI	a, b, c																																					
XVII	a																																					
XVIII	a, b																																					
XX	a, b																																					

Table 3-2. DSP-5 Batch Business Rules

Block	Field(s)	Rule
11	DSP-83 required, if not attached, state why	If DSP-83 is required, and will not be attached, a response to 'If SME, and DSP-83 is not attached, state why' is required.
11	Category	If the Category selected is either "I" or "II", then the following documents must be attached: Firearms and Ammunitions Import Permit Firearms and Ammunitions Letter of Explanation
11	Sub-Category	The values listed for Sub-Category are based on the Category selected. Refer to Appendix D in DTC Requirements.doc.
11	Commodity Code	The values listed for Commodity Code are based the values selected for Category and Sub-Category. Refer to Appendix D in DTC Requirements.doc.
12	Unit Price	Value must be greater than zero.
12	Line Item Total	Value must be greater than zero. This value is equal to the quantity multiplied by the unit price for the line item commodity.
13	Total Value	Value must be equal to the sum of all the Commodity totals.
2, 8a, 10	Registrant Code, Application Represents, Defense Article Type	If the Registrant Code in Block 2 does not start with "F" or "I", and the selection for Block 8a is "ONLY completely new shipment", and the Defense Article Type is "Hardware", then at least one of the following documents must be attached: Basic Ordering Agreement Contract Letter of Intent Purchase Order
15	Manufacturer	If "US" or "IQ" is chosen as the country then a response is required for the State and ZIP Code.
17	Source	If "US" or "IQ" is chosen as the country then a response is required for the State and ZIP Code.
18	None	If the value of the "None" field is 'on', or 'T', then no Foreign Intermediate Consignees can be entered.
22	CFR 126.13 Certification	If "I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy is attached." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request
22	CFR 126.13 Certification	If "I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above. Please see the attached letter for such certification." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request

Table 3-2. DSP-5 Batch Business Rules

Block	Field(s)	Rule
22	CFR 126.13 Certification	If "I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A letter of such certification and request for an exception to policy is attached." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request
22	Compliance with 22 CFR 130	If "The applicant or its vendors have paid, or offered or agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees, or commissions in amounts as specified in 22 CFR 130.9(a). Information required under 22 CFR 130.10 is attached." is selected, then the following document must be attached: Part 130 Report
22	Compliance with 22 CFR 130	If "I am not authorized by the applicant to certify the conditions of 22 CFR 130.9(a). Please see the attached for such certification." is selected, then the following document must be attached: Part 130 Report

Business Rules to add to Batch for DSP-61 PureEdge form

Table 3-3. DSP-61 Batch Business Rules

Block	Field(s)	Rule
1	Date Prepared	Cannot be a future date.
7	Agency, Please Specify	If the Agency selected is "Other", then a response for the 'Please Specify' field must be completed.
8	Subsidiary Information	If Subsidiary checkbox is selected, Name, Attention, Address, City, State, ZIP Code, and Telephone # must be included.
10A	Related License Block 3	If selected, then an associated license number(s) must be provided.
10B	Related License Other Countries	If selected, then an associated license number(s) must be provided.
10C	Related License was Denied	If selected, then an associated license number(s) must be provided.
10E	Related License Furtherance	If selected, then an associated license number(s) must be provided.
10F	Related License Support	If selected, then an associated license number(s) must be provided.

Table 3-3. DSP-61 Batch Business Rules

Block	Field(s)	Rule
11	Quantity	Value must be greater than zero.
12c	Intended Description	If "None" is selected, then description field is null, otherwise it's required.
14	Unit Price	Value must be greater than zero.
14	Line Item Total	Value must be greater than zero.
15	Total Value	Value must be equal to the sum of all the Commodity totals.
16	Country	The Country entered here must be the same as the Country entered in Block 3.
17	Unknown	If the value of the "ManufacturerUnknown" field is 'on', or 'T', then no Manufacturer of Commodity can be entered.
17	Unknown	If "Unknown" is selected, then the following document must be attached: Manufacturer Unknown Letter of Explanation
17	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
19	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
20	None	If the value of the "None" field is 'on', or 'T', then no Foreign Intermediate Consignees can be entered.
22	None	If the value of the "None" field is 'on', or 'T', then no Foreign Country of Ultimate Destination can be entered.
22	Country	The Country entered here must be the same as the Country entered in Block 5.
23	Specific Purpose Description	If the value of "Other (Provide Details)" is 'on' or 'T', then a response to the Description field must be entered, otherwise it's optional.
23a	Select all that apply	At least one of the three fields here, 'Overhaul/Repair', 'Modification/Upgrade', 'Other (Provide Details)', must have a value of 'T'.
23b		A value of 'T' must be included in only one of the following fields 'PurposeReturnBlock16', 'PurposeTransshipment', the other of the two fields has to be 'F'.
24	Country	The Country entered here must be the same as the Country entered in Block 5.
25	CFR 126.13 Certification	If "I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy is attached." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request
25	CFR 126.13 Certification	If "I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above. Please see the attached letter for such certification." is selected, then the following documents must be attached: 126.13 Eligibility Letter

Table 3-3. DSP-61 Batch Business Rules

Block	Field(s)	Rule
25	CFR 126.13 Certification	<p>If “I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A letter of such certification and request for an exception to policy is attached.” is selected, then the following documents must be attached:</p> <p>126.13 Eligibility Letter Transaction Exception Request</p>

**Business Rules to add to Batch for
DSP-73 PureEdge form**

Table 3-4. DSP-73 Batch Business Rules

Block	Field(s)	Rule
1	Date Prepared	Cannot be a future date.
4, 18	Specific Countries of Sojourn	The countries entered in Block 4 as Countries of Sojourn, must be entered in Block 18 as a Foreign Intermediate Consignee. However, if “None” is selected in Block 18, then this validation does not occur.
4, 20	Specific Countries of Sojourn	The countries entered in Block 4 as Countries of Sojourn, must be entered in Block 20 as a Temporary Foreign Consignee. However, if “None” is selected in Block 18, then this validation does not occur.
4, 22	Specific Countries of Sojourn	The countries entered in Block 4 as Countries of Sojourn, must be entered in Block 22 as a Temporary Foreign End User.
5	Subsidiary Information	If Subsidiary checkbox is selected, Name, Attention, Address, City, State, ZIP Code, and Telephone # must be included.
8	Probable Date of first exit from U.S.	Date value must be greater than the date in Block 1.
9	Probable Date of first entry into U.S.	Date value must be greater than the date in Block 8.
10b	Agency, Please Specify	If the Agency selected is “Other”, then a response for the ‘Please Specify’ field must be completed.
11A	Application Represents:	If “ONLY renewal of previously issued license number” is selected, then an associated license number must be provided. Only one can be provided.
11B	Application has Related License Numbers	If “was licensed to the country in block 4 of the first page under license numbers” is selected, then at least one associated license number is required.
11B	Application has Related License Numbers	If “was licensed to other countries under license numbers” is selected, then at least one associated license number is required.
11B	Application has Related License Numbers	If “was returned without action under voided license numbers” is selected, then at least one associated license number is required.
11B	Application has Related License Numbers	If “was denied to the country in block 4 of the first page under voided license(s)” is selected, then at least one associated license number is required.
12	Quantity	Value must be greater than zero.

Table 3-4. DSP-73 Batch Business Rules

Block	Field(s)	Rule
14	Category	If the Category selected is either "I" or "II", then the following documents must be attached: Firearms and Ammunitions Import Permit Firearms and Ammunitions Letter of Explanation
15	Unit Price	Value must be greater than zero.
12	Line Item Total	Value must be greater than zero and must be equal to the value of the Quantity element multiplied by the UnitPrice element.
16	Total Value	Value must be equal to the sum of all the Commodity totals.
17	Manufacturer of Commodity	If the value of the "Unknown" field is 'on', or 'T', then no Manufacturer of Commodity can be entered.
17	Unknown	If "Unknown" is selected, then the following document must be attached: Manufacturer Unknown Letter of Explanation
17	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
18	None	If the value of the "None" field is 'on', or 'T', then no Foreign Intermediate Consignees can be entered.
19	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
20	None	If the value of the "None" field is 'on', or 'T', then no Temporary Foreign Consignees can be entered.
24	Yes	If "Yes" is 'on' or 'T', then the required Aircraft/Vessel and Commander fields are required.
28	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
29	State and ZIP Code	If Country is "US" or "IQ" then the State and ZIP Code fields are required.
30	CFR 126.13 Certification	If "I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy is attached." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request
30	CFR 126.13 Certification	If "I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above. Please see the attached letter for such certification." is selected, then the following documents must be attached: 126.13 Eligibility Letter
30	CFR 126.13 Certification	If "I am not authorized by the applicant to certify the conditions of 22 CFR 126.13 as listed above. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A letter of such certification and request for an exception to policy is attached." is selected, then the following documents must be attached: 126.13 Eligibility Letter Transaction Exception Request

3.7.2 Business Rule Error Messages

If a form is Rejected due to the server side business rules processing error messages will appear on the external server when a user logs in and tracks status. The following tables outline the error types and their descriptions for batch form submissions.

Business Rules Errors for DSP-5 form

Table 3-5. DSP-5 Batch Business Rules Errors	
Error Type	Error Description
PREPARED_DATE_ERROR	Cannot be a future date with respect to the date in which the form is electronically signed or date in which application is submitted
COUNTRY_VALIDATION_ERROR	For each Country of Ultimate Destination identified in Block 3, there must be at least one Foreign End-User identified in Block 14.
SUBSIDIARY_VALIDATION_ERROR	If "HasSubsidiary" is "T" then the SubsidiaryName, SubsidiaryAttention, SubsidiaryStreetAddress, SubsidiaryCity, SubsidiaryStateCode, SubsidiaryPostalCode, SubsidiaryPhoneNumber fields must contain data otherwise they must contain no data
GOVERNMENT_PERSONNEL_AGENCY_VALIDATION_ERROR	OtherAgency is required only if "Agency" is 'Other'
APPLICATION_REPRESENTS_ERROR	AppUnshippedLicense field is required to contain data only if ApplicationRepresents contains the value "UnshippedBal"
WAS_LICENSED_BLOCK3_ERROR	RelatedLicenseBlock3 field is required to contain data only if WasLicensedBlock3 contains the value "T"
WAS_LICENSED_OTHER_COUNTRIES_ERROR	RelatedLicenseOther field is required to contain data only if WasLicensedOtherCountries contains the value "T"
WAS_DENIED_BLOCK3_ERROR	RelatedLicenseDenied field is required to contain data only if WasDeniedBlock3 contains the value "T"
WAS_RETURNED_WITHOUT_ACTION_ERROR	RelatedLicenseReturned field is required to contain data only if WasReturnedWithoutAction contains the value "T"

Table 3-5. DSP-5 Batch Business Rules Errors

Error Type	Error Description
FOREIGN_MILITARY_SALE_ERROR	FmsCase field is required to contain data only if ForeignMilitarySale contains the value "T"
FOREIGN_MILITARY_FINANCING_ERROR	FmfCase field is required to contain data only if ForeignMilitaryFinancing contains the value "T"
GRANT_AID_PROGRAM_ERROR	GapCase field is required to contain data only if GrantAidProgram contains the value "T"
QUANTITY_ERROR	The Quantity element in the Commodity element's value must be greater than zero
SME_VALIDATION_ERROR	A commodity is SME and a DSP-83 Attachment is required or a "F" in the DSP83Attached field and data in the DSP83Explanation field is required
DSP83_ATTACHED_ERROR	DSP83Explanation value must be a non-null response, if the response to "Will a DSP-83 be attached?" is 'No' (i.e., if DSP83Attached field has a value of 'F')
FIREARM_ATTACHMENT_ERROR	The Firearms and Ammunitions Required Documents have not been attached.
DEFENSE_ARTICLE_ERROR	If you have selected more than one country as the ultimate destination (i.e. multiple DestinationCountry elements), you will not be able to select "Hardware" as a response for DefenseArticle. "Technical Data" is the only response allowed. If hardware is being exported, a separate application is required for each country of ultimate destination.
USML_SUB_CATEGORY_VALIDATION_ERROR	There is an invalid USMLCategory and USMLSubCategory combination for a Commodity element. The USML, Part 121.1 in the ITAR, will assist you in identification of the category and sub-category for the commodity(ies) stated on your application.
COMMODITY_CODE_VALIDATION_ERROR	A valid Commodity Code for the USML Category and Sub Category combination is required.
MONETARY_VALUE_ERROR	The MonetaryValue element in the Commodity element's value must be greater than zero and must be equal to the value of the Quantity element multiplied by the UnitPrice element.
UNIT_PRICE_VALIDATION_ERROR	The UnitPrice element in the Commodity element's value must be greater than zero

Table 3-5. DSP-5 Batch Business Rules Errors

Error Type	Error Description
MONETARY_VALUE_ERROR	The MonetaryValue element in the Commodity element's value must be greater than zero and must be equal to the value of the Quantity element multiplied by the UnitPrice element.
TOTAL_MONETARY_VALUE_ERROR	Must equal the sum of all Commodity totals
FOREIGN_INTERMEDIATE_CONSIGNEE_NONE_ERROR	A ForeignIntermeidateConsignee element is required when the ForeignIntermediateConsigneeNone element is "F", otherwise no ForeignIntermediateConsignee elements are allowed.
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Manufacturer Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Source Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
AT_LEAST_ONE_SELECTED_ERROR	A value of 'T' must be included on one of the following fields PurposeProcurement, PurposeBrokering, PurposePriorApproval, PurposeOther
DSP5_VALIDATION_ERROR	If the ApplicantID field does not begin with "F" or "f" and the ApplicationRepresents field is "NewShipment" and a DefenseArticle is "Hardware" then one of the follow attachments is required: Basic Ordering Agreement, Contract, Purchase Order, or Letter of Intent
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "AuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_COMPLIANCE_ERROR	If the value of the ApplicantStatementCompliance element is "MeetReqPaid" then the Part 130 Report attachment is required

Table 3-5. DSP-5 Batch Business Rules Errors	
Error Type	Error Description
APPLICATION_COMPLIANCE_ERROR	If the value of the ApplicantStatementCompliance element is "NotAuthCert" then the Part 130 Report attachment is required
AT_LEAST_ONE_8D_SELECTED_ERROR	If the value of the CommodityFinancingNA element is "F" then at least one of the elements ForeignMilitarySale, ForeignMilitaryFinancing, or GrantAidProgram elements must have a value of "T", otherwise the CommodityFinancingNA must be "T" and the other three element values must be "F"

Business Rules Errors for DSP-61 form

Table 3-6. DSP-61 Batch Business Rules Errors	
Error Type	Error Description
PREPARED_DATE_ERROR	Cannot be a future date with respect to the date in which the form is electronically signed or date in which application is submitted
GOVERNMENT_PERSONNEL_AGENCY_VALIDATION_ERROR	OtherAgency is required only if "Agency" is 'Other'
SUBSIDIARY_VALIDATION_ERROR	If "HasSubsidiary" is "T" then the SubsidiaryName, SubsidiaryAttention, SubsidiaryStreetAddress, SubsidiaryCity, SubsidiaryStateCode, SubsidiaryPostalCode, SubsidiaryPhoneNumber fields must contain data otherwise they must contain no data
WAS_LICENSED_BLOCK3_ERROR	RelatedLicenseBlock3 field is required to contain data only if WasLicensedBlock3 contains the value "T"
WAS_LICENSED_OTHER_COUNTRIES_ERROR	RelatedLicenseOther field is required to contain data only if WasLicensedOtherCountries contains the value "T"
WAS_DENIED_BLOCK3_ERROR	RelatedLicenseDenied field is required to contain data only if WasDeniedBlock3 contains the value "T"
WAS_LICENSED_FURTHERANCE_ERROR	RelatedLicenseFurtheranceAgreement field is required to contain data only if FurtheranceAgreement contains the value "T"
WAS_LICENSED_SUPPORT_ERROR	RelatedLicenseSupportAgreement field is required to contain data only if SupportAgreement contains the value "T"
QUANTITY_ERROR	The Quantity element in the Commodity element's value must be greater than zero
INTENDED_DESCRIPTION_ERROR	A Description is required if NoneInteded has a value of "F".

Table 3-6. DSP-61 Batch Business Rules Errors

Error Type	Error Description
UNIT_PRICE_VALIDATION_ERROR	The UnitPrice element in the Commodity element's value must be greater than zero
MONETARY_VALUE_ERROR	The MonetaryValue element in the Commodity element's value must be greater than zero and must be equal to the value of the Quantity element multiplied by the UnitPrice element.
TOTAL_MONETARY_VALUE_ERROR	Must equal the sum of all Commodity totals
MANUFACTURER_UNKNOWN_ERROR	A Manufacturer element is required when the ManufacturerUnknown element is "F", otherwise no Manufacturer elements are allowed.
MANUFACTURER_UNKNOWN_ATTACHEMENT_ERROR	If the value of the ManufacturerUnknown element is "T" then the Manufacturer Unknown Letter of Explanation is required.
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Manufacturer Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Source Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
FOREIGN_INTERMEDIATE_CONSIGNEE_NONE_ERROR	A ForeignIntermeidateConsignee element is required when the ForeignIntermediateConsigneeNone element is "F", otherwise no ForeignIntermediateConsignee elements are allowed.
FOREIGN_DESTINATION_NONE_ERROR	A ForeignDestination element is required when the ForeignDestinationNone element is "F", otherwise no ForeignDestination elements are allowed.
AT_LEAST_ONE_SELECTED_ERROR	A value of 'T' must be included on one of the following fields PurposeOverhaul, PurposeUpgrade, PurposeOther
ONLY_ONE_SELECTED_ERROR	A value of 'T' must be included in only one of the following fields PurposeReturnBlock16, PurposeTransshipment, the other of the two fields has to be 'F'
SPECIFIC_PURPOSE_INCLUDED_ERROR	A SpecificPurposeDescription element is required when the PurposeOther element is "T", otherwise no SpecificPurposeDescription elements are allowed.
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "AuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
USML_SUB_CATEGORY_VALIDATION_ERROR	There is an invalid USMLCategory and USMLSubCategory combination for a Commodity element. The USML, Part 121.1 in the ITAR, will assist you in identification of the category and sub-category for the commodity(ies) stated on your application.
COMMODITY_CODE_VALIDATION_ERROR	A valid Commodity Code for the USML Category and Sub Category combination is required.

Table 3-6. DSP-61 Batch Business Rules Errors	
Error Type	Error Description
COUNTRY_VALIDATION_ERROR	For the Shipped Country identified in Block 3, the Foreign End-User identified in Block 16 must also have the same countryCode.
COUNTRY_VALIDATION_ERROR	For the Destination Country identified in Block 5, all Foreign Destinations identified in Block 22 must also have the same countryCode.
COUNTRY_VALIDATION_ERROR	For the Destination Country identified in Block 5, the Foreign Ultimate Destination identified in Block 24 must also have the same countryCode.

**Business Rules Errors for
DSP-73 form**

Table 3-7. DSP-73 Batch Business Rules Errors	
Error Type	Error Description
PREPARED_DATE_ERROR	Cannot be a future date with respect to the date in which the form is electronically signed or date in which application is submitted
COUNTRY_VALIDATION_ERROR	For each Country of Sojourn identified in Block 4, there must be at least one Foreign Intermediate Consignee identified in Block 18.
COUNTRY_VALIDATION_ERROR	For each Country of Sojourn identified in Block 4, there must be at least one Temporary Foreign Consignee identified in Block 20.
COUNTRY_VALIDATION_ERROR	For each Country of Sojourn identified in Block 4, there must be at least one Temporary Foreign End User identified in Block 22.
SUBSIDIARY_VALIDATION_ERROR	If "HasSubsidiary" is "T" then the SubsidiaryName, SubsidiaryAttention, SubsidiaryStreetAddress, SubsidiaryCity, SubsidiaryStateCode, SubsidiaryPostalCode, SubsidiaryPhoneNumber fields must contain data otherwise they must contain no data.
DATE_COMPARISON_ERROR	The ExitDate element must be after (greater than) the PreparedDate element.
DATE_COMPARISON_ERROR	The EntryDate element must be after (greater than) the ExitDate element.
GOVERNMENT_PERSONNEL_AGENCY_VALIDATION_ERROR	OtherAgency is required only if "Agency" is 'Other'
APPLICATION_REPRESENTS_ERROR	LicenseRenewal field is required to contain data only if ApplicationRepresents contains the value "Renewal"

Table 3-7. DSP-73 Batch Business Rules Errors

Error Type	Error Description
WAS_LICENSED_BLOCK4_ERROR	RelatedLicenseBlock4 field is required to contain data only if WasLicensedBlock4 contains the value "T"
WAS_LICENSED_OTHER_COUNTRIES_ERROR	RelatedLicenseOtherCountry field is required to contain data only if WasLicensedOtherCountry contains the value "T"
WAS_RETURNED_WITHOUT_ACTION_ERROR	RelatedLicenseReturnedWithoutAction field is required to contain data only if WasReturnedWithoutAction contains the value "T"
WAS_DENIED_ERROR	RelatedLicenseDenied field is required to contain data only if WasDenied contains the value "T"
QUANTITY_ERROR	The Quantity element in the Commodity element's value must be greater than zero
FIREARM_ATTACHMENT_ERROR	The Firearms and Ammunitions Required Documents have not been attached.
UNIT_PRICE_VALIDATION_ERROR	The UnitPrice element in the Commodity element's value must be greater than zero
MONETARY_VALUE_ERROR	The MonetaryValue element in the Commodity element's value must be greater than zero and must be equal to the value of the Quantity element multiplied by the UnitPrice element.
TOTAL_MONETARY_VALUE_ERROR	Must equal the sum of all Commodity totals
MANUFACTURER_UNKNOWN_ERROR	A Manufacturer element is required when the ManufacturerUnknown element is "F", otherwise no Manufacturer elements are allowed.
MANUFACTURER_UNKNOWN_ATTACHEMENT_ERROR	If the value of the ManufacturerUnknown element is "T" then the Manufacturer Unknown Letter of Explanation is required.
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Manufacturer Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
FOREIGN_INTERMEDIATE_CONSIGNEE_NONE_ERROR	A ForeignIntermeidateConsignee element is required when the ForeignIntermediateConsigneeNone element is "F", otherwise no ForeignIntermediateConsignee elements are allowed.
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Source Block, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
TEMPORARY_FOREIGN_CONSIGNEE_NONE_ERROR	A TemporaryForeignConsignee element is required when the TemporaryForeignIntermediateConsigneeNone element is "F", otherwise no ForeignIntermediateConsignee elements are allowed.

Table 3-7. DSP-73 Batch Business Rules Errors	
Error Type	Error Description
AIRCRAFT_CHECK_ERROR	An AircraftOrVesselInformation element is required when the AircraftCheck element is "F", otherwise no AircraftOrVesselInformation elements are allowed.
STATECODE_POSTALCODE_VALIDATION_ERROR	In the AircraftOrVesselInformation element, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
STATECODE_POSTALCODE_VALIDATION_ERROR	In the Commander element, StateCode and PostalCode are required if "CountryCode" is 'US' or 'IQ'
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "AuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthEligible" then the 126.13 Eligibility Letter Attachment is required
APPLICATION_CERTIFICATION_ERROR	If the value of the ApplicantStatementCertification element is "NotAuthNotEligible" then the 126.13 Eligibility Letter and Transaction Exception Request Attachments are required
USML_SUB_CATEGORY_VALIDATION_ERROR	There is an invalid USMLCategory and USMLSubCategory combination for a Commodity element. The USML, Part 121.1 in the ITAR, will assist you in identification of the category and sub-category for the commodity(ies) stated on your application.
COMMODITY_CODE_VALIDATION_ERROR	A valid Commodity Code for the USML Category and Sub Category combination is required.

4 SUBMITTING BATCH SUBMISSIONS

4.1 Getting Started

Before submitting a live or test batch submission, you must

- Obtain an General Services Administration (GSA) Access Certificates for Electronic Services (ACES) digital certificate;

- Register with the D-Trade System; and

- Be granted by your company's D-Trade System Super User the privilege to submit submissions.

Please refer to the Section 3, Getting Started in the D-Trade *Industry User's Manual* for information about gaining access to the D-Trade System, how to obtain an ACES digital certificate and registering with the D-Trade System.

4.2 Transport

Only the *https* transport is supported for batch submissions. The HTTPS transport makes use of SSL v.3, which includes public key-based authentication of both the client and the server. The client side of the communication must obtain and install an X.509 certificate i.e., an ACES digital certificate according to the current DTC procedures (see Section 3 of the D-Trade *Industry User's Manual*).

The only changes to the batch submission when used over the HTTPS transport are those changes specified in the SOAP 1.1 HTTP binding (<http://www.w3.org/TR/SOAP/>). These changes are

The addition of the SOAPAction HTTP header with a value of 'http://www.state.gov/export/forms/submission' and

The removal of the MIME-Version header (as required by HTTP).

The batch interface has been modified to no longer require the submitter of a batch to specify the MIME_Boundary in the 'Content-Type' HTTP header. This will now be inferred from the actual SOAP w/Attachments message.

The URL to be used for submitting batch submission is provided in Table 4-1 and is based on whether the target is the production system or the test system.

Table 4-1. URL's for Submitting Batched Submissions

Destination Site	URL
Production Site	https://pilot.pmdtc.org/DTC/ BatchServlet
SSL Test Site	https://www.test.pmdtc.org/DTC/ BatchServlet

4.3 Submitting Test Batch Submissions

This section will address submitting batch submissions to the test D-Trade System. Submitting test batch submissions will enable you to determine if the batch submission and individual submission packages have been constructed correctly.

IMPORTANT NOTES:

- To enter the secure test D-Trade System (i.e., the SSL test site), a user must have first registered themselves with the system (see Section 3.4, User Enrollment/Registration with the D-Trade System in the D-Trade *Industry User's Manual*). A user must possess an ACES digital certificate. Without the digital certificate, access to the System will be denied. See Sections 3.1 and 3.2 of the D-Trade *Industry User's Manual*, for information on obtaining an ACES digital certificate.**

2. **The individual submission packages submitted via batch submissions to either of the test sites will not be reviewed by DDTC license officers.**
3. **The batch interface has been modified to no longer require the submitter of a batch to specify the MIME_Boundary in the ‘Content-Type’ HTTP header. This will now be inferred from the actual SOAP w/Attachments message.**

Step 1.

Prepare a batch submission according to this specification

Step 2.

Send the contents of the submission to the D-Trade secure test system using the https transport via a POST command. The respective URLs are present in Table 4-1. This connection is a machine-to-machine web interface and no user interaction occurs during the transmission.

A SOAP reply message will be sent back over the transport indicating a successful or unsuccessful transfer. In addition, a unique batch identifier will be sent back. This batch identifier can be used to track the batch submission.

Please contact the PMDTC help desk to determine the results of acceptance processing on the test server.

4.3.1 Potential Errors

The following are potential errors and the corresponding system notifications a user may encounter during submitting a batch submission to the secure test site.

4.3.1.1 Problem with ACES Digital Certificate

The following table (Table 4-2) presents a list of error messages that may be presented if there is an issue with the user’s ACES digital certificate. During the sign-in process the ACES digital certificate is passed to the Certificate Arbitration Module (CAM). The CAM then accesses the appropriate Certificate Authority (i.e., DST) to determine the validity of the digital certificate. If there is an issue with the digital certificate or a problem accessing the Certificate Authority an error is presented.

Table 4-2. ACES Digital Certificate Errors

Error Message	Resolution
Your request failed because your certificate has been revoked.	Obtain a new ACES certificate and re-register.
Your request failed because your certificate has expired.	Obtain a new ACES certificate and re-register.
Your request failed because your certificate has been suspended.	Obtain a new ACES certificate and

Table 4-2. ACES Digital Certificate Errors

	re-register.
Your request failed because your certificate failed verification.	Obtain a new ACES certificate and re-register.
Your request failed because your certificate issuer is unknown.	Obtain a new ACES certificate and re-register.
Your request failed because the certificate you submitted is not valid for this system. (Unparsable)	Obtain a new ACES certificate and re-register.
Your request failed because there is an internal system error. Please try again later. (Busy)	Try again later.
Your request failed because there is an internal system error. Please try again later. (Timeout)	Try again later.
Your request failed because the certificate you submitted is not valid for this system. (Cert Unknown)	Obtain a new ACES certificate and re-register.
Your request failed because the certificate you submitted is not valid for this system. (Communications)	Obtain a new ACES certificate and re-register.
Your request failed because there is an internal system error. Please try again later. (CA Signature)	Try again later.
Your request failed because there is an internal system error. Please try again later. (CAM Error)	Try again later.

4.4 Submitting Live Batch Submissions

This section will address submitting batch submissions to the live D-Trade System.

IMPORTANT NOTES:

1. **To enter the test D-Trade System, a user must have first registered themselves with the system (see Section 3.4, User Enrollment/Registration with the D-Trade System in the D-Trade *Industry User's Manual*). A user must possess an ACES digital certificate. Without the digital certificate, access to the System will be denied. See Sections 3.1 and 3.2 of the D-Trade *Industry User's Manual*, for information on obtaining an ACES digital certificate.**
2. **DDTC License officers will review the individual submission packages that have been submitted via batch submissions to the live site and have not been rejected.**
3. **The batch interface has been modified to no longer require the submitter of a batch to specify the MIME_Boundary in the 'Content-Type' HTTP header. This will now be inferred from the actual SOAP w/Attachments message**

Step 1.

Prepare a batch submission according to this specification.

Step 2.

Send the contents of the submission to the D-Trade system using the https transport via a POST command. This is a machine-to-machine web interface and no user interaction occurs during the transmission.

A SOAP reply message will be sent back over the transport indicating a successful or unsuccessful transfer. In addition, a unique batch identifier will be sent back. This batch identifier can be used to track the batch submission.

4.4.1 Potential Errors

The following are potential errors and the corresponding system notifications a user may encounter during submitting a batch submission to the production site.

4.4.1.1 Problem with ACES Digital Certificate

Same as described in Section 4.3.1.1.

5 TRACKING BATCH SUBMISSIONS

The Track Submission Status web service must be used to retrieve the status of a batch submission. This offline web service is discussed in detail in Section 10, Tracking an Application and Batch Submission of the *D-Trade Industry User Manual*. The specification for this web service is included in the *D-Trade Industry User Manual*.

6 MATRIX OF SPECIFICATIONS APPLICABLE TO EACH BATCH COMPONENT

Table 6-1 outlines the specifications and recommendations that are followed by each component of the batch format.

Table 6-1. Batch Component Specification and Recommendations Followed

Component	Specification/Recommendation
Batch Submission (including the Primary SOAP Document, the Submission Manifest and Batch Manifest)	<p><i>SOAP Messages with Attachments</i>, W3C Note (http://www.w3.org/TR/SOAP-attachments)</p> <p><i>Simple Object Access Protocol (SOAP) 1.1</i>, W3C Note (http://www.w3.org/TR/2000/NOTE-SOAP-20000508/)</p> <p>D-Trade Batch XML Schema presented in <i>dtcsubmissionpackage.xsd</i> (Attachments A and C, and available on the D-Trade Information Center web page)</p>
Submission Package	<p>D-Trade Batch XML Schema presented in <i>submissionpackage.xsd</i> (Attachment A and C, and available on the D-Trade Information Center web page)</p>
MIME Multipart Document	<p><i>Content-ID and Message-ID Uniform Resource Locators</i> (RFC 2392 http://www.ietf.org/rfc/rfc2392.txt)</p> <p><i>MIME (Multipurpose Internet Mail Extensions): Mechanisms for Specifying and Describing the Format of Internet Message Bodies</i>, RFC 1341, http://www.w3.org/Protocols/rfc1341/0_Abstract.html</p> <p><i>Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies</i> (RFC 2045, http://www.ietf.org/rfc/rfc2045.txt)</p> <p><i>Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types</i> (RFC 2046, http://www.ietf.org/rfc/rfc2046.txt)</p> <p><i>MIME (Multipurpose Internet Mail Extensions) Part Three: Message Header Extensions for Non-ASCII Text</i> (RFC 2047, http://www.ietf.org/rfc/rfc2047.txt)</p> <p><i>Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures</i> (RFC 2048, http://www.ietf.org/rfc/rfc2048.txt)</p> <p><i>Multipurpose Internet Mail Extensions (MIME) Part Five: Conformance Criteria and Examples</i> (RFC 2049, http://www.ietf.org/rfc/rfc2049.txt)</p>
Form (e.g., DSP-5)	<p>D-Trade Forms XML Schema presented in <i>modappsschema.xsd</i> (Attachment B and C, and available on the D-Trade Information Center web page)</p>
Attachments	<p>D-Trade Batch and Submission XML Schema presented in <i>dtcsubmissionpackage.xsd</i> (Attachment A and B, and available on the D-Trade Information Center web page)</p>

Table 6-1. Batch Component Specification and Recommendations Followed

Component	Specification/Recommendation
Attachments – XML Documents	XML Media Types (RFC 3023, http://www.ietf.org/rfc/rfc3023.txt) Extensible Markup Language (XML) 1.0 W3C Recommendation http://www.w3.org/TR/2004/REC-xml-20040204)
Attachments – Binary Documents	<i>MIME (Multipurpose Internet Mail Extensions): Mechanisms for Specifying and Describing the Format of Internet Message Bodies</i> (RFC 1341, http://www.w3.org/Protocols/rfc1341/0_Abstract.html)
Digital Signature	D-Trade Batch XML Schema presented in <i>xmldsig-core-schema.xsd</i> (Attachments A, and available on the D-Trade Information Center web page) <i>XML Signature Syntax and Processing</i> Recommendation http://www.w3.org/TR/xmldsig-core/) <i>Canonical XML Version 1.0</i> Recommendation http://www.w3.org/TR/2001/REC-xml-c14n-20010315) <i>Hypertext Transfer Protocol -- HTTP/1.1</i> (RFC 2616, http://www.ietf.org/rfc/rfc2616.txt) <i>Multipurpose Internet Mail Extensions (MIME) Part Five: Conformance Criteria and Examples</i> (RFC 2049, http://www.ietf.org/rfc/rfc2049.txt)

7 DESIGN RATIONALE

The following are some important design rational that were applied:

The signed individual submission manifest appears before the license application documents (i.e., the license form and attachments) so that the canonicalization applied to the signed documents is known before the documents are encountered. This allows the processor to efficiently apply the transforms as part of parsing the structure.

The batch manifest appears at the end of all submission rather than at the beginning so that the creator of the package can apply the signature to the batch at the end of processing without having to pass through all of the submission again to calculate the hash of each submission package manifest. Having the batch manifest at the end facilitates the hashing of each submission package in a single pass.

The timestamps for the signature serve two purposes: 1) to give a rough estimate of how current the package is, and 2) to help defend against a replay attack where an unauthorized entity attempts to resubmit a previous batch that was observed by the attacker on the wire.

S/MIME (<http://www.ietf.org/rfc/rfc2311.txt>) was also considered for the application of digital signatures since it is an existing standard applicable to MIME. However, S/MIME is better suited to applications where a single signature is applied to a single MIME entity or block. It would be possible to extend this to include multiple pairs of signature and signed objects, but this would diverge from the S/MIME specification.

SOAP version 1.1 was used for this specification rather than SOAP 1.2 because at the time of this specification development, there is better tool support for SOAP 1.1 than there is for SOAP 1.2. In addition, the SOAP 1.2 Attachment Feature is currently only a framework and is not adequately specified to support interoperable implementations.

RFC 1341 MIME: Mechanisms for Specifying and Describing the Format of Internet Message Bodies was superceded by MIME RFCs 2045-2049. The convention for specifying suggested file names introduced by RFC 1341 is grand-fathered into this specification to allow for the use of tools that still use that naming convention.

8 TROUBLE SHOOTING

Table 8-1 presents some common problems that can occur and a discussion of the fix.

Table 8-1. Trouble Shooting Problem and Correspond Fix Discussion

Problem	Fix and Discussion
<p>D-Trade is not able to distinguish the MIME boundaries between some of my binary attachments.</p>	<p>MIME parts that have a transfer encoding value of “binary” may have bodies that consist of arbitrary binary data. However, the submitter must remember that section 5.1 of <i>Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types</i> (RFC 2046, http://www.ietf.org/rfc/rfc2046.txt) requires that the boundary delimiter “NOT” appear within any of the body parts. As specified in section 5.1.1 of RFC 2046, the boundary delimiter consists of a CRLF, followed by two dashes, followed by the boundary value, followed by optional linear white space, followed by a terminating CRLF or by two dashes for the final part. When processing the MIME multipart message, whenever the boundary delimiter appears, it will be considered to signify the beginning of a new MIME part. If the delimiter appears within the content of a part in violation of the specification, such as within a stream of arbitrary binary octets, then (1) the part will be corrupted, (2) the digital signature based on that part will be invalid, and (3) the submission will be rejected. A simple way to avoid these problems are to encode all binary data with the base64 transfer encoding, which is guaranteed to never contain the boundary delimiter, rather than using the binary transfer encoding.</p>

ATTACHMENT A

D-TRADE BATCH XML SCHEMA

The D-Trade Batch XML Schema is composed of the following three files:

dtcsubmissionpackage.xsd – contains the batch submission schema;

submissionpackage.xsd – contains the schema for the submission package and is imported into the batch submission schema; and

xmlldsig-cor-schema.xsd – contains the schema for the digital signature and is imported in the batch submission schema.

Note: The schema for the forms is contained in Appendix B to this document.

Batch Submission Schema:

```
<?xml version="1.0" encoding="UTF-8"?>
<schema targetNamespace="http://www.state.gov/export/submissionpackage"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ifs="http://northropgrumman.com/inflowsuite/submission"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
xmlns:exp="http://www.state.gov/export/submissionpackage"
xmlns="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="1.0">
  <!--
    D-TRADE BATCH INTERFACE XML SCHEMA DEFINITION FOR SUBMISSION
  MANIFEST
    VERSION 1.1

    Revision History:
    VERSION 1.1 12/7/2004
    - Removed TAA
    - Replaced attachment elements with AttachmentType, AttachmentCategoryType
  elements
    - organized element definition order

    INITIAL VERSION: 8/25/2003

  -->
  <import namespace="http://www.w3.org/2000/09/xmldsig#" schemaLocation="xmldsig-core-
schema.xsd"/>
  <import namespace="http://northropgrumman.com/inflowsuite/submission"
schemaLocation="submissionpackage.xsd"/>
  <annotation>
    <documentation>DRAFT - Subject to Change

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    copyrighted work may be reproduced, modified or distributed in
    any form or by any means or stored in any database or retrieval system,
    without the prior written permission of Northrop Grumman Corporation.
    Violation of copyright carries civil and criminal penalties.

  </documentation>
</annotation>

  <!-- DSP-5 manifest element definition -->
  <element name="DSP5Submission" substitutionGroup="ifs:submission">
    <complexType>
      <complexContent>
        <restriction base="ifs:submissionType">
          <sequence>
            <element ref="ds:Signature" minOccurs="0"
maxOccurs="1"/>
            <element ref="exp:customerID" minOccurs="0"
maxOccurs="1"/>
          </sequence>
        </restriction>
      </complexContent>
    </complexType>
  </element>
</schema>
```

```

maxOccurs="1"/>
maxOccurs="unbounded"/>
</sequence>
</restriction>
</complexContent>
</complexType>
</element>
<element name="DSP61Submission" substitutionGroup="ifs:submission">
  <complexType>
    <complexContent>
      <restriction base="ifs:submissionType">
        <sequence>
          <element ref="ds:Signature" minOccurs="0"
maxOccurs="1"/>
          <element ref="exp:customerID" minOccurs="0"
maxOccurs="1"/>
          <element ref="exp:DSP61" minOccurs="1"
maxOccurs="1"/>
          <element ref="exp:attachment" minOccurs="0"
maxOccurs="unbounded"/>
        </sequence>
      </restriction>
    </complexContent>
  </complexType>
</element>
<element name="DSP73Submission" substitutionGroup="ifs:submission">
  <complexType>
    <complexContent>
      <restriction base="ifs:submissionType">
        <sequence>
          <element ref="ds:Signature" minOccurs="0"
maxOccurs="1"/>
          <element ref="exp:customerID" minOccurs="0"
maxOccurs="1"/>
          <element ref="exp:DSP73" minOccurs="1"
maxOccurs="1"/>
          <element ref="exp:attachment" minOccurs="0"
maxOccurs="unbounded"/>
        </sequence>
      </restriction>
    </complexContent>
  </complexType>
</element>
<!-- Other submission manifest element definitions -->
<element name="DSP5" type="ifs:formType" substitutionGroup="ifs:form"/>
<element name="DSP61" type="ifs:formType" substitutionGroup="ifs:form"/>
<element name="DSP73" type="ifs:formType" substitutionGroup="ifs:form"/>
<!-- Batch manifest element definition -->
<element name="batch" type="ifs:batchType" substitutionGroup="ifs:batch"/>

```

```

    <!-- Other common batch manifest element definitions -->
    <element name="submissionRef" type="ifs:submissionRefType"
substitutionGroup="ifs:submissionRef"/>
    <element name="timestamp" type="dateTime"/>
    <element name="customerID" type="ifs:customerIDType" substitutionGroup="ifs:customerID"/>
    <element name="attachment" type="exp:AttachmentType"/>

    <xsd:complexType name="AttachmentType">
        <sequence>
            <element name="category" type="exp:AttachmentCategoryType" minOccurs =
"1" maxOccurs = "1"/>
        </sequence>
        <attribute name = "ref" use = "required" type = "anyURI"/>
    </xsd:complexType>

    <xsd:simpleType name="AttachmentCategoryType">
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="Basic Ordering Agreement|DSP-83 Attachments|Purchase
Order|Eligibility Letter|Transaction Exception Request|Firearms and Ammunitions Import Permit|Firearms
and Ammunitions Letter of Explanation|Other Amplifying Data|Precedent Cases|Product
Brochures|Supplementary Explanation of Transaction|Technical Data|Technical Drawings|Prior
Approval|Part 130 Report|Letter of Intent|Contract|Manufacturer Unknown Letter of Explanation"/>
        </xsd:restriction>
    </xsd:simpleType>

    <!-- SOAP Envelope element definitions -->
    <element name="batchRef" type="ifs:batchRefType" substitutionGroup="ifs:batchRef"/>
    <element name="submissionPackage" type="ifs:submissionPackageType"
substitutionGroup="ifs:submissionPackage"/>

</schema>

```


submissionpackage.xsd (imported by batch schema)

```

<?xml version = "1.0" encoding = "UTF-8"?>
<schema xmlns = "http://www.w3.org/2001/XMLSchema"
  targetNamespace = "http://northropgrumman.com/inflowsuite/submission"
  xmlns:ifs = "http://northropgrumman.com/inflowsuite/submission"
  xmlns:ds = "http://www.w3.org/2000/09/xmldsig#"
  xmlns:xsd = "http://www.w3.org/2001/XMLSchema"
  version = "1.0"
  elementFormDefault = "qualified">
  <!--
    D-TRADE BATCH INTERFACE XML SCHEMA DEFINITION FOR COMMON
    MANIFEST ELEMENTS
    VERSION 1.1

    Revision History:
    VERSION 1.1 12/7/2004
    - Removed attachmentType
    - Created elements AttachmentType, AttachmentCategoryType
    - organized element definition order

    INITIAL VERSION: 8/25/2003

-->
  <import namespace = "http://www.w3.org/2000/09/xmldsig#"
    schemaLocation="xmldsig-core-schema.xsd"/>
  <annotation>
    <documentation>DRAFT - Subject to Change

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copyrighted work may be reproduced, modified or distributed in
any form or by any means or stored in any database or retrieval system,
without the prior written permission of Northrop Grumman Corporation.
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    </documentation>
  </annotation>

  <!-- Abstract Element Definitions -->

    <element name = "attachment" type="ifs:AttachmentType" abstract = "true"/>
    <element name = "batchRef" type = "ifs:batchRefType" abstract = "true"/>
    <element name = "customerID" type = "ifs:customerIDType" abstract = "true"/>
    <element name = "submissionRef" type = "ifs:submissionRefType" abstract = "true"/>
    <element name = "submissionPackage" type = "ifs:submissionPackageType" abstract = "true">
      <annotation>

```

<documentation>This is the root element for the Body of the primary SOAP message part of the multipart submission structure. It points to a batch manifest or a submission manifest (if there is only one submission).</documentation>

</annotation>

</element>

<element name = "submission" type = "ifs:submissionType" abstract = "true">

<annotation>

<documentation>This is the root element for each submission manifest within a batch. It includes a signature and reference to all included forms and attachments.</documentation>

</annotation>

</element>

<element name = "form" type = "ifs:formType" abstract = "true"/>

<element name = "batch" type = "ifs:batchType" abstract = "true">

<annotation>

<documentation>This is the root element for a batch manifest. It includes a signature and a reference to all submission manifests included in the batch.</documentation>

</annotation>

</element>

<!-- Simple Element Type Definitions -->

<xsd:simpleType name="AttachmentCategoryType">

<xsd:restriction base="xsd:string">

<xsd:pattern value="Basic Ordering Agreement|DSP-83 Attachments|Purchase Order|Eligibility Letter|Transaction Exception Request|Firearms and Ammunitions Import Permit|Firearms and Ammunitions Letter of Explanation|Other Amplifying Data|Precedent Cases|Product Brochures|Supplementary Explanation of Transaction|Technical Data|Technical Drawings|Prior Approval|Part 130 Report|Letter of Intent|Contract"/>

</xsd:restriction>

</xsd:simpleType>

<simpleType name = "customerIDType">

<restriction base = "string">

<maxLength value="40"/>

<minLength value="0"/>

</restriction>

</simpleType>

<!-- Complex Element Type Definitions -->

<complexType name = "submissionPackageType">

<choice>

<element ref = "ifs:batchRef"/>

<element ref = "ifs:submissionRef"/>

</choice>

</complexType>

<complexType name = "batchRefType">

<attribute name = "ref" use = "required" type = "anyURI"/>

<attribute name = "submissionCount" type = "positiveInteger"/>

```

</complexType>

<complexType name = "batchType">
  <sequence>
    <element ref = "ds:Signature" minOccurs = "0"/>
    <element ref = "ifs:customerID" minOccurs = "0"/>
    <element ref = "ifs:submissionRef" maxOccurs = "unbounded"/>
  </sequence>
</complexType>

<complexType name = "submissionRefType">
  <attribute name = "ref" use = "required" type = "anyURI"/>
</complexType>

<complexType name = "submissionType">
  <sequence>
    <element ref = "ds:Signature" minOccurs = "0"/>
    <element ref = "ifs:customerID" minOccurs = "0"/>
    <element ref = "ifs:form" minOccurs = "0"/>
    <element ref = "ifs:attachment" maxOccurs = "unbounded"/>
  </sequence>
</complexType>

<complexType name = "formType">
  <attribute name = "ref" use = "required" type = "anyURI"/>
</complexType>

<xsd:complexType name="AttachmentType">
  <sequence>
    <element name="category" type="ifs:AttachmentCategoryType" minOccurs =
"1" maxOccurs = "1"/>
  </sequence>
  <attribute name = "ref" use = "required" type = "anyURI"/>
</xsd:complexType>

</schema>

```

xmldsig-core-schema.xsd (imported by batch schema)

```
<?xml version="1.0" encoding="utf-8"?>
<!--
<!DOCTYPE schema
  PUBLIC "-//W3C//DTD XMLSchema 200102//EN" "http://www.w3.org/2001/XMLSchema.dtd"
  [
    <!ATTLIST schema
      xmlns:ds CDATA #FIXED "http://www.w3.org/2000/09/xmldsig#">
    <!ENTITY dsig 'http://www.w3.org/2000/09/xmldsig#'>
    <!ENTITY % p ">
    <!ENTITY % s ">
  ]>
-->
<!-- Schema for XML Signatures
  http://www.w3.org/2000/09/xmldsig#
  $Revision: 1.1 $ on $Date: 2002/02/08 20:32:26 $ by $Author: reagle $

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  of Technology, Institut National de Recherche en Informatique et en
  Automatique, Keio University). All Rights Reserved.
  http://www.w3.org/Consortium/Legal/

  This document is governed by the W3C Software License [1] as described
  in the FAQ [2].

  [1] http://www.w3.org/Consortium/Legal/copyright-software-19980720
  [2] http://www.w3.org/Consortium/Legal/IPR-FAQ-20000620.html#DTD
-->
```

```
<schema xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
  targetNamespace="http://www.w3.org/2000/09/xmldsig#"
  version="0.1" elementFormDefault="qualified">
```

```
<!-- Basic Types Defined for Signatures -->
```

```
<simpleType name="CryptoBinary">
  <restriction base="base64Binary">
    </restriction>
  </simpleType>
```

```
<!-- Start Signature -->
```

```
<element name="Signature" type="ds:SignatureType"/>
<complexType name="SignatureType">
  <sequence>
    <element ref="ds:SignedInfo"/>
```

```

    <element ref="ds:SignatureValue"/>
    <element ref="ds:KeyInfo" minOccurs="0"/>
    <element ref="ds:Object" minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="Id" type="ID" use="optional"/>
</complexType>

<element name="SignatureValue" type="ds:SignatureValueType"/>
<complexType name="SignatureValueType">
  <simpleContent>
    <extension base="base64Binary">
      <attribute name="Id" type="ID" use="optional"/>
    </extension>
  </simpleContent>
</complexType>

<!-- Start SignedInfo -->

<element name="SignedInfo" type="ds:SignedInfoType"/>
<complexType name="SignedInfoType">
  <sequence>
    <element ref="ds:CanonicalizationMethod"/>
    <element ref="ds:SignatureMethod"/>
    <element ref="ds:Reference" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="Id" type="ID" use="optional"/>
</complexType>

<element name="CanonicalizationMethod" type="ds:CanonicalizationMethodType"/>
<complexType name="CanonicalizationMethodType" mixed="true">
  <sequence>
    <any namespace="##any" minOccurs="0" maxOccurs="unbounded"/>
    <!-- (0,unbounded) elements from (1,1) namespace -->
  </sequence>
  <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>

<element name="SignatureMethod" type="ds:SignatureMethodType"/>
<complexType name="SignatureMethodType" mixed="true">
  <sequence>
    <element name="HMACOutputLength" minOccurs="0" type="ds:HMACOutputLengthType"/>
    <any namespace="##other" minOccurs="0" maxOccurs="unbounded"/>
    <!-- (0,unbounded) elements from (1,1) external namespace -->
  </sequence>
  <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>

<!-- Start Reference -->

<element name="Reference" type="ds:ReferenceType"/>
<complexType name="ReferenceType">
  <sequence>
    <element ref="ds:Transforms" minOccurs="0"/>
    <element ref="ds:DigestMethod"/>
    <element ref="ds:DigestValue"/>

```

```

</sequence>
<attribute name="Id" type="ID" use="optional"/>
<attribute name="URI" type="anyURI" use="optional"/>
<attribute name="Type" type="anyURI" use="optional"/>
</complexType>

<element name="Transforms" type="ds:TransformsType"/>
<complexType name="TransformsType">
  <sequence>
    <element ref="ds:Transform" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<element name="Transform" type="ds:TransformType"/>
<complexType name="TransformType" mixed="true">
  <choice minOccurs="0" maxOccurs="unbounded">
    <any namespace="##other" processContents="lax"/>
    <!-- (1,1) elements from (0,unbounded) namespaces -->
    <element name="XPath" type="string"/>
  </choice>
  <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>

<!-- End Reference -->

<element name="DigestMethod" type="ds:DigestMethodType"/>
<complexType name="DigestMethodType" mixed="true">
  <sequence>
    <any namespace="##other" processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="Algorithm" type="anyURI" use="required"/>
</complexType>

<element name="DigestValue" type="ds:DigestValueType"/>
<simpleType name="DigestValueType">
  <restriction base="base64Binary"/>
</simpleType>

<!-- End SignedInfo -->

<!-- Start KeyInfo -->

<element name="KeyInfo" type="ds:KeyInfoType"/>
<complexType name="KeyInfoType" mixed="true">
  <choice maxOccurs="unbounded">
    <element ref="ds:KeyName"/>
    <element ref="ds:KeyValue"/>
    <element ref="ds:RetrievalMethod"/>
    <element ref="ds:X509Data"/>
    <element ref="ds:PGPData"/>
    <element ref="ds:SPKIData"/>
    <element ref="ds:MgmtData"/>
    <any processContents="lax" namespace="##other"/>
    <!-- (1,1) elements from (0,unbounded) namespaces -->
  </choice>

```

DOS SSB-001 V3.1

```
<attribute name="Id" type="ID" use="optional"/>
</complexType>

<element name="KeyName" type="string"/>
<element name="MgmtData" type="string"/>

<element name="KeyValue" type="ds:KeyValue"/>
<complexType name="KeyValue" mixed="true">
  <choice>
    <element ref="ds:DSAKeyValue"/>
    <element ref="ds:RSAKeyValue"/>
    <any namespace="##other" processContents="lax"/>
  </choice>
</complexType>

<element name="RetrievalMethod" type="ds:RetrievalMethod"/>
<complexType name="RetrievalMethod">
  <sequence>
    <element ref="ds:Transforms" minOccurs="0"/>
  </sequence>
  <attribute name="URI" type="anyURI"/>
  <attribute name="Type" type="anyURI" use="optional"/>
</complexType>

<!-- Start X509Data -->

<element name="X509Data" type="ds:X509DataType"/>
<complexType name="X509DataType">
  <sequence maxOccurs="unbounded">
    <choice>
      <element name="X509IssuerSerial" type="ds:X509IssuerSerial"/>
      <element name="X509SKI" type="base64Binary"/>
      <element name="X509SubjectName" type="string"/>
      <element name="X509Certificate" type="base64Binary"/>
      <element name="X509CRL" type="base64Binary"/>
      <any namespace="##other" processContents="lax"/>
    </choice>
  </sequence>
</complexType>

<complexType name="X509IssuerSerial">
  <sequence>
    <element name="X509IssuerName" type="string"/>
    <element name="X509SerialNumber" type="integer"/>
  </sequence>
</complexType>

<!-- End X509Data -->

<!-- Begin PGPDData -->

<element name="PGPData" type="ds:PGPDataType"/>
<complexType name="PGPDataType">
  <choice>
    <sequence>
```

```

    <element name="PGPKeyID" type="base64Binary"/>
    <element name="PGPKeyPacket" type="base64Binary" minOccurs="0"/>
    <any namespace="##other" processContents="lax" minOccurs="0"
      maxOccurs="unbounded"/>
  </sequence>
</sequence>
<sequence>
  <element name="PGPKeyPacket" type="base64Binary"/>
  <any namespace="##other" processContents="lax" minOccurs="0"
    maxOccurs="unbounded"/>
</sequence>
</choice>
</complexType>

<!-- End PGPDData -->

<!-- Begin SPKIData -->

<element name="SPKIData" type="ds:SPKIDataType"/>
<complexType name="SPKIDataType">
  <sequence maxOccurs="unbounded">
    <element name="SPKISexp" type="base64Binary"/>
    <any namespace="##other" processContents="lax" minOccurs="0"/>
  </sequence>
</complexType>

<!-- End SPKIData -->

<!-- End KeyInfo -->

<!-- Start Object (Manifest, SignatureProperty) -->

<element name="Object" type="ds:ObjectType"/>
<complexType name="ObjectType" mixed="true">
  <sequence minOccurs="0" maxOccurs="unbounded">
    <any namespace="##any" processContents="lax"/>
  </sequence>
  <attribute name="Id" type="ID" use="optional"/>
  <attribute name="MimeType" type="string" use="optional"/> <!-- add a grep facet -->
  <attribute name="Encoding" type="anyURI" use="optional"/>
</complexType>

<element name="Manifest" type="ds:ManifestType"/>
<complexType name="ManifestType">
  <sequence>
    <element ref="ds:Reference" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="Id" type="ID" use="optional"/>
</complexType>

<element name="SignatureProperties" type="ds:SignaturePropertiesType"/>
<complexType name="SignaturePropertiesType">
  <sequence>
    <element ref="ds:SignatureProperty" maxOccurs="unbounded"/>
  </sequence>
  <attribute name="Id" type="ID" use="optional"/>

```



```

</complexType>

  <element name="SignatureProperty" type="ds:SignaturePropertyType"/>
  <complexType name="SignaturePropertyType" mixed="true">
    <choice maxOccurs="unbounded">
      <any namespace="##other" processContents="lax"/>
      <!-- (1,1) elements from (1,unbounded) namespaces -->
    </choice>
    <attribute name="Target" type="anyURI" use="required"/>
    <attribute name="Id" type="ID" use="optional"/>
  </complexType>

<!-- End Object (Manifest, SignatureProperty) -->

<!-- Start Algorithm Parameters -->

<simpleType name="HMACOutputLengthType">
  <restriction base="integer"/>
</simpleType>

<!-- Start KeyValue Element-types -->

<element name="DSAKeyValue" type="ds:DSAKeyValueType"/>
<complexType name="DSAKeyValueType">
  <sequence>
    <sequence minOccurs="0">
      <element name="P" type="ds:CryptoBinary"/>
      <element name="Q" type="ds:CryptoBinary"/>
    </sequence>
    <element name="G" type="ds:CryptoBinary" minOccurs="0"/>
    <element name="Y" type="ds:CryptoBinary"/>
    <element name="J" type="ds:CryptoBinary" minOccurs="0"/>
    <sequence minOccurs="0">
      <element name="Seed" type="ds:CryptoBinary"/>
      <element name="PgenCounter" type="ds:CryptoBinary"/>
    </sequence>
  </sequence>
</complexType>

<element name="RSAKeyValue" type="ds:RSAKeyValueType"/>
<complexType name="RSAKeyValueType">
  <sequence>
    <element name="Modulus" type="ds:CryptoBinary"/>
    <element name="Exponent" type="ds:CryptoBinary"/>
  </sequence>
</complexType>

<!-- End KeyValue Element-types -->

<!-- End Signature -->

</schema>

```

ATTACHMENT B

D-TRADE FORMS XML SCHEMA

Common.schema.xsd (imported by dsp-5 schema)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://northropgrumman.com/inflowsuite/submission"
  xmlns="http://northropgrumman.com/inflowsuite/submission"
  xmlns:ifs="http://northropgrumman.com/inflowsuite/submission"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
  xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"
  jaxb:extensionBindingPrefixes="xjc"
  elementFormDefault="qualified">
```

<!--

D-TRADE COMMON FORM XML SCHEMA DEFINITION VERSION 1.1

3/13/2006

Revision History

1. USML Categories element is restricted to a list of values
2. USML Sub Categories element is restricted to a list of values
3. New Foreign Country Code List for foreign contacts that do not have 'US' in their list
4. Unit of Measure element is restricted to a list of values

D-TRADE COMMON FORM XML SCHEMA DEFINITION VERSION 1.00

Revision History

Note: As of 7/16/05, revision numbering has been changed to match the electronic/paper form version (2.01) numbering.

INITIAL VERSION 1.00 7/16/05

- Moved all elements that are common across multiple form types to common.schema.xsd
This schema will also be imported by dsp6, dsp61, dsp73, etc...
(details listed below):

- AddressType
- ApplicantType
- AgencyType
- ApplicantIDType
- AttentionType
- BooleanType
- CityType
- CommodityCodeType
- CommodityDescriptionType

CountryCodeType
DateType
DecimalType
DefenseArticleType
ExtensionType
LicenseNumberType
IntegerType
LongDescriptionType
NameType
OtherAgencyType
PhoneNumberType
PostalCodeType
SequenceNumberType
ShortNameType
StateCodeType
UnitOfMeasureType
USMLCategoryType
USMLSubCategoryType

-->

```
<xsd:annotation>  
  <xsd:documentation>  
    This schema contains the common elements found in the State Department forms.  
    It is not intended to be a stand alone schema, but rather, it should be imported  
    into individual form schemas.  
  
    Types are defined in alphabetical with all SimpleTypes being defined before Complex Types.  
  </xsd:documentation>  
</xsd:annotation>
```

```
<xsd:annotation>  
  <xsd:documentation>  
    (C)Northrop Grumman Corporation. 2005. All rights reserved. No part of this  
    copyrighted work may be reproduced, modified or distributed in  
    any form or by any means or stored in any database or retrieval system,  
    without the prior written permission of Northrop Grumman Corporation.  
    Violation of copyright carries civil and criminal penalties.  
  </xsd:documentation>  
</xsd:annotation>
```

<!-- field type definitions -->

```
<xsd:simpleType name="AddressType">  
  <xsd:annotation>  
    <xsd:documentation>  
      Defines an address type.  
    </xsd:documentation>  
  </xsd:annotation>  
<xsd:restriction base="xsd:string">
```

```

        <xsd:maxLength value="84"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ApplicantType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an applicant type.
            Allowable values are formatted either 4 or 5 digit numbers prefixed by upper or lower case letter
            (either M, K, B, F, S or G).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="(M-[0-9][0-9][0-9][0-9])|(K-[0-9][0-9][0-9][0-9])|(B-[0-9][0-9][0-9][0-9])|(F-[0-9][0-9][0-9][0-9])|(S-[0-9][0-9][0-9][0-9])|(G-[0-9][0-9][0-9][0-9])|(M[0-9][0-9][0-9][0-9])|(K[0-9][0-9][0-9][0-9])|(B[0-9][0-9][0-9][0-9])|(F[0-9][0-9][0-9][0-9])|(S[0-9][0-9][0-9][0-9])|(G[0-9][0-9][0-9][0-9])|(m-[0-9][0-9][0-9][0-9])|(k-[0-9][0-9][0-9][0-9])|(b-[0-9][0-9][0-9][0-9])|(f-[0-9][0-9][0-9][0-9])|(s-[0-9][0-9][0-9][0-9])|(g-[0-9][0-9][0-9][0-9])|(m[0-9][0-9][0-9][0-9])|(k[0-9][0-9][0-9][0-9])|(b[0-9][0-9][0-9][0-9])|(f[0-9][0-9][0-9][0-9])|(s[0-9][0-9][0-9][0-9])|(g[0-9][0-9][0-9][0-9])"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AgencyType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an agency type.
            Allowable values are restricted to 'Army', 'AirForce', 'Navy', 'NASA', 'Energy', 'NSA', 'Other'.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="Army|AirForce|Navy|NASA|Energy|NSA|Other"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ApplicantIDType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an applicant id type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="17"/>
        <xsd:minLength value="0"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AttentionType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an attention type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="45"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="BooleanType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a boolean type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="T|F"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CityType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a city type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="42"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CommodityCodeType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a commodity code type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="100"/>
        <xsd:minLength value="0"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CommodityDescriptionType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a commodity description type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="500"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CountryCodeType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a country code type.

```

Allowable values are restricted to values listed in the restriction base.

```

</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="xsd:string">
  <xsd:pattern
value="AA|AC|AE|AF|AG|AJ|AL|AM|AN|AO|AQ|AR|AS|AU|AV|AY|BA|BB|BC|BD|BE|BF|BG|BH|BK|BL|BM|BO|BP|BQ|BR|BT|
BU|BV|BX|BY|CA|CB|CD|CE|CF|CG|CH|CI|CJ|CK|CM|CN|CO|CQ|CS|CT|CU|CV|CW|CY|DA|DM|DO|DR|EC|EG|EI|EK|EN|EQ|ER
|ES|ET|EZ|FA|FG|FI|FJ|FM|FO|FP|FR|FS|FT|GA|GB|GG|GH|GI|GJ|GL|GM|GP|GQ|GR|GT|GV|GY|GZ|HA|HK|HM|HO|HR|HU|IC|ID
|IN|IO|IQ|IR|IS|IT|IV|IZ|JA|JM|JO|JS|KE|KG|KN|KR|KS|KT|KU|KZ|LA|LE|LG|LH|LI|LO|LS|LT|LU|LY|MA|MB|MC|MD|MG|MH|M
I|MK|ML|MN|MO|MP|MR|MT|MU|MV|MW|MX|MY|MZ|NA|NC|NE|NF|NG|NH|NI|NL|NO|NP|NQ|NR|NS|NU|NZ|PA|PC|PE|PF|PG
|PK|PL|PN|PO|PP|PQ|PS|PU|QA|RE|RM|RO|RP|RS|RW|SA|SB|SC|SE|SF|SG|SH|SI|SL|SM|SN|SO|SP|SR|ST|SU|SW|SY|SZ|TD|TH|TI
|TK|TL|TN|TO|TP|TS|TT|TU|TV|TW|TX|TZ|UG|UK|UN|UP|US|UV|UY|UZ|VC|VE|VI|VN|VQ|VT|WA|WE|WF|WI|WQ|WS|WZ|YM|
YO|ZA|ZI"/>

```

```

</xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="DateType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a date type.
      Formatted example: 11/23/1998
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="([0-1][0-9]/[0-3][0-9]/[0-9][0-9][0-9][0-9])"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="DecimalType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a decimal type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="10"/>
    <xsd:minLength value="1"/>
    <xsd:pattern value="[0-9]*"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="DefenseArticleType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a defense article type.
      Allowable values are restricted to 'Hardware' and 'Technical Data'.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="Hardware|Technical Data"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="ExtensionType">
  <xsd:annotation>

```

```

        <xsd:documentation>
            Defines a phone number extension type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="6"/>
        <xsd:minLength value="0"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ForeignCountryCodeType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a foreign country code type, where 'US' is not in the list.
            Allowable values are restricted to values listed in the restriction base.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern
value="AA|AC|AE|AF|AG|AJ|AL|AM|AN|AO|AQ|AR|AS|AU|AV|AY|BA|BB|BC|BD|BE|BF|BG|BH|BK|BL|BM|BO|BP|BQ|BR|BT|
BU|BV|BX|BY|CA|CB|CD|CE|CF|CG|CH|CI|CJ|CK|CM|CN|CO|CQ|CS|CT|CU|CV|CW|CY|DA|DM|DO|DR|EC|EG|EI|EK|EN|EQ|ER
|ES|ET|EZ|FA|FG|FI|FJ|FM|FO|FP|FR|FS|FT|GA|GB|GG|GH|GI|GJ|GL|GM|GP|GQ|GR|GT|GV|GY|GZ|HA|HK|HM|HO|HR|HU|IC|ID
|IN|IO|IQ|IR|IS|IT|IV|IZ|JA|JM|JO|JS|KE|KG|KN|KR|KS|KT|KU|KZ|LA|LE|LG|LH|LI|LO|LS|LT|LU|LY|MA|MB|MC|MD|MG|MH|M
I|MK|ML|MN|MO|MP|MR|MT|MU|MV|MW|MX|MY|MZ|NA|NC|NE|NF|NG|NH|NI|NL|NO|NP|NQ|NR|NS|NU|NZ|PA|PC|PE|PF|PG
|PK|PL|PN|PO|PP|PQ|PS|PU|QA|RE|RM|RO|RP|RS|RW|SA|SB|SC|SE|SF|SG|SH|SI|SL|SM|SN|SO|SP|SR|ST|SU|SW|SY|SZ|TD|TH|TI
|TK|TL|TN|TO|TP|TS|TT|TU|TV|TW|TX|TZ|UG|UK|UN|UP|UV|UY|UZ|VC|VE|VI|VN|VQ|VT|WA|WE|WF|WI|WQ|WS|WZ|YM|YO
|ZA|ZI"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LicenseNumberType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a license type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="9"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="IntegerType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an integer type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="10"/>
        <xsd:minLength value="1"/>
        <xsd:pattern value="[0-9]*"/>
    </xsd:restriction>
</xsd:simpleType>

```



```

<xsd:simpleType name="LongDescriptionType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a long description type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="4000"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="NameType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an name type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="126"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="OtherAgencyType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an other agency type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="15"/>
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="PhoneNumberType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a phone number type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="20"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="PostalCodeType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a postal code type.
      Formatted example: 12345 or 12345-6789
    </xsd:documentation>
  </xsd:annotation>

```

```

        <xsd:restriction base="xsd:string">
            <xsd:pattern value="([0-9][0-9][0-9][0-9])([0-9][0-9][0-9][0-9]-[0-9][0-9][0-9][0-9])"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="SequenceNumberType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a sequence number type
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="5"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ShortNameType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a short name type
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="45"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="StateCodeType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a state code type.
                Allowable values are restricted to values listed in the restriction base.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern
value="AL|AK|AZ|AR|CA|CO|CT|DE|DC|FL|GA|HI|ID|IL|IN|IA|KS|KY|LA|ME|MD|MA|MI|MN|MS|MO|MT|NE|NV|NH|NJ|NM|N
Y|NC|ND|OH|OK|OR|PA|RI|SC|SD|TN|TX|UT|VT|VA|WA|WV|WI|WY|AS|FM|GU|MH|MP|PW|PR|VI"/>
            </xsd:restriction>
        </xsd:simpleType>

    <xsd:simpleType name="UnitOfMeasureType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a unit of measure type.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="Bags|Barrels or Drums|Boxes|Bullets or
Rounds|Bundles|Cases|Containers|Copies|Dozen|Dozen Pairs|Feet|Forgings|Gallon|Grams|Gross|Gross Containers|Gross
Lines|Inches|Items|Kilos|Kits|Line|Liters|Lots|Magaz|Man Years|Meters|Number|Ounces|Packs,
Packets|Pairs|Pallets|Pieces|Pounds|Quarts|Rolls|Sets|Sheets|ShipSet|Square
Meters|Squares|Systems|Tins|Tons|Tubes|Units|Visits|Wafers|Yards"/>
        </xsd:restriction>
    </xsd:simpleType>

```

```

        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="USMLCategoryType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a USML category type.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="I|II|III|IV|V|VI|VII|VIII|IX|X|XI|XII|XIII|XIV|XV|XVI|XVII|XVIII|XX|XXI"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="USMLSubCategoryType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a USML sub category type.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern
value="a|a(1)|a(2)|a(3)(i)|a(3)(ii)|a(3)(iii)|a(3)(iv)|a(3)(v)|a(3)(vi)|a(4)|a(5)|a(6)|a(7)|b|c|d|d(1)|d(2)|d(3)|e|f|g|h|i|j|k|l|m|n"/>
            </xsd:restriction>
    </xsd:simpleType>

</xsd:schema>

```

Dsp5.schema.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.state.gov/export/forms"
  xmlns="http://www.state.gov/export/forms"
  xmlns:exp="http://www.state.gov/export/forms"
  xmlns:ifs="http://northropgrumman.com/inflowsuite/submission"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
  xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"
  jaxb:extensionBindingPrefixes="xjc"
  elementFormDefault="qualified">
```

<!--

D-TRADE DSP-5 FORM XML SCHEMA DEFINITION VERSION 2.2

Revision History

Note: As of 7/16/05, revision numbering has been changed to match the electronic/paper form version (2.2) numbering.
1. Foreign Location Type the CountryCode element is now of the type ForeignCountryCodeType

VERSION 2.01 7/16/05

- Renamed schema to dsp5.schema.xsd from ModAppSchema.xsd
- Moved all elements that are common across multiple form types to common.schema.xsd
This schema will also be imported by dsp6, dsp61, dsp73, etc...
(details listed below):

- AddressType
- AgencyType
- ApplicantIDType
- AttentionType
- BooleanType
- CityType
- CommodityCodeType
- CommodityDescriptionType
- CountryCodeType
- DateType
- DecimalType
- DefenseArticleType
- ExtensionType
- LicenseNumberType
- IntegerType
- LongDescriptionType
- NameType
- OtherAgencyType
- PhoneNumberType

PostalCodeType
SequenceNumberType
ShortNameType
StateCodeType
UnitOfMeasureType
USMLCategoryType
USMLSubCategoryType

- Annotations have been added to each field type definition to provide a brief explanation of the data type.
- Upgraded from version 2.00 (schema revision 1.3) to version 2.01 (details listed below):

1. New TransactionID element is now the first element in the form data.
2. New ClassifiedInformation element.
3. There is now a restriction base on the ApplicantID.
4. The old PortDescription element has been split into two elements: PortDescription1 and PortDescription2 which are now a maximum length of 35 characters
5. There is a new ApplicantAttention element after the ApplicantName element.
6. There is a new ApplicantExtension element after the ApplicantPhone element.
7. There is a new SubsidiaryAttention element after the SubsidiaryName element.
8. There is a new SubsidiaryExtension element after the SubsidiaryPhone element.
9. There is no longer a GovPersonnelCategory element.
10. There is no longer a GovPersonnelContactDescription element.
11. There is a new GovernmentPersonnel element with a new type of GovernmentPersonnelType.
12. There is no longer a ContactDescription element.
13. There is a new ApplicantContact element with a new type of ApplicantContactType.
14. The element AppUnshippedLicense is now of type AppUnshippedLicenseType.
15. The element RelLicLicField3 is now named RelatedLicenseBlock3 and is of type RelatedLicenseBlock3Type.
16. The element RelLicRetOther is now named RelatedLicenseOther and is of type RelatedLicenseOtherType.
17. The element RelLicDenField3 is now named RelatedLicenseDenied and is of type RelatedLicenseDeniedType.
18. The element RelLicLicOther is now named RelatedLicenseReturned and is of type RelatedLicenseReturnedType.
19. The element ReferenceAgreement is now of type ReferenceAgreementType.
20. There is a new element CommodityFinancingNA after the ReferenceAgreement element.
21. The element CommodityFmsCase is now named FmsCase and is of type FmsCaseType.
21. The element CommodityFmfCase is now named FmfCase and is of type FmfCaseType.
22. The element CommodityGapCase is now named GapCase and is of type GapCaseType.
23. The CommodityType complex element definition for the Commodity element has these added elements:
DefenseArticle, DSP83Attached and DSP83Explanation.
24. The elements TechData and Hardware are no longer individual elements. They have been moved to be the DefenseArticle under the Commodity element.
25. The element ForeignEndUser is now of type ForeignEndUserType.
26. There is a new element Manufacturer after ForeignEndUser that is of the complex type Manufacturer.
27. Element ForeignConsignee has moved up to be under Manufacturer and is of type ForeignConsigneeType.
28. Element ForeignIntermediateConsigneeNone is now after the Source element.
29. Element ForeignIntermediateConsignee is now of type ForeignIntermediateConsigneeType.
30. Element USSeller is now of type USSellerType.
31. Element Consignor is now of type ConsignorType.
32. Purpose is no longer an element. It has been split into five other elements: PurposeProcurement, PurposeBrokering, PurposePriorApproval, PurposeOther and MaterialPurposeDescription.
33. There is no longer an ApplicantStatement element.

VERSION 1.3 02/8/2005 (DSP-5 version 2.00)

- Restricted values for UnitOfMeasureType

VERSION 1.2 01/21/2005 (DSP-5 version 2.00)

- Increased Length of CommodityDescriptionType to 500
- Increased Length of USMLSubCategoryType to 9

VERSION 1.1 12/22/2004 (DSP-5 version 2.00)

- Removed TAAType
- Removed the following type/element declarations that were no longer needed for the TAA or DSP5:
 - AgreementMediumDescriptionType
 - AgreementShortDescriptionType
 - ApplicantShortNameType
 - Base64
 - CitizenShipType
 - ClassificationInformationDescriptionType
 - CommodityCategoryType
 - ContactMediumDescriptionType
 - DefineableArticlesDescriptionType
 - ITAR30NAExplanationType
 - OffsetDisclosureDescriptionType
 - ScopeDescriptionType
 - TAAApplicantStatementType
 - USGovernmentContractCodeType
 - ContactType
 - DSP5ApplicantStatementType
 - FacilityClearanceCodeType
 - WhereasClauseType
 - DeliveryLocation
 - DeliveryHoldForPickup
 - DSP5ApplicantStatementType - Official, Exception, and NotEmpowered
 - CountryCodeType - removed AE, UR, VA
- Added the following items(includes the type of the item) to the DSP5:
 - HasSubsidiary , BooleanType
 - ApplicantionRepresents, ApplicantionRepresentsType
 - WasLicensedBlock3, BooleanType
 - WasLicensedOtherCountries, BooleanType
 - WasDeniedBlock3, BooleanType
 - WasReturnedWithoutAction, BooleanType
 - ForeignMilitarySale, BooleanType
 - ForeignMilitaryFinancing, BooleanType
 - GrantAidProgram, BooleanType
 - ForeignIntermediateConsigneeNone, BooleanType
 - ApplicantStatementCertification, ApplicantStatementCertificationType
 - ApplicantStatementCompliance, ApplicantStatementComplianceType
- SourceCategoryType no longer includes Freight as an option

- UnitOfMeasureType has an increased length of 25
- SourceType changed to have the CountryCode element added to it
- Note: look at elements that have a minOccurs and a maxOccurs. Some of these have changed to comply with the electronic form version.

INITIAL VERSION: 8/25/2003

-->

```
<xsd:annotation>
  <xsd:documentation>
    This is the schema for the DSP-5 Version 2.2. It imports the common.schema.xsd.

    Definitions are in alphabetical order with the exception of the DSP5 complex type
    and element definition are last.
  </xsd:documentation>
</xsd:annotation>
```

```
<xsd:annotation>
  <xsd:documentation>
    (C)Northrop Grumman Corporation. 2005. All rights reserved. No part of this
    copyrighted work may be reproduced, modified or distributed in
    any form or by any means or stored in any database or retrieval system,
    without the prior written permission of Northrop Grumman Corporation.
    Violation of copyright carries civil and criminal penalties.
  </xsd:documentation>
</xsd:annotation>
```

```
<!-- Import the common schema, defining common data elements across different form types -->
<xsd:import namespace="http://northropgrumman.com/inflowsuite/submission"
schemaLocation="../../common/common.schema.xsd"/>
```

<!-- field type definitions -->

```
<xsd:simpleType name="ApplicationRepresentsType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an application represents type.
      Allowable values are restricted to 'NewShipment' for new shipments and 'UnshippedBal' for
unshipped balance.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="NewShipment|UnshippedBal"/>
  </xsd:restriction>
</xsd:simpleType>
```

```
<xsd:simpleType name="ApplicantIsType">
```

```

    <xsd:annotation>
      <xsd:documentation>
        Defines an application is type.
        Allowable values are restricted to 'Government', 'Manufacturer' or 'Exporter'.
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="Government|Manufacturer|Exporter"/>
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="ApplicantStatementCertificationType">
    <xsd:annotation>
      <xsd:documentation>
        Defines an applicatant statement certification type.
        Allowable values are restricted to 'AuthEligible' for authorized eligible, 'AuthNotEligible' for
authorized not eligible, 'NotAuthEligible', or 'NotAuthNotEligible'
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="AuthEligible|AuthNotEligible|NotAuthEligible|NotAuthNotEligible"/>
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="ApplicantStatementComplianceType">
    <xsd:annotation>
      <xsd:documentation>
        Defines an applicant statement compliance type.
        Allowable values are restricted to 'DoNotMeetReq', 'MeetReqNotPaid', 'MeetReqPaid',
NotAuthCert.
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="DoNotMeetReq|MeetReqNotPaid|MeetReqPaid|NotAuthCert"/>
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="AppUnshippedLicenseTypeType">
    <xsd:annotation>
      <xsd:documentation>
        Fixed-value element used to identify an entity as a application unshipped license. Value must
equal "appunshippedlicense".
      </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="appunshippedlicense"/>
    </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="ComFundingCaseType">
    <xsd:annotation>
      <xsd:documentation>
        Defines a commodity funding case type.
      </xsd:documentation>
    </xsd:annotation>
  </xsd:simpleType>

```



```

        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="30"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:complexType name="CommodityCategoryType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a usml commodity category. This common category data is inherited by
CommodityType.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
            <xsd:element name="USMLCategory" type="ifs:USMLCategoryType" minOccurs="1" maxOccurs="1" />
            <xsd:element name="USMLSubCategory" type="ifs:USMLSubCategoryType" minOccurs="1"
maxOccurs="1" />
            <xsd:element name="CommodityCode" type="ifs:CommodityCodeType" minOccurs="0"/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="CommodityType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a commodity.
                Inherits CommodityCategoryType fields for USML category info. Includes additional fields for
commodity information.
                SequenceNumber must be unique across all CommodityType entries.
                This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:complexContent>
            <xsd:extension base="exp:CommodityCategoryType">
                <xsd:sequence>
                    <xsd:element name="Quantity" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
                    <xsd:element name="UnitOfMeasure" type="ifs:UnitOfMeasureType" minOccurs="1"
maxOccurs="1"/>
                    <xsd:element name="CommodityDescription" type="ifs:CommodityDescriptionType"
minOccurs="1" maxOccurs="1"/>
                    <xsd:element name="MonetaryValue" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
                    <xsd:element name="UnitPrice" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
                    <xsd:element name="DefenseArticle" type="ifs:DefenseArticleType" minOccurs="1"
maxOccurs="1" />
                    <xsd:element name="DSP83Attached" type="ifs:BooleanType" minOccurs="0"
maxOccurs="1" />
                    <xsd:element name="DSP83Explanation" type="ifs:CommodityDescriptionType"
minOccurs="0" maxOccurs="1" />
                </xsd:sequence>
            </xsd:extension>
        </xsd:complexContent>
    </xsd:complexType>

```

```

</xsd:complexType>

<xsd:simpleType name="CommodityFmfCaseTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a commodity foreign military financing case.
      Value must equal "ForeignMilitaryFinancing".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ForeignMilitaryFinancing"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CommodityFmsCaseTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a commodity foreign military sales case. Value
      must equal "ForeignMilitarySales".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ForeignMilitarySales"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CommodityGapCaseTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a commodity grant aid program case. Value
      must equal "GrantAidProgram".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="GrantAidProgram"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ConsignorTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a consignor. Value must equal "Consignor".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="Consignor"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ForeignConsigneeTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a foreign consignee. Value must equal
      "ForeignConsignee".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ForeignConsignee"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="ForeignConsignee"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ForeignEndUserType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a foreign end user. Value must equal
                "ForeignEndUser".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="ForeignEndUser"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ForeignIntermediateConsigneeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as an intermediate consignee. Value must equal
                "IntermediateConsignee".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="IntermediateConsignee"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:complexType name="ForeignLocationType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a foreign location (street address).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
            <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1" />
            <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1" />
            <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1" />
            <xsd:element name="CountryCode" type="ifs:ForeignCountryCodeType" minOccurs="1" maxOccurs="1"
        />
        </xsd:sequence>
    </xsd:complexType>

    <xsd:simpleType name="LicenseIDType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a license id value.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="9"/>
            <xsd:minLength value="1"/>

```

```

        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ManufacturerTypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a manufacturer. Value must equal
"Manufacturer".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="Manufacturer"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="PortDescriptionType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a port description.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="35"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ReferenceAgreementTypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a referenced agreement. Value must equal
"referencedlicense".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="referencedlicense"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="RelatedLicenseBlock3TypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a licensed country. Value must equal
"licensedcountry".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="licensedcountry"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="RelatedLicenseDeniedTypeType">
        <xsd:annotation>
            <xsd:documentation>

```

Fixed-value element used to identify an entity as a related denied license. Value must equal "deniedcountry".

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="deniedcountry"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseOtherTypeType">
    <xsd:annotation>
        <xsd:documentation>

```

Fixed-value element used to identify an entity as a related license other. Value must equal "licensedother".

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="licensedother"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseReturnedTypeType">
    <xsd:annotation>
        <xsd:documentation>

```

Fixed-value element used to identify an entity as a related returned license other. Value must equal "licenreturnedother".

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="returnedother"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RoleType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a role type.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="126"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="SourceTypeType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a source. Value must equal "Source".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="Source"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="TransactionIDType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a transaction id type - unique identifier used for tracking purposes by external system
submitting the case.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="40"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="USSellerTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a U.S. seller. Value must equal "USSeller".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="USSeller"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="ApplicantContactType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an application contact (name, phone, extension).
      SequenceNumber must be unique across all ApplicantContactType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="AppUnshippedLicenseType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an unshipped license application type (sequence number, case type, license id).
      SequenceNumber must be unique across all AppUnshippedLicenseType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>

```

```

        <xsd:element name="Type" type="exp:AppUnshippedLicenseTypeType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="FmfCaseType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an foreign military financing case type.
            SequenceNumber must be unique across all FmfCaseType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:CommodityFmfCaseTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="CaseNumber" type="exp:ComFundingCaseType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="FmsCaseType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an foreign military sales case type.
            SequenceNumber must be unique across all FmsCaseType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:CommodityFmsCaseTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="CaseNumber" type="exp:ComFundingCaseType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GapCaseType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an grant aid program case type.
            SequenceNumber must be unique across all GapCaseType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:CommodityGapCaseTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="CaseNumber" type="exp:ComFundingCaseType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>

```

```

</xsd:complexType>

<xsd:complexType name="ConsignorType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a consignor. Inherits USLocationType fields. Includes one additional field, which is a
fixed string value defined by ConsignorTypeType.
      SequenceNumber must be unique across all ConsignorType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:USLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ConsignorTypeType" minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="GovernmentPersonnelType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a consignor. Inherits USLocationType fields. Includes one additional field, which is a
fixed string value defined by ConsignorTypeType.
      SequenceNumber must be unique across all ConsignorType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Agency" type="ifs:AgencyType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="OtherAgency" type="ifs:OtherAgencyType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DestinationCountryType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a destination country (country code).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="CountryCode" type="ifs:ForeignCountryCodeType" minOccurs="1"
maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForeignConsigneeType">

```



```

    <xsd:annotation>
      <xsd:documentation>
        Defines an foreign consignee type. Inherits ForeignLocationType fields. Includes one additional
field, which is a fixed string value defined by ForeignConsigneeTypeType.
        SequenceNumber must be unique across all ForeignConsigneeType entries.
        This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
      </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="exp:ForeignLocationType">
        <xsd:sequence>
          <xsd:element name="Type" type="exp:ForeignConsigneeTypeType" minOccurs="1"
maxOccurs="1"/>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

  <xsd:complexType name="ForeignEndUserType">
    <xsd:annotation>
      <xsd:documentation>
        Defines an foreign end-user type. Inherits ForeignLocationType fields. Includes one additional
field, which is a fixed string value defined by ForeignEndUserTypeType.
        SequenceNumber must be unique across all ForeignEndUserType entries.
        This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
      </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="exp:ForeignLocationType">
        <xsd:sequence>
          <xsd:element name="Type" type="exp:ForeignEndUserTypeType" minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

  <xsd:complexType name="ForeignIntermediateConsigneeType">
    <xsd:annotation>
      <xsd:documentation>
        Defines an foreign intermediate consignee type. Inherits ForeignLocationType fields. Includes
one additional field, which is a fixed string value defined by ForeignIntermediateConsigneeTypeType.
        SequenceNumber must be unique across all ForeignEndUserType entries.
        This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
      </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
      <xsd:extension base="exp:ForeignLocationType">
        <xsd:sequence>
          <xsd:element name="Type" type="exp:ForeignIntermediateConsigneeTypeType"
minOccurs="1" maxOccurs="1"/>
          <xsd:element name="Role" type="exp:RoleType" minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

```

```

        </xsd:extension>
      </xsd:complexContent>
    </xsd:complexType>

    <xsd:complexType name="ReferenceAgreementType">
      <xsd:annotation>
        <xsd:documentation>
          Defines an referenced agreement type.
          SequenceNumber must be unique across all ReferenceAgreementType entries.
          This is currently not enforced via unique constraints in the schema, but is enforced by the software
          (duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:ReferenceAgreementTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="RelatedLicenseBlock3Type">
      <xsd:annotation>
        <xsd:documentation>
          Defines an related license block 3 type.
          SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
          This is currently not enforced via unique constraints in the schema, but is enforced by the software
          (duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:RelatedLicenseBlock3TypeType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="RelatedLicenseDeniedType">
      <xsd:annotation>
        <xsd:documentation>
          Defines an related denied license type.
          SequenceNumber must be unique across all RelatedLicenseDeniedType entries.
          This is currently not enforced via unique constraints in the schema, but is enforced by the software
          (duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:RelatedLicenseDeniedTypeType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:complexType>

```

```

</xsd:complexType>

<xsd:complexType name="RelatedLicenseOtherType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an related other license type.
      SequenceNumber must be unique across all RelatedLicenseOtherType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseOtherTypeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseReturnedType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an related returned license type.
      SequenceNumber must be unique across all RelatedLicenseReturnedType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseReturnedTypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SourceType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an source type.
      SequenceNumber must be unique across all RelatedLicenseReturnedType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Type" type="exp:SourceTypeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>

```

```

        <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ManufacturerType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a manufacturer type.
            SequenceNumber must be unique across all RelatedLicenseReturnedType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
            (duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="Type" type="exp:ManufacturerTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
        <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
        <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="USLocationType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an U.S. location type (street address).
            Serves as the base type for U.S. sellers and consigners.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1" />
        <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1" />
        <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="1" maxOccurs="1" />
        <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="USSellerType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a U.S. seller. Inherits USLocationType fields. Includes one additional field, which is a
            fixed string value defined by USSellerTypeType.
            SequenceNumber must be unique across all USSellerType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
            (duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>

```

```

    <xsd:complexContent>
      <xsd:extension base="exp:USLocationType">
        <xsd:sequence>
          <xsd:element name="Type" type="exp:USSellerTypeType" minOccurs="1"
maxOccurs="1"/>
        </xsd:sequence>
      </xsd:extension>
    </xsd:complexContent>
  </xsd:complexType>

  <xsd:complexType name="DSP5Type">
    <xsd:annotation>
      <xsd:documentation>
        Defines a DSP-5 form type.
        Corresponding Block number from the paper and electronic forms are included for clarification
purposes.
        The field sequence is organized to be consistent with the paper form.
      </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <!-- Cover Letter Fields -->
      <xsd:element name="TransactionID" type="exp:TransactionIDType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ClassifiedInformation" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
      <!-- Block 1 Fields -->
      <xsd:element name="PreparedDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
      <!-- Block 2 Fields -->
      <xsd:element name="ApplicantID" type="ifs:ApplicantType" minOccurs="1" maxOccurs="1"/>
      <!-- Block 3 Fields -->
      <xsd:element name="DestinationCountry" type="exp:DestinationCountryType" minOccurs="1"
maxOccurs="unbounded"/>
      <!-- Block 4 Fields -->
      <xsd:element name="PortDescription1" type="exp:PortDescriptionType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="PortDescription2" type="exp:PortDescriptionType" minOccurs="0"
maxOccurs="1"/>
      <!-- Block 5 Fields -->
      <xsd:element name="ApplicantSourceCategory" type="exp:ApplicantIsType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="ApplicantName" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantAttention" type="ifs:AttentionType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantStreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantCity" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantStateCode" type="ifs:StateCodeType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantPostalCode" type="ifs:PostalCodeType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="ApplicantPhoneNumber" type="ifs:PhoneNumberType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="ApplicantExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="HasSubsidiary" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="SubsidiaryName" type="ifs:NameType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="SubsidiaryAttention" type="ifs:AttentionType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="SubsidiaryStreetAddress" type="ifs:AddressType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="SubsidiaryCity" type="ifs:CityType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="SubsidiaryStateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="SubsidiaryPostalCode" type="ifs:PostalCodeType" minOccurs="0"
maxOccurs="1"/>

```

```

        <xsd:element name="SubsidiaryPhoneNumber" type="ifs:PhoneNumberType" minOccurs="0"
maxOccurs="1"/>
        <xsd:element name="SubsidiaryExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
        <!-- Block 6 Fields -->
        <xsd:element name="GovernmentPersonnel" type="exp:GovernmentPersonnelType" minOccurs="0"
maxOccurs="unbounded"/>
        <!-- Block 7 Fields -->
        <xsd:element name="ApplicantContact" type="exp:ApplicantContactType" minOccurs="1"
maxOccurs="unbounded"/>
        <!-- Block 8 Fields -->
        <xsd:element name="ApplicationRepresents" type="exp:ApplicationRepresentsType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="AppUnshippedLicense" type="exp:AppUnshippedLicenseType" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="WasLicensedBlock3" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="RelatedLicenseBlock3" type="exp:RelatedLicenseBlock3Type" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="WasLicensedOtherCountries" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="RelatedLicenseOther" type="exp:RelatedLicenseOtherType" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="WasDeniedBlock3" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="RelatedLicenseDenied" type="exp:RelatedLicenseDeniedType" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="WasReturnedWithoutAction" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="RelatedLicenseReturned" type="exp:RelatedLicenseReturnedType" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="ReferenceAgreement" type="exp:ReferenceAgreementType" minOccurs="0"
maxOccurs="18"/>
        <xsd:element name="CommodityFinancingNA" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="ForeignMilitarySale" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="FmsCase" type="exp:FmsCaseType" minOccurs="0" maxOccurs="12"/>
        <xsd:element name="ForeignMilitaryFinancing" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="FmfCase" type="exp:FmfCaseType" minOccurs="0" maxOccurs="12"/>
        <xsd:element name="GrantAidProgram" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="GapCase" type="exp:GapCaseType" minOccurs="0" maxOccurs="12"/>
        <!-- Blocks 9, 10, 11, 12 Fields -->
        <xsd:element name="Commodity" type="exp:CommodityType" minOccurs="1"
maxOccurs="unbounded"/>
        <!-- Block 13 Fields -->
        <xsd:element name="TotalMonetaryValue" type="ifs:IntegerType" minOccurs="1" maxOccurs="1"/>
        <!-- Block 14 Fields -->
        <xsd:element name="ForeignEndUser" type="exp:ForeignEndUserType" minOccurs="1"
maxOccurs="unbounded"/>
        <!-- Block 15 Fields -->
        <xsd:element name="Manufacturer" type="exp:ManufacturerType" minOccurs="1"
maxOccurs="unbounded"/>
        <!-- Block 16 Fields -->
        <xsd:element name="ForeignConsignee" type="exp:ForeignConsigneeType" minOccurs="1"
maxOccurs="unbounded"/>
        <!-- Block 17 Fields -->
        <xsd:element name="Source" type="exp:SourceType" minOccurs="1" maxOccurs="unbounded"/>

```

```

        <!-- Block 18 Fields -->
        <xsd:element name="ForeignIntermediateConsigneeNone" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="ForeignIntermediateConsignee" type="exp:ForeignIntermediateConsigneeType"
minOccurs="0" maxOccurs="unbounded"/>
        <!-- Block 19 Fields -->
        <xsd:element name="USSeller" type="exp:USSellerType" minOccurs="1" maxOccurs="unbounded"/>
        <!-- Block 20 Fields -->
        <xsd:element name="PurposeProcurement" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeBrokering" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposePriorApproval" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeOther" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="MaterialPurposeDescription" type="ifs:LongDescriptionType" minOccurs="1"
maxOccurs="1"/>
        <!-- Block 21 Fields -->
        <xsd:element name="Consignor" type="exp:ConsignorType" minOccurs="1" maxOccurs="unbounded"/>
        <!-- Block 22 Fields -->
        <xsd:element name="ApplicantStatementCertification" type="exp:ApplicantStatementCertificationType"
minOccurs="1" maxOccurs="1"/>
        <xsd:element name="ApplicantStatementCompliance" type="exp:ApplicantStatementComplianceType"
minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
    </xsd:complexType>

    <!-- Definition of the DSP5 -->
    <xsd:element name="DSP5" type="exp:DSP5Type"/>
</xsd:schema>

```

DSP-61.schema.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.state.gov/export/forms"
  xmlns="http://www.state.gov/export/forms"
  xmlns:exp="http://www.state.gov/export/forms"
  xmlns:ifs="http://northropgrumman.com/inflowsuite/submission"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
  xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"
  jaxb:extensionBindingPrefixes="xjc"
  elementFormDefault="qualified">
```

```
<!--
*****
```

```
D-TRADE DSP-61 FORM XML SCHEMA DEFINITION
VERSION 1.0
```

```
INITIAL VERSION: 3/13/2006
```

```
*****
```

```
-->
```

```
<xsd:annotation>
  <xsd:documentation>
    This is the schema for the DSP-61 form. It imports the CommonFormSchema.

    Again definitions are in alphabetical order with the exception of the DSP61 complex type
    and element definition are last.
  </xsd:documentation>
</xsd:annotation>
```

```
<xsd:annotation>
  <xsd:documentation>
    (C)Northrop Grumman Corporation. 2005. All rights reserved. No part of this
    copyrighted work may be reproduced, modified or distributed in
    any form or by any means or stored in any database or retrieval system,
    without the prior written permission of Northrop Grumman Corporation.
    Violation of copyright carries civil and criminal penalties.
  </xsd:documentation>
</xsd:annotation>
```

```
<!-- Import the common schema, defining common data elements across different form types -->
<xsd:import namespace="http://northropgrumman.com/inflowsuite/submission"
schemaLocation="../../common/common.schema.xsd" />
```

```
<!-- field type Definitions -->
```

```
<!-- Simple Types -->
```

```
<xsd:simpleType name="ApplicantIsType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an application is type.
```


Allowable values are restricted to 'Government', 'Manufacturer' or 'Exporter'.

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="Government|Manufacturer|Exporter"/>
  </xsd:restriction>
</xsd:simpleType>

```

```
<xsd:simpleType name="ApplicantStatementCertificationType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Defines an applicant statement certification type.

Allowable values are restricted to 'AuthEligible' for authorized eligible, 'AuthNotEligible' for authorized not eligible, 'NotAuthEligible', or 'NotAuthNotEligible'

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:restriction base="xsd:string">
```

```
    <xsd:pattern value="AuthEligible|AuthNotEligible|NotAuthEligible|NotAuthNotEligible"/>
```

```
  </xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="CommodityIsType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Defines the type of commodity (part, component, software, etc).

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:restriction base="xsd:string">
```

```
    <xsd:pattern value="Component, Major|Component,
```

```
Minor|Accessory/Attachment|Part|Firmware|Software|System"/>
```

```
  </xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="ForeignConsigneeType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Fixed-value element used to identify an entity as a foreign consignee. Value must equal "ForeignConsignee".

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:restriction base="xsd:string">
```

```
    <xsd:pattern value="ForeignConsignee"/>
```

```
  </xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="ForeignDestinationType">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>
```

Fixed-value element used to identify an entity as a domestic Ultimate Destination.

Value must equal "ConsigneeUltDestination".

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:restriction base="xsd:string">
```

```
    <xsd:pattern value="ConsigneeUltDestination"/>
```

```
  </xsd:restriction>
```

```

</xsd:simpleType>

<xsd:simpleType name="ForeignEndUserTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a foreign end user. Value must equal
"ForeignEndUser".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ForeignEndUser"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ForeignUltimateDestinationTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a foreign ultimate destination.
      Value must equal "ForeignEndUserUltimateDestination".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ForeignEndUserUltDest"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ForeignIntermediateConsigneeTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as an intermediate consignee. Value must equal
"IntermediateConsignee".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="IntermediateConsignee"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LicenseIDType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a license id value.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="9"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ManufacturerTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a manufacturer. Value must equal
"Manufacturer".
  </xsd:documentation>
</xsd:annotation>

```

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="Manufacturer"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="MediumDescriptionType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a description for lengths up to 500 characters.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="500"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="PortDescriptionType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a port description.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="35"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="RelatedLicenseBlock3TypeType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a licensed country. Value must equal
"licensedcountry".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="licensedcountry"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="RelatedLicenseDeniedTypeType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a related denied license. Value must equal
"deniedcountry".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="deniedcountry"/>
    </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseFurtheranceAgreementTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a related denied license. Value must equal
"deniedcountry".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="furtheranceagreement"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseOtherTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a related license other. Value must equal
"licensedother".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="licensedother"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseSupportAgreementTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a related denied license. Value must equal
"deniedcountry".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="supportagreement"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="SourceTypeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a source. Value must equal "Source".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="Source"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="SpecificPurposeDescriptionType">
  <xsd:annotation>
    <xsd:documentation>
      Defines the specific purpose description
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="500"/>
  </xsd:restriction>

```

```

        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="TransactionIDType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a transaction id type - unique identifier used for tracking purposes by external system
submitting the case.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="40"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="USIntermediateConsigneeTypeType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a US Intermediate Consignee type.
            Value must equal "USIntermediateConsignee".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="USIntermediateConsignee"/>
    </xsd:restriction>
</xsd:simpleType>

<!-- Complex Types -->

<xsd:complexType name="ApplicantContactType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an application contact (name, phone, extension).
            SequenceNumber must be unique across all ApplicantContactType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CommodityCategoryType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a usml commodity category. This common category data is inherited by
CommodityType.
        </xsd:documentation>

```

```

        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
            <xsd:element name="USMLCategory" type="ifs:USMLCategoryType"/>
            <xsd:element name="USMLSubCategory" type="ifs:USMLSubCategoryType"/>
            <xsd:element name="CommodityCode" type="ifs:CommodityCodeType" minOccurs="0"/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="CommodityType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a commodity.
                Inherits CommodityCategoryType fields for USML category info. Includes additional fields for
                commodity information.
                SequenceNumber must be unique across all CommodityType entries.
                This is currently not enforced via unique constraints in the schema, but is enforced by the software
                (duplicate SequenceNumber values will cause an error).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:complexContent>
            <xsd:extension base="exp:CommodityCategoryType">
                <xsd:sequence>
                    <xsd:element name="Quantity" type="ifs:DecimalType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="UnitOfMeasure" type="ifs:UnitOfMeasureType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="CommodityDescription" type="ifs:CommodityDescriptionType"
                    minOccurs="1" maxOccurs="1"/>
                    <xsd:element name="MonetaryValue" type="ifs:DecimalType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="UnitPrice" type="ifs:DecimalType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="CommodityIs" type="exp:CommodityIsType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="NoneIntended" type="ifs:BooleanType" minOccurs="1"
                    maxOccurs="1"/>
                    <xsd:element name="IntendedDescription" type="exp:MediumDescriptionType"
                    minOccurs="0" maxOccurs="1"/>
                </xsd:sequence>
            </xsd:extension>
        </xsd:complexContent>
    </xsd:complexType>

    <xsd:complexType name="GovernmentPersonnelType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a Government Contact type.
                This is currently not enforced via unique constraints in the schema, but is enforced by the software
                (duplicate SequenceNumber values will cause an error).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
            maxOccurs="1"/>

```

```

    <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Agency" type="ifs:AgencyType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="OtherAgency" type="ifs:OtherAgencyType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForeignConsigneeType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an foreign consignee type. Inherits ForeignLocationType fields. Includes one additional
      field, which is a fixed string value defined by ForeignConsigneeTypeType.
      SequenceNumber must be unique across all ForeignConsigneeType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ForeignConsigneeTypeType" minOccurs="1"
maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ForeignDestinationType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a Domestic Ultimate Destination type.
      SequenceNumber must be unique across all Domestic Ultimate Destinations entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ForeignDestinationTypeType" minOccurs="1"
maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ForeignEndUserType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an foreign end-user type. Inherits ForeignLocationType fields. Includes one additional
      field, which is a fixed string value defined by ForeignEndUserTypeType.
      SequenceNumber must be unique across all ForeignEndUserType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ForeignEndUserTypeType" minOccurs="1"
maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="exp:ForeignLocationType">
            <xsd:sequence>
                <xsd:element name="Type" type="exp:ForeignEndUserTypeType" minOccurs="1"
maxOccurs="1"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ForeignUltimateDestinationType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an foreign intermediate consignee type. Inherits ForeignLocationType fields. Includes
one additional field, which is a fixed string value defined by ForeignIntermediateConsigneeTypeType.
            SequenceNumber must be unique across all ForeignEndUserType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="exp:ForeignLocationType">
            <xsd:sequence>
                <xsd:element name="Type" type="exp:ForeignUltimateDestinationTypeType"
minOccurs="1" maxOccurs="1"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ForeignLocationType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a foriegn location (street address, city, country).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
        <xsd:element name="Name" type="ifs:NameType"/>
        <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="0"/>
        <xsd:element name="City" type="ifs:CityType" minOccurs="0"/>
        <xsd:element name="CountryCode" type="ifs:ForeignCountryCodeType" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForeignIntermediateConsigneeType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an foreign intermediate consignee type. Inherits ForeignLocationType fields. Includes
one additional field, which is a fixed string value defined by ForeignIntermediateConsigneeTypeType.
            SequenceNumber must be unique across all ForeignEndUserType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="exp:ForeignLocationType">
            <xsd:sequence>
                <xsd:element name="Type" type="exp:ForeignIntermediateConsigneeTypeType" minOccurs="1"
maxOccurs="1"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

```



```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="exp:ForeignLocationType">
            <xsd:sequence>
                <xsd:element name="Type" type="exp:ForeignIntermediateConsigneeTypeType"
minOccurs="1" maxOccurs="1"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ManufacturerType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a manufacturer type.
            SequenceNumber must be unique across all Manufacturer entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="Type" type="exp:ManufacturerTypeType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
        <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
        <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseBlock3Type">
    <xsd:annotation>
        <xsd:documentation>
            Defines an related license block 3 type.
            SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="Type" type="exp:RelatedLicenseBlock3TypeType" minOccurs="1"
maxOccurs="1"/>
        <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseDeniedType">
    <xsd:annotation>
        <xsd:documentation>

```

Defines an related denied license type.

SequenceNumber must be unique across all RelatedLicenseDeniedType entries.

This is currently not enforced via unique constraints in the schema, but is enforced by the software

(duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseDeniedTypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="RelatedLicenseFurtheranceAgreementType">

```

```

  <xsd:annotation>

```

```

    <xsd:documentation>

```

Defines an related license block 3 type.

SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.

This is currently not enforced via unique constraints in the schema, but is enforced by the software

(duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseFurtheranceAgreementTypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="RelatedLicenseOtherType">

```

```

  <xsd:annotation>

```

```

    <xsd:documentation>

```

Defines an related other license type.

SequenceNumber must be unique across all RelatedLicenseOtherType entries.

This is currently not enforced via unique constraints in the schema, but is enforced by the software

(duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseOtherTypeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="RelatedLicenseSupportAgreementType">

```

```

  <xsd:annotation>

```

```

    <xsd:documentation>

```

Defines an related license block 3 type.

SequenceNumber must be unique across all SupportAgreementLicenseType entries.

This is currently not enforced via unique constraints in the schema, but is enforced by the software (duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseSupportAgreementTypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SourceType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a source type.
      SequenceNumber must be unique across all Source entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Type" type="exp:SourceTypeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="USIntermediateConsigneeType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a Domestic Intermediate Consignee type.
      SequenceNumber must be unique across all Domestic Intermediate Consignee entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:USLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:USIntermediateConsigneeTypeType"
minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="USLocationType">

```

```

<xsd:annotation>
  <xsd:documentation>
    Defines an U.S. location type (street address).
    Serves as the base type for U.S. sellers and consigners.
  </xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
  <xsd:element name="Name" type="ifs:NameType"/>
  <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="0"/>
  <xsd:element name="City" type="ifs:CityType" minOccurs="0"/>
  <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
  <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DSP61Type">
  <xsd:sequence>
    <!-- Cover Letter Fields -->
    <xsd:element name="TransactionID" type="exp:TransactionIDType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ClassifiedInformation" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
    <!-- Block 1 Fields -->
    <xsd:element name="PreparedDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
    <!-- Block 2 Fields -->
    <xsd:element name="ApplicantID" type="ifs:ApplicantType" minOccurs="1" maxOccurs="1"/>
    <!-- Block 3 Fields -->
    <xsd:element name="ShippedCountry" type="ifs:ForeignCountryCodeType" minOccurs="1"
maxOccurs="1"/>
    <!-- Block 4 Fields -->
    <xsd:element name="ImportPort1" type="exp:PortDescriptionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ImportPort2" type="exp:PortDescriptionType" minOccurs="0" maxOccurs="1"/>
    <!-- Block 5 Fields -->
    <xsd:element name="DestinationCountry" type="ifs:ForeignCountryCodeType" minOccurs="1"
maxOccurs="1"/>
    <!-- Block 6 Fields -->
    <xsd:element name="ExportPort1" type="exp:PortDescriptionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ExportPort2" type="exp:PortDescriptionType" minOccurs="0" maxOccurs="1"/>
    <!-- Block 7 Fields -->
    <xsd:element name="GovernmentPersonnel" type="exp:GovernmentPersonnelType" minOccurs="0"
maxOccurs="unbounded"/>
    <!-- Block 8 Fields -->
    <xsd:element name="ApplicantSourceCategory" type="exp:ApplicantIsType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="ApplicantName" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantAttention" type="ifs:AttentionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantStreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantCity" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantStateCode" type="ifs:StateCodeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantPostalCode" type="ifs:PostalCodeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="ApplicantPhoneNumber" type="ifs:PhoneNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="ApplicantExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="HasSubsidiary" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="SubsidiaryName" type="ifs:NameType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="SubsidiaryAttention" type="ifs:AttentionType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:element name="SubsidiaryStreetAddress" type="ifs:AddressType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryCity" type="ifs:CityType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryStateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryPostalCode" type="ifs:PostalCodeType" minOccurs="0"
maxOccurs="1"/>
<xsd:element name="SubsidiaryPhoneNumber" type="ifs:PhoneNumberType" minOccurs="0"
maxOccurs="1"/>
<xsd:element name="SubsidiaryExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
<!-- Block 9 Fields -->
<xsd:element name="ApplicantContact" type="exp:ApplicantContactType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 10 Fields -->
<!-- 10A -->
<xsd:element name="WasLicensedBlock3" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseBlock3" type="exp:RelatedLicenseBlock3Type" minOccurs="0"
maxOccurs="18"/>
<!-- 10B -->
<xsd:element name="WasLicensedOtherCountries" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="RelatedLicenseOther" type="exp:RelatedLicenseOtherType" minOccurs="0"
maxOccurs="18"/>
<!-- 10C -->
<xsd:element name="WasDeniedBlock3" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseDenied" type="exp:RelatedLicenseDeniedType" minOccurs="0"
maxOccurs="18"/>
<!-- 10D -->
<xsd:element name="WasNeverLicensed" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<!-- 10E -->
<xsd:element name="FurtheranceAgreement" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseFurtheranceAgreement"
type="exp:RelatedLicenseFurtheranceAgreementType" minOccurs="0" maxOccurs="18"/>
<!-- 10F -->
<xsd:element name="SupportAgreement" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseSupportAgreement"
type="exp:RelatedLicenseSupportAgreementType" minOccurs="0" maxOccurs="18"/>
<!-- Block 11, 12, 13, 14 Fields -->
<xsd:element name="Commodity" type="exp:CommodityType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 15 Fields -->
<xsd:element name="TotalMonetaryValue" type="ifs:IntegerType" minOccurs="1" maxOccurs="1"/>
<!-- Block 16 Fields -->
<xsd:element name="ForeignEndUser" type="exp:ForeignEndUserType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 17 Fields -->
<xsd:element name="ManufacturerUnknown" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="Manufacturer" type="exp:ManufacturerType" minOccurs="0"
maxOccurs="unbounded"/>
<!-- Block 18 Fields -->
<xsd:element name="ForeignConsignee" type="exp:ForeignConsigneeType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 19 Fields -->
<xsd:element name="Source" type="exp:SourceType" minOccurs="1" maxOccurs="unbounded"/>
<!-- Block 20 Fields -->
<xsd:element name="ForeignIntermediateConsigneeNone" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>

```

```

        <xsd:element name="ForeignIntermediateConsignee" type="exp:ForeignIntermediateConsigneeType"
minOccurs="0" maxOccurs="unbounded"/>
        <!-- Block 21 Fields -->
        <xsd:element name="USIntermediateConsignee" type="exp:USIntermediateConsigneeType"
minOccurs="1" maxOccurs="unbounded"/>
        <!-- Block 22 Fields -->
        <xsd:element name="ForeignDestinationNone" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="ForeignDestination" type="exp:ForeignDestinationType" minOccurs="0"
maxOccurs="unbounded"/>
        <!-- Block 23 Fields -->
        <xsd:element name="PurposeReturnBlock16" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeTransshipment" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeOverhaul" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeUpgrade" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="PurposeOther" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
        <xsd:element name="SpecificPurposeDescription" type="exp:SpecificPurposeDescriptionType"
minOccurs="0" maxOccurs="1"/>
        <!-- Block 24 Fields -->
        <xsd:element name="ForeignUltimateDestination" type="exp:ForeignUltimateDestinationType"
minOccurs="1" maxOccurs="unbounded"/>
        <!-- Block 25 Fields -->
        <xsd:element name="ApplicantStatementCertification" type="exp:ApplicantStatementCertificationType"
minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
    </xsd:complexType>

    <!-- Definition of the DSP61 -->
    <xsd:element name="DSP61" type="exp:DSP61Type"/>
</xsd:schema>

```

DSP73.schema.xsd

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.state.gov/export/forms"
  xmlns="http://www.state.gov/export/forms"
  xmlns:exp="http://www.state.gov/export/forms"
  xmlns:ifs="http://northropgrumman.com/inflowsuite/submission"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
  xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"
  jaxb:extensionBindingPrefixes="xjc"
  elementFormDefault="qualified">

<!--
*****

D-TRADE DSP-73 FORM XML SCHEMA DEFINITION
VERSION 1.0

INITIAL VERSION: 3/13/2006

*****

-->

<xsd:annotation>
  <xsd:documentation>
    This is the schema for the DSP-73 form. It imports the CommonFormSchema.

    Again definitions are in alphabetical order with the exception of the DSP73 complex type
    and element definition are last.
  </xsd:documentation>
</xsd:annotation>

<xsd:annotation>
  <xsd:documentation>
    (C)Northrop Grumman Corporation. 2005. All rights reserved. No part of this
    copyrighted work may be reproduced, modified or distributed in
    any form or by any means or stored in any database or retrieval system,
    without the prior written permission of Northrop Grumman Corporation.
    Violation of copyright carries civil and criminal penalties.
  </xsd:documentation>
</xsd:annotation>

<!-- Import the common schema -->
<xsd:import namespace="http://northropgrumman.com/inflowsuite/submission"
  schemaLocation="../../common/common.schema.xsd"/>

<!-- SimpleType Definitions -->

<xsd:simpleType name="ApplicantIsType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an application is type.
      Allowable values are restricted to 'Government', 'Manufacturer' or 'Exporter'.
    
```

```

        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="Government|Manufacturer|Exporter"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ApplicantStatementCertificationType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an applicant statement certification type.
            Allowable values are restricted to 'AuthEligible' for authorized eligible, 'AuthNotEligible' for
authorized not eligible, 'NotAuthEligible', or 'NotAuthNotEligible'
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="AuthEligible|AuthNotEligible|NotAuthEligible|NotAuthNotEligible"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ApplicationRepresentsType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an application represents type.
            Allowable values are restricted to 'NewShipment' for new shipments and 'Renewal' for renewal of
previously issued license numbers.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="NewShipment|Renewal"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CertNumberType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a Certification Number value.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="126"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ConsignorType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a consignor. Value must equal "Consignor".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="Consignor"/>
    </xsd:restriction>
</xsd:simpleType>

```



```

<xsd:simpleType name="DepartureAndReturnType">
  <xsd:annotation>
    <xsd:documentation>
      Defines the departure and return type of the commodity.
      Allowable values are restricted to 'Single' a single departure and return, and 'Series' for a series of
departures and returns.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="Single|Series"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ForeignIntermediateConsigneeType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as an intermediate consignee. Value must equal
"IntermediateConsignee".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="IntermediateConsignee"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LicenseIDType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a license id value.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="9"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LicenseRenewalType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a application unshipped license. Value must
equal "appunshippedlicense".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="RenewalLicense"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LongDescriptionType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a description for lengths up to 100 characters.
    </xsd:documentation>
  </xsd:annotation>

```

```

        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="100"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="ManufacturerTypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a manufacturer. Value must equal
                "Manufacturer".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="Manufacturer"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="PortDescriptionType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a port description.
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="35"/>
            <xsd:minLength value="1"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="RelatedLicenseBlock4TypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a licensed country. Value must equal
                "licensedcountry".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="LicensedBlock4"/>
        </xsd:restriction>
    </xsd:simpleType>

    <xsd:simpleType name="RelatedLicenseDeniedTypeType">
        <xsd:annotation>
            <xsd:documentation>
                Fixed-value element used to identify an entity as a licensed country. Value must equal
                "licensedcountry".
            </xsd:documentation>
        </xsd:annotation>
        <xsd:restriction base="xsd:string">
            <xsd:pattern value="Denied"/>
        </xsd:restriction>
    </xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseOtherCountryType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a licensed country. Value must equal
"licensedcountry".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="LicensedOtherCountry"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RelatedLicenseReturnedWithoutActionType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a licensed country. Value must equal
"licensedcountry".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="ReturnedWithoutAction"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="RoleType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a role type.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="126"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="ShortDescriptionType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a short description value.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="50"/>
    <xsd:minLength value="1"/>
  </xsd:restriction>
</xsd:simpleType>

```

```

<xsd:simpleType name="SourceType">
  <xsd:annotation>
    <xsd:documentation>
      Fixed-value element used to identify an entity as a source. Value must equal "Source".
    </xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:string">

```

```

        <xsd:pattern value="Source"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="TemporaryForeignConsigneeType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a foreign consignee. Value must equal
"ForeignConsignee".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="TempForeignConsignee"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="TemporaryForeignEndUserType">
    <xsd:annotation>
        <xsd:documentation>
            Fixed-value element used to identify an entity as a foreign end user. Value must equal
"TempForeignEndUser".
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:pattern value="TempForeignEndUser"/>
    </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="TransactionIDType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a transaction id type - unique identifier used for tracking purposes by external system
submitting the case.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="40"/>
        <xsd:minLength value="1"/>
    </xsd:restriction>
</xsd:simpleType>

<!-- Complex Type Definitions -->
<xsd:complexType name="AircraftOrVesselInformationType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an aircraft or vessel.
            SequenceNumber must be unique across all AircraftOrVesselInformationType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>

```

```

    <xsd:element name="RegistrationNumber" type="exp:LongDescriptionType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="VesselName" type="exp:LongDescriptionType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="RegistrationDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Make" type="exp:LongDescriptionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Model" type="exp:LongDescriptionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="SerialNumber" type="exp:LongDescriptionType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Address" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Commander" type="exp:CommanderType" minOccurs="1"
maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="ApplicantContactType">
    <xsd:annotation>
      <xsd:documentation>
        Defines an application contact (name, phone, extension).
        SequenceNumber must be unique across all ApplicantContactType entries.
        This is currently not enforced via unique constraints in the schema, but is enforced by the software
        (duplicate SequenceNumber values will cause an error).
      </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="CommanderType">
    <xsd:annotation>
      <xsd:documentation>
        Defines a commander.
        SequenceNumber must be unique across all CommanderType entries.
        This is currently not enforced via unique constraints in the schema, but is enforced by the software
        (duplicate SequenceNumber values will cause an error).
      </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
      <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="CertificationNumber" type="exp:CertNumberType" minOccurs="1"
maxOccurs="1"/>
      <xsd:element name="Address" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
      <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>

```

```

        <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CommodityCategoryType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a usml commodity category. This common category data is inherited by
CommodityType.
        </xsd:documentation>
    </xsd:annotation>
    <xsd:sequence>
        <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
        <xsd:element name="USMLCategory" type="ifs:USMLCategoryType"/>
        <xsd:element name="USMLSubCategory" type="ifs:USMLSubCategoryType"/>
        <xsd:element name="CommodityCode" type="ifs:CommodityCodeType" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CommodityType">
    <xsd:annotation>
        <xsd:documentation>
            Defines a commodity.
            Inherits CommodityCategoryType fields for USML category info. Includes additional fields for
commodity information.
            SequenceNumber must be unique across all CommodityType entries.
            This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
        </xsd:documentation>
    </xsd:annotation>
    <xsd:complexContent>
        <xsd:extension base="exp:CommodityCategoryType">
            <xsd:sequence>
                <xsd:element name="Quantity" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
                <xsd:element name="UnitOfMeasure" type="ifs:UnitOfMeasureType" minOccurs="1"
maxOccurs="1"/>
                <xsd:element name="CommodityDescription" type="ifs:CommodityDescriptionType"
minOccurs="1" maxOccurs="1"/>
                <xsd:element name="MonetaryValue" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
                <xsd:element name="UnitPrice" type="ifs:DecimalType" minOccurs="1"
maxOccurs="1"/>
            </xsd:sequence>
        </xsd:extension>
    </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ConsignorType">
    <xsd:annotation>
        <xsd:documentation>
            Defines an US consignee type. Inherits ForeignLocationType fields. Includes one additional field,
which is a fixed string value defined by ConsignorTypeType.
            SequenceNumber must be unique across all ConsignorType entries.
        </xsd:documentation>
    </xsd:annotation>

```

This is currently not enforced via unique constraints in the schema, but is enforced by the software (duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:USLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ConsignorTypeType" minOccurs="1"
maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="SojournCountryType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a destination country (country code).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="CountryCode" type="ifs:ForeignCountryCodeType" minOccurs="1"
maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForeignIntermediateConsigneeType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an foreign intermediate consignee type. Inherits ForeignLocationType fields. Includes
one additional field, which is a fixed string value defined by ForeignIntermediateConsigneeTypeType.
      SequenceNumber must be unique across all ForeignEndUserType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:ForeignIntermediateConsigneeTypeType"
minOccurs="1" maxOccurs="1"/>
        <xsd:element name="Role" type="exp:RoleType" minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="ForeignLocationType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a foriegn location (street address, city, country).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>

```

```

    <xsd:element name="Name" type="ifs:NameType"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="0"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="0"/>
    <xsd:element name="CountryCode" type="ifs:ForeignCountryCodeType" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GovernmentPersonnelType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a Government Contact type.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:ShortNameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Agency" type="ifs:AgencyType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="OtherAgency" type="ifs:OtherAgencyType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="PhoneNumber" type="ifs:PhoneNumberType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="Extension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LicenseRenewalType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an unshipped license application type (sequence number, case type, license id).
      SequenceNumber must be unique across all AppUnshippedLicenseType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:LicenseRenewalTypeType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ManufacturerType">
  <xsd:annotation>
    <xsd:documentation>
      Defines a manufacturer type.
      SequenceNumber must be unique across all Manufacturer entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="Type" type="exp:ManufacturerTypeType" minOccurs="1" maxOccurs="1"/>

```



```

    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
    <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseBlock4Type">
  <xsd:annotation>
    <xsd:documentation>
      Defines an related license block 3 type.
      SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseBlock4TypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseDeniedType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an related license block 3 type.
      SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="Type" type="exp:RelatedLicenseDeniedTypeType" minOccurs="1"
maxOccurs="1"/>
    <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RelatedLicenseOtherCountryType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an related license block 3 type.
      SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
      (duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>

```

```

        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
            <xsd:element name="Type" type="exp:RelatedLicenseOtherCountryTypeType" minOccurs="1"
maxOccurs="1"/>
            <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="RelatedLicenseReturnedWithoutActionType">
        <xsd:annotation>
            <xsd:documentation>
                Defines an related license block 3 type.
                SequenceNumber must be unique across all RelatedLicenseBlock3Type entries.
                This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
            <xsd:element name="Type" type="exp:RelatedLicenseReturnedWithoutActionTypeType" minOccurs="1"
maxOccurs="1"/>
            <xsd:element name="LicenseID" type="exp:LicenseIDType" minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="SourceType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a source type.
                SequenceNumber must be unique across all Source entries.
                This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
            </xsd:documentation>
        </xsd:annotation>
        <xsd:sequence>
            <xsd:element name="Type" type="exp:SourceTypeType" minOccurs="1" maxOccurs="1"/>
            <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType" minOccurs="1"
maxOccurs="1"/>
            <xsd:element name="Name" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
            <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
            <xsd:element name="City" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
            <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
            <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0" maxOccurs="1"/>
            <xsd:element name="CountryCode" type="ifs:CountryCodeType" minOccurs="1" maxOccurs="1"/>
        </xsd:sequence>
    </xsd:complexType>

    <xsd:complexType name="TemporaryForeignConsigneeType">
        <xsd:annotation>
            <xsd:documentation>
                Defines a temporary foreign consignee type. Inherits ForeignLocationType fields. Includes one
additional field, which is a fixed string value defined by TemporaryForeignConsigneeTypeType.

```

SequenceNumber must be unique across all TemporaryForeignConsigneeType entries.

This is currently not enforced via unique constraints in the schema, but is enforced by the software (duplicate SequenceNumber values will cause an error).

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:TemporaryForeignConsigneeTypeType"
minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

<xsd:complexType name="TemporaryForeignEndUserType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an foreign end-user type. Inherits ForeignLocationType fields. Includes one additional
field, which is a fixed string value defined by TemporaryForeignEndUserTypeType.
      SequenceNumber must be unique across all TemporaryForeignEndUserType entries.
      This is currently not enforced via unique constraints in the schema, but is enforced by the software
(duplicate SequenceNumber values will cause an error).
    </xsd:documentation>
  </xsd:annotation>
  <xsd:complexContent>
    <xsd:extension base="exp:ForeignLocationType">
      <xsd:sequence>
        <xsd:element name="Type" type="exp:TemporaryForeignEndUserTypeType"
minOccurs="1" maxOccurs="1"/>
      </xsd:sequence>
    </xsd:extension>
  </xsd:complexContent>
</xsd:complexType>

```

```

<xsd:complexType name="USLocationType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an U.S. location type (street address).
      Serves as the base type for U.S. sellers and consigners.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
    <xsd:element name="Name" type="ifs:NameType"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="0"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="0"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="USLocationType">
  <xsd:annotation>
    <xsd:documentation>
      Defines an U.S. location type (street address).
      Serves as the base type for U.S. sellers and consigners.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="SequenceNumber" type="ifs:SequenceNumberType"/>
    <xsd:element name="Name" type="ifs:NameType"/>
    <xsd:element name="StreetAddress" type="ifs:AddressType" minOccurs="0"/>
    <xsd:element name="City" type="ifs:CityType" minOccurs="0"/>
    <xsd:element name="StateCode" type="ifs:StateCodeType" minOccurs="0"/>
    <xsd:element name="PostalCode" type="ifs:PostalCodeType" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:complexType name="DSP73Type">
  <xsd:sequence>
    <!-- Cover Letter Fields -->

```

```

<xsd:element name="TransactionID" type="exp:TransactionIDType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ClassifiedInformation" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<!-- Block 1 Fields -->
<xsd:element name="PreparedDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
<!-- Block 2 Fields -->
<xsd:element name="ApplicantID" type="ifs:ApplicantType" minOccurs="1" maxOccurs="1"/>
<!-- Block 3 Fields -->
<xsd:element name="DepartureAndReturn" type="exp:DepartureAndReturn" minOccurs="1"
maxOccurs="1"/>
<!-- Block 4 Fields -->
<xsd:element name="SojournCountry" type="exp:SojournCountryType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 5 Fields -->
<xsd:element name="ApplicantSourceCategory" type="exp:ApplicantIsType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="ApplicantName" type="ifs:NameType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantAttention" type="ifs:AttentionType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantStreetAddress" type="ifs:AddressType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantCity" type="ifs:CityType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantStateCode" type="ifs:StateCodeType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantPostalCode" type="ifs:PostalCodeType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ApplicantPhoneNumber" type="ifs:PhoneNumberType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="ApplicantExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="HasSubsidiary" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="SubsidiaryName" type="ifs:NameType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryAttention" type="ifs:AttentionType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryStreetAddress" type="ifs:AddressType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryCity" type="ifs:CityType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryStateCode" type="ifs:StateCodeType" minOccurs="0" maxOccurs="1"/>
<xsd:element name="SubsidiaryPostalCode" type="ifs:PostalCodeType" minOccurs="0"
maxOccurs="1"/>
<xsd:element name="SubsidiaryPhoneNumber" type="ifs:PhoneNumberType" minOccurs="0"
maxOccurs="1"/>
<xsd:element name="SubsidiaryExtension" type="ifs:ExtensionType" minOccurs="0" maxOccurs="1"/>
<!-- Block 6 Fields -->
<xsd:element name="ExitPort1" type="exp:PortDescriptionType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="ExitPort2" type="exp:PortDescriptionType" minOccurs="0" maxOccurs="1"/>
<!-- Block 7 Fields -->
<xsd:element name="EntryPort1" type="exp:PortDescriptionType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="EntryPort2" type="exp:PortDescriptionType" minOccurs="0" maxOccurs="1"/>
<!-- Block 8 Fields -->
<xsd:element name="ExitDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
<!-- Block 9 Fields -->
<xsd:element name="EntryDate" type="ifs:DateType" minOccurs="1" maxOccurs="1"/>
<!-- Block 10 Fields -->
<!-- 10A -->
<xsd:element name="ApplicantContact" type="exp:ApplicantContactType" minOccurs="0"
maxOccurs="unbounded"/>
<!-- 10B -->
<xsd:element name="GovernmentPersonnel" type="exp:GovernmentPersonnelType" minOccurs="0"
maxOccurs="unbounded"/>

```

```

<!-- Block 11 Fields -->
<!-- 11A -->
<xsd:element name="ApplicationRepresents" type="exp:ApplicationRepresentsType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="LicenseRenewal" type="exp:LicenseRenewalType" minOccurs="0"
maxOccurs="18"/>
<!-- 11B -->
<xsd:element name="RelatedLicenses" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="WasLicensedBlock4" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseBlock4" type="exp:RelatedLicenseBlock4Type" minOccurs="0"
maxOccurs="18"/>
<xsd:element name="WasLicensedOtherCountry" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="RelatedLicenseOtherCountry" type="exp:RelatedLicenseOtherCountryType"
minOccurs="0" maxOccurs="18"/>
<xsd:element name="WasReturnedWithoutAction" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="RelatedLicenseReturnedWithoutAction"
type="exp:RelatedLicenseReturnedWithoutActionType" minOccurs="0" maxOccurs="18"/>
<xsd:element name="WasDenied" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="RelatedLicenseDenied" type="exp:RelatedLicenseDeniedType" minOccurs="0"
maxOccurs="18"/>
<!-- Block 12, 13, 14, 15 Fields -->
<xsd:element name="Commodity" type="exp:CommodityType" minOccurs="1"
maxOccurs="unbounded"/>
<!-- Block 16 Fields -->
<xsd:element name="TotalMonetaryValue" type="ifs:IntegerType" minOccurs="1" maxOccurs="1"/>
<!-- Block 17 Fields -->
<xsd:element name="ManufacturerUnknown" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="Manufacturer" type="exp:ManufacturerType" minOccurs="0"
maxOccurs="unbounded"/>
<!-- Block 18 Fields -->
<xsd:element name="ForeignIntermediateConsigneeNone" type="ifs:BooleanType" minOccurs="1"
maxOccurs="1"/>
<xsd:element name="ForeignIntermediateConsignee" type="exp:ForeignIntermediateConsigneeType"
minOccurs="0" maxOccurs="unbounded"/>
<!-- Block 19 Fields -->
<xsd:element name="Source" type="exp:SourceType" minOccurs="1" maxOccurs="unbounded"/>
<!-- Block 20 Fields -->
<xsd:element name="TemporaryForeignIntermediateConsigneeNone" type="ifs:BooleanType"
minOccurs="1" maxOccurs="1"/>
<xsd:element name="TemporaryForeignConsignee" type="exp:TemporaryForeignConsigneeType"
minOccurs="0" maxOccurs="unbounded"/>
<!-- Block 21 Fields -->
<xsd:element name="Consignor" type="exp:ConsignorType" minOccurs="1" maxOccurs="unbounded"/>
<!-- Block 22 Fields -->
<xsd:element name="TemporaryForeignEndUser" type="exp:TemporaryForeignEndUserType"
minOccurs="1" maxOccurs="unbounded"/>
<!-- Block 23 Fields -->
<xsd:element name="PriorApproval" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>

```

```
<xsd:element name="SpecificPurposeDescription" type="ifs:LongDescriptionType" minOccurs="1"
maxOccurs="1"/>
<!-- Block 24, 25, 26, 27, 28, 29 -->
<xsd:element name="AircraftCheck" type="ifs:BooleanType" minOccurs="1" maxOccurs="1"/>
<xsd:element name="AircraftOrVesselInformation" type="exp:AircraftOrVesselInformationType"
minOccurs="0" maxOccurs="unbounded"/>
<!-- Block 30 Fields -->
<xsd:element name="ApplicantStatementCertification" type="exp:ApplicantStatementCertificationType"
minOccurs="1" maxOccurs="1"/>
  </xsd:sequence>
</xsd:complexType>

<!-- Definition of the DSP73 -->
  <xsd:element name="DSP73" type="exp:DSP73Type"/>
</xsd:schema>
```

ATTACHMENT C

PICK LIST DISPLAY VALUE AND CORRESPONDING DATABASE VALUES

There are display values for pick lists and a corresponding value that is stored in the D-Trade database. The database values are a shortened version of the display value. The display value and the corresponding database value are specified in the form requirements. Because of the length of the USML category, USML subcategories and USML commodity codes, state and country valid values, they are listed in the following sections.

D.1 USML Category and SubCategories Pick List Values

The following is the USML categories and corresponding subcategory:

Valid USML Category	USML Category Name	Valid USML SubCategory(ies)
Pick List Display Value		Pick List Display Value
Value Stored in Database		Values Stored in Database
I	Firearms, Close Assault Weapons and Combat Shotguns	a, b, c, d, e, f, g, h, i, j
II	Guns and Armament	a, b, c, d, e, f, g, h, I, j, k, l
III	Ammunition/Ordnance	a, b, c, d(1), d(2), d(3), e, f
IV	Launch Vehicles, Guided Missiles, Ballistic Missiles, Rockets, Torpedoes, Bombs and Mines	a, b, c, d, e, f, g, h, i
V	Explosives and Energetic Materials, Propellants, Incendiary Agents, and Their Constituents	a, b, c, d, e, f, g, h, i
VI	Vessels of War and Special Naval Equipment	a, b, c, d, e, f, g
VII	Tanks and Military Vehicles	a, b, c, d, e, f, g, h, i
VIII	Aircraft and Associated Equipment	a, b, c, d, e, f, g, h, i
IX	Military Training Equipment and Training	a, b, c, d, e, f
X	Protective Personnel Equipment and Shelters	a, b, c, d, e, f
XI	Military Electronics	a(1), a(2), a(3)(i), a(3)(ii), a(3)(iii), a(3)(iv), a(3)(v), a(3)(vi), a(4), a(5), a(6), a(7), b, c, d
XII	Fire Control, Range Finder, Optical and Guidance and Control Equipment	a, b, c, d, e, f
XIII	Auxiliary Military Equipment	a, b, c, d, e, f, g, h, i, j, k, l, m
XIV	Toxicological Agents, Including Chemical Agents, Biological Agents and Associated Equipment	a, b, c, d, e, f, g, h, i, j, k, l, m, n
XV	Spacecraft Systems and Associated Equipment	a, b, c, d, e, f
XVI	Nuclear Weapons, Design and Testing Related Items	a, b, c, d, e

Valid USML Category	USML Category Name	Valid USML SubCategory(ies)
Pick List Display Value		Pick List Display Value
Value Stored in Database		Values Stored in Database
XVII	Classified Articles, Technical Data and Defense Services not Otherwise Enumerated	a
XVIII	Directed Energy Weapons	a, b, c, d, e, f, g
XX	Submersible Vessels, Oceanographic and Associated Equipment	a, b, c, d
XXI	Miscellaneous Articles	a, b

Source: PM/DTC Website/Reference Library

Effective Date: May 21, 2004
Updated Nov 15, 2004

D.2 Commodity Codes

The following is the commodity codes listed under each USML category and subcategory:

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
Ia	F0010 PISTOLS AND REVOLVERS
Ia	F0011 PISTOLS AND REVOLVERS SPARE PARTS
Ia	F0020 CARBINE (ALL TYPES)
Ia	F0030 RIFLE (NON-MILITARY, ALL TYPES)
Ia	F0040 RIFLE AR-18 (5.56MM)
Ia	F0050 RIFLE M-16 (ALL MODELS)
Ia	F0055 RIFLE M-16 SPARE PARTS AND COMPONENTS
Ia	F0060 SMALL ARMS SPARE PARTS (RIFLE AND CARBINE)
Ia	F0080 RIFLE M-14 (7.62 MM)
Ia	F0090 RIFLE AR-15
Ia	F0100 SUBMACHINE GUNS
Ia	F0101 SUBMACHINE GUN SPARES
Ia	F0110 MACHINE GUN (ALL TYPES)
Ia	F0113 TASER GUN (ALL MODELS)
Ia	F0114 TASER GUN SPARE PARTS AND COMPONENTS
Ia	F0120 MACHINE GUN SPARES
Ia	F0140 SHOTGUN (ALL TYPES)
Ia	F0490 GUN MOUNTS (ALL TYPES AND MODELS)
Ib	F0065 SCOPES (SMALL ARMS TYPE)
IIa	D0670 MORTARS (ALL MODELS)

USML Category and Subcategory	Commodity Codes
	Pick List Values and Values Stored in Database
IIa	F0160 ANTI-AIRCRAFT GUN
IIa	G0016 SP HOWITZER M109A6 PALADIN SERIES
IIa	G0100 ARTILLERY GUNS ALL SIZES AND HOWITZERS
IIa	G0110 HOWITZER, M109 SERIES (SP) 155MM
IIa	G0500 GUN, M107 SELF-PROPELLED, 175MM
IIa	G0510 HOWITZER, M110 SERIES SP 8"
IIa	G0520 HOWITZER, M198 TOWED, 155MM
IIa	G0550 GUN, AIRCRAFT, .50CAL/40MM
IIa	G0660 GUN, MACHINE MK19
IIa	G0665 GUN, MACHINE MK64
IIb	F0670 FLAME THROWER PORTABLE (ALL MODELS)
IIb	F0680 FLAME THROWER VEHICULAR
IIc	F0675 FLAME THROWER SPARE PARTS (PORTABLE)
IIc	F0685 FLAME THROWER SPARE PARTS VEHICULAR
IIc	G0017 SP HOWITZER M109A6 PALADIN SPARE PARTS
IIc	G0115 HOWITZER M109 (SP) SPARE PARTS
IIc	G0551 GUN, AIRCRAFT SPARE PARTS
IIIa	F0015 TASER GUN AMMUNITION (ALL TYPES)
IIIa	G0001 CARTRIDGES, EXPLOSIVE
IIIa	G0002 CARTRIDGES IMPULSE
IIIa	G0003 CARTRIDGES INITIATION
IIIa	G0004 CARTRIDGES TRACER
IIIa	G0005 CARTRIDGES ARTILLERY 5 INCHES AND OVER
IIIa	G0010 CARTRIDGES .22 CAL THRU .50 CAL
IIIa	G0015 CARTRIDGES 20MM THRU 40MM
IIIa	G0020 CARTRIDGES 40MM THRU 75MM
IIIa	G0025 CARTRIDGES 75MM THRU 90MM
IIIa	G0030 CARTRIDGES 105MM THRU 155MM
IIIa	G0060 MORTAR AMMUNITION (ALL SIZES)
IIIb	G0120 ARTILLERY CHARGES
IIIb	G0480 ARTILLERY FUZES
IIIc	G0000 AMMUNITION MANUFACTURING EQUIPMENT
IVa	F0175 GRENADE LAUNCHER (ALL MODELS)
IVa	F0540 TORPEDO LAUNCHER
IVa	F0550 DEPTH CHARGE LAUNCHER (ALL MODELS)
IVa	F0560 ROCKET LAUNCHER (ALL MODELS)
IVa	F0561 MLRS

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
IVa	G0050 GRENADES HAND AND WEAPON TYPES
IVa	G0150 MINES ANTI-PERSONNEL
IVa	G0151 MINES ANTI-TANK
IVa	G0152 MINES ANTI-SHIP
IVa	G0154 ANTI-AIRCRAFT
IVa	G0200 DEPTH CHARGES
IVa	G0220 BOMBS DUMMY
IVa	G0230 BOMBS PRACTICE
IVa	G0240 BOMBS MISCELLANEOUS TYPES
IVa	G0250 BOMBS FRAGMENT
IVa	G0271 BOMB DISPENSERS
IVa	G0360 ROCKETS (ALL MODELS)
IVb	B0000 MISSILE, NIKE HERCULES
IVb	B0220 MISSILE, REDEYE
IVb	B0255 MISSILE, HARPOON
IVb	B0260 MISSILE, I-HAWK
IVb	B0280 MISSILE, PATRIOT
IVb	B0286 MISSILE, ASRAAM
IVb	B0287 MISSILE, ASRAAM SPARE PARTS
IVb	B0289 MISSILE, AMRAAM
IVb	B0290 MISSILES STINGER
IVb	B0291 MISSILE, AMRAAM SPARE PARTS
IVb	B0300 MISSILE, MAULER
IVb	B0305 MISSILE, MAVERICK
IVb	B0307 MISSILE, DRAGON
IVb	B0320 MISSILE, SERGEANT
IVb	B0330 MISSILE, HELLFIRE
IVb	B0335 MISSILE, HELLFIRE SPARE PARTS
IVb	B0350 MISSILE, PERSHING
IVb	B0405 MISSILE, IKARA
IVb	B0410 MISSILE, ANTI-TANK (ALL TYPES) EXCEPT TOW
IVb	B0420 MISSILE LAUNCHERS TOW
IVb	B0440 MISSILE, TOW
IVb	B0500 MISSILE, POLARIS
IVb	B0510 MISSILE, AIM (ALL MODELS)
IVb	B0520 MISSILE, SHRIKE
IVb	B0530 MISSILE, ROCKEYE

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
IVb	B0540 MISSILE, FALCON
IVb	B0550 MISSILE, TERRIER
IVb	B0560 MISSILE, TARTAR
IVb	B0570 MISSILE, SIDEWINDER
IVb	B0580 MISSILE, HONEST JOHN
IVb	B0590 MISSILE, SHILLELAGH
IVb	B0600 MISSILE, SPARROW
IVb	B0602 MISSILE, SEA SPARROW
IVb	B0610 MISSILE, TARGET
IVb	B0620 MISSILE, BULLPUP
IVb	B0650 MISSILE LAUNCHERS (EXCLUDING TOW)
IVb	B0700 MISSILE (NON-SPECIFIC TYPES)
IVc	G0130 MINE DETECTORS
IVc	G0135 MINE CLEARING EQUIPMENT
IVc	G0181 DETONATORS
IVc	G0325 BOMB DETECTION EQUIPMENT
IVd	A6000 ENGINE (MISC MISSILE MODELS)
IVd	A7000 ENGINE (MISC ROCKETS MODELS)
IVf	B0705 MISSILE SPARE PARTS (NON-SPECIFIC TYPE)
IVh	B0010 MISSILE, NIKE SPARE PARTS
IVh	B0230 MISSILE, REDEYE SPARE PARTS AND SUPP EQUIP
IVh	B0256 MISSILE HARPOON SPARE PARTS AND SUPP EQUIP
IVh	B0270 MISSILE, I-HAWK SPARE PARTS AND SUP EQUIP
IVh	B0285 MISSILE, PATRIOT SPARE PARTS AND SUP EQUIP
IVh	B0295 MISSILES STINGER SPARE PARTS AND SUP EQUIP
IVh	B0297 MISSILES LAUNCHERS STINGER
IVh	B0306 MISSILE, MAVERICK SPARE PARTS AND SUP EQUIP
IVh	B0308 MISSILE, DRAGON SPARE PARTS AND SUP EQUIP
IVh	B0310 MISSILE, MAULER SPARE PARTS AND SUP EQUIP
IVh	B0325 MISSILE, SERGEANT SPARE PARTS AND SUP EQUIP
IVh	B0355 MISSILE PERSHING SPARE PARTS AND SUP EQUIP
IVh	B0406 MISSILE, IKARA SPARE PARTS AND SUP EQUIP
IVh	B0411 ANTI-TANK MISSILE SPARE PARTS AND SUP EQUIP
IVh	B0441 MISSILE, TOW SPARE PARTS AND SUP EQUIP
IVh	B0505 MISSILE, POLARIS SPARE PARTS AND SUP EQUIP
IVh	B0515 MISSILE, AIM SPARE PARTS AND SUP EQUIP
IVh	B0525 MISSILE, SHRIKE SPARE PARTS AND SUP EQUIP

USML Category and Subcategory	Commodity Codes
	Pick List Values and Values Stored in Database
IVh	B0535 MISSILE, ROCKEYE SPARE PARTS AND SUP EQUIP
IVh	B0545 MISSILE, FALCON SPARE PARTS AND SUP EQUIP
IVh	B0555 MISSILE, TERRIER SPARE PARTS AND SUP EQUIP
IVh	B0565 MISSILE, TARTAR SPARE PARTS AND SUP EQUIP
IVh	B0575 MISSILE SIDEWINDER SPARE PARTS AND SUP EQU
IVh	B0585 MISSILE, HONEST JOHN SPARE PARTS AND SUP EQ
IVh	B0595 MISSILE, SHILLELAGH SPARE PARTS AND SUP EQU
IVh	B0603 MISSILE, SEA SPARROW SPARE PARTS
IVh	B0605 MISSILE, SPARROW SPARE PARTS AND SUP EQUIP
IVh	B0615 MISSILE, TARGET SPARE PARTS AND SUP EQUIP
IVh	B0625 MISSILE, BULLPUP SPARE PARTS AND SUP EQUIP
IVh	B0655 MISSILE LAUNCHER SPARE PARTS AND SUP EQUIP
IVh	F0180 GRENADE LAUNCHER SPARE PARTS
IVh	F0545 TORPEDO LAUNCHER COMPONENTS AND SPARE PART
IVh	F0556 DEPTH CHARGE LAUNCHER SPARE PARTS
IVh	F0565 ROCKET LAUNCHER COMPONENTS AND SPARE PARTS
IVh	G0153 MINE COMPONENTS AND SPARE PARTS
IVh	G0215 TORPEDOES SPARE PARTS AND SUPP EQUIP
IVh	G0320 BOMB COMPONENTS AND SPARE PARTS
IVh	G0365 ROCKETS COMPONENTS AND SPARE PARTS
IXa	A1345 FLIGHT SIMULATORS, ALL TYPES
IXa	C0845 TRAINING EQUIPMENT (ALL TYPES)
IXa	F1350 SIMULATORS (EXCLUDING FLIGHT)
IXb	C0850 TRAINING EQUIP COMPONENTS AND SPARE PARTS
IXb	C0855 TRAINING EQUIP AND SPARES - OSCE MISSION
Va	G0180 EXPLOSIVES
Vb	G0170 FUEL THICKENERS
Vc	G0160 PROPELLANTS
Vd	G0460 PYROTECHNICS
VIa	C0420 PATROL BOAT
VIb	C0421 PATROL BOAT COMPONENTS AND SPARE PARTS
VIb	C0425 PATROL BOAT SPARE PARTS
VIb	C0860 SHIP COMPONENTS AND SPARE PARTS
VIb	F0730 WEAPONS SPARE PARTS AND COMPONENTS
VIb	F0735 ADVANCED NAVAL WEAPONS SYSTEMS
VIIa	D0000 ARMORED PERSONNEL CARRIERS (MISC TYPES)
VIIa	D0010 ARMORED PERSONNEL CARRIER M-113

USML Category and Subcategory	Commodity Codes
	Pick List Values and Values Stored in Database
VIIa	D0020 ARMORED PERSONNEL CARRIER M-113A1
VIIa	D0240 ARMORED CARS (MISC TYPES)
VIIa	D1300 TANK ENGINE, AGT-1500 (M1TANK SERIES)
VIIa	D1301 TANK ENGINE, AVDS-1790 (M60A1 TANK)
VIIa	D1302 TRANSMISSION, HMPT 500-3 BRADLEY
VIIa	D1303 VEHICLE, AAV7A1/AAVAI ASSUALT AMPHIBIOUS
VIIa	D1304 VEHICLE, LAV-25 SERIES LIGHT ARMORED
VIIa	D1305 VEHICLE, LAV-LOGISTICS
VIIa	D1306 VEHICLE, LAV-RECOVERY
VIIa	D1307 VEHICLE, LAV-MORTAR
VIIa	D1308 VEHICLE, LAV-CMD/CONTROL
VIIa	D1309 VEHICLE, LAV-ANTITANK
VIIa	D1311 VEHICLE, LAV-25 TURRET
VIIa	D1312 VEHICLE, M2 INFANTRY FIGHTING (IFV)
VIIa	D1313 VEHICLE, M3 CAVALRY FIGHTING (CFV)
VIIa	D1314 VEHICLE, M88 SERIES RECOVERY
VIIa	D1315 VEHICLE, CARRIER, M741 VULCAN
VIIa	D1316 VEHICLE, CARRIER, M730 CHAPARRAL
VIIa	D1317 VEHICLE, FIRE DIRECTION CONTROL CENTER
VIIa	D1318 VEHICLE, LAV-30 TURRET
VIIa	F1310 VEHICLE, LAV-BASELINE
VIIb	A6006 ENGINE, T700-GE-401/401A
VIIb	D1260 TANK (LIGHT MEDIUM HEAVY) ALL MODELS
VIIb	D1261 TANK, MI SERIES ABRAMS
VIIb	D1262 TANK, M48 SERIES
VIIb	D1263 TANK, M60 SERIES
VIIb	D1264 AIR DEFENSE SYSTEM, M163 AND M167 VULCAN
VIIc	D0250 SELF-PROPELLED HOWITZERS (ALL MODELS)
VIIId	E0020 VEHICLES MILITARY (MISCELLANEOUS TYPES)
VIIId	E0030 TRUCKS MILITARY (ALL MODELS)
VIIg	A3110 ENGINE TURBINE T-53/L ARMORED VEHICLES
VIIg	A3170 ENGINE TURBINE T-55/L ARMORED VEHICLES
VIIg	A4000 ENGINE DIESEL (ALL MODELS)
VIIg	D1270 TANK ENGINE (ALL MODELS)
VIIh	D0005 ARMORED VEHICLE SPARE PARTS AND SUP EQUIP
VIIh	D0015 ARMORED PERSONNEL CARRIER M-113 SPARE PA
VIIh	D0025 ARMORED PERSONNEL CARRIER M-113A1 PARTS

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
VIIh	D0255 SELF-PROPELLED HOWITZERS SPARE PARTS
VIIh	D1265 TANK COMPONENTS AND SPARE PARTS
VIIh	D1266 AIR DEFENSE SYS VULCAN SPARE PARTS
VIIh	D4010 TRANSMISSION - MILITARY VEHICLES
VIIh	E0010 VEHICLE MILITARY COMPONENTS AND SPARES
VIIh	E0035 TRUCKS MILITARY COMPONENTS AND SPARES
VIIIa	A0001 AIRCRAFT, UNCLASSIFIABLE
VIIIa	A0003 AIRCRAFT, C-23 METROLINER, MODIFIED
VIIIa	A0030 AIRCRAFT ATTACK A-37 SERIES
VIIIa	A0050 AIRCRAFT ATTACK A-4 SERIES
VIIIa	A0120 AIRCRAFT ATTACK A-5 SERIES
VIIIa	A0140 AIRCRAFT ATTACK A-6 SERIES
VIIIa	A0160 AIRCRAFT ATTACK A-7 SERIES
VIIIa	A0175 AIRCRAFT ATTACK AV-8 SERIES
VIIIa	A0200 AIRCRAFT BOMBERS, MODIFIED TO COMMERCIAL
VIIIa	A0300 AIRCRAFT FIGHTER F-101 SERIES
VIIIa	A0320 AIRCRAFT FIGHTER RF-100 SERIES
VIIIa	A0330 AIRCRAFT FIGHTER RF-101 SERIES
VIIIa	A0350 AIRCRAFT FIGHTER F-102 SERIES
VIIIa	A0370 AIRCRAFT FIGHTER F-100 SERIES
VIIIa	A0430 AIRCRAFT FIGHTER F-104 SERIES
VIIIa	A0480 AIRCRAFT FIGHTER F-111 SERIES
VIIIa	A0680 AIRCRAFT FIGHTER F-4 SERIES
VIIIa	A0690 AIRCRAFT FIGHTER RF-4 SERIES
VIIIa	A0790 AIRCRAFT FIGHTER F-5 SERIES
VIIIa	A0870 AIRCRAFT FIGHTER F-8 SERIES
VIIIa	A0881 AIRCRAFT FIGHTER F-15 SERIES
VIIIa	A0883 AIRCRAFT FIGHTER F-16 SERIES
VIIIa	A0885 AIRCRAFT FIGHTER F-14 SERIES
VIIIa	A0887 AIRCRAFT FIGHTER F-18 SERIES
VIIIa	A0900 AIRCRAFT TIGERSHARK F-20 SERIES
VIIIa	A0920 AIRCRAFT ASW S-2 SERIES
VIIIa	A0980 AIRCRAFT CARGO C-119 SERIES
VIIIa	A1110 AIRCRAFT CARGO C-130 SERIES
VIIIa	A1150 AIRCRAFT CARGO C-5 SERIES
VIIIa	A1160 AIRCRAFT CARGO C-135 SERIES
VIIIa	A1220 AIRCRAFT CARGO C-140 SERIES

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
VIIIa	A1225 AIRCRAFT PATROL CP-140 SERIES
VIIIa	A1340 AIRCRAFT COMMERCIAL 707-320 SERIES
VIIIa	A1350 AIRCRAFT TRAINER T-33 SERIES
VIIIa	A1370 AIRCRAFT TRAINER T-28 SERIES
VIIIa	A1430 AIRCRAFT TRAINER T-34 SERIES
VIIIa	A1460 AIRCRAFT TRAINER T-37 SERIES
VIIIa	A1490 AIRCRAFT TRAINER T-38 SERIES
VIIIa	A1650 HELICOPTER CH-3 SERIES
VIIIa	A1670 HELICOPTER CH-46 SERIES
VIIIa	A1690 HELICOPTER CH-47 SERIES
VIIIa	A1710 HELICOPTER CH-19 SERIES
VIIIa	A1720 HELICOPTER CH-21 SERIES
VIIIa	A1740 HELICOPTER CH-53 SERIES
VIIIa	A1760 HELICOPTER CH-34 SERIES
VIIIa	A1770 HELICOPTER 205A-BELL SERIES
VIIIa	A1773 HELICOPTER 206A-BELL SERIES
VIIIa	A1780 HELICOPTER HH-34 SERIES
VIIIa	A1790 HELICOPTER HH-43 SERIES
VIIIa	A1800 HELICOPTER HU-16 SERIES
VIIIa	A1815 HELICOPTER AH-1 SERIES
VIIIa	A1818 HELICOPTER, AH-64D APACHE
VIIIa	A1820 HELICOPTER HH-1 SERIES
VIIIa	A1830 HELICOPTER HH-19 SERIES
VIIIa	A1840 HELICOPTER UH-21 SERIES
VIIIa	A1850 HELICOPTER S-70A SERIES
VIIIa	A1860 HELICOPTER S-61 SERIES
VIIIa	A1862 HELICOPTER HH-52 SERIES
VIIIa	A1864 HELICOPTER OH-23 SERIES
VIIIa	A1870 HELICOPTER OH-13 SERIES
VIIIa	A1875 HELICOPTER OH-58 SERIES
VIIIa	A1883 HELICOPTER OH-6 SERIES
VIIIa	A1886 HELICOPTER OH-50 SERIES
VIIIa	A1888 HELICOPTER SH-34 SERIES
VIIIa	A1890 HELICOPTER SH-3 ASW SERIES
VIIIa	A1895 HELICOPTER TH-13 SERIES
VIIIa	A1897 HELICOPTER UH-19 SERIES
VIIIa	A1900 HELICOPTER UH-34 SERIES

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
VIIIa	A1910 HELICOPTER UH-2 SERIES
VIIIa	A1920 HELICOPTER UH-25 SERIES
VIIIa	A1925 HELICOPTER MD500 SERIES
VIIIa	A1940 HELICOPTER UH-1 SERIES
VIIIa	A1960 HELICOPTER UH-60 SERIES
VIIIa	A1970 HELICOPTER UH-18 SERIES
VIIIa	A2010 AIRCRAFT UTILITY HU-16 SERIES
VIIIa	A2020 AIRCRAFT AEW E-1 SERIES
VIIIa	A2030 AIRCRAFT AEW E-2 SERIES
VIIIa	A2040 AIRCRAFT ASW E-3 SERIES
VIIIa	A2060 AIRCRAFT GLIDERS ALL TYPES
VIIIa	A2070 AIRCRAFT OBSERVATION O-1 SERIES
VIIIa	A2080 AIRCRAFT OBSERVATION O-2 SERIES
VIIIa	A2090 AIRCRAFT STOL OV10A COIN
VIIIa	A2100 HELICOPTERS UNCLASSIFIABLE
VIIIa	A2200 AIRCRAFT PATROL P-1 SERIES
VIIIa	A2210 AIRCRAFT PATROL P-2 SERIES
VIIIa	A2220 AIRCRAFT PATROL P-3 SERIES
VIIIa	A2230 AIRCRAFT PATROL P-4 SERIES
VIIIa	A2240 AIRCRAFT PATROL P-5 SERIES
VIIIa	A2250 AIRCRAFT AERIAL REFUELING
VIIIa	A2280 DRONES TARGET MISSILE AND AIRCRAFT
VIIIa	A2300 HELICOPTER SIKORSKY SERIES
VIIIa	A2310 HELICOPTER S-70B SERIES
VIIIa	A2320 HELICOPTER S-70C SERIES
VIIIa	A3810 AIRCRAFT, V-22 TILTROTOR
VIIIa	A8000 AIRCRAFT, 767 AWACS
VIIIa	J0170 BREATHING EQUIP (AIRBORNE MODELS)
VIIIb	A2460 ENGINE JET J-34 SERIES
VIIIb	A2470 ENGINE JET J-57 SERIES
VIIIb	A2475 ENGINE JET J-58 SERIES
VIIIb	A2480 ENGINE JET J-79 SERIES
VIIIb	A2490 ENGINE JET J-85 SERIES
VIIIb	A2540 ENGINE JET T-53 SERIES
VIIIb	A2550 ENGINE JET T-58 SERIES
VIIIb	A2570 ENGINE JET T-64 SERIES
VIIIb	A2620 ENGINE TURBINE T-55 SERIES

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
VIIIb	A2630 ENGINE TURBINE T-62 SERIES
VIIIb	A2650 ENGINE JET T-76 SERIES
VIIIb	A2670 ENGINE JET J-33 SERIES
VIIIb	A2680 ENGINE JET J-35 SERIES
VIIIb	A2710 ENGINE JET J-47 SERIES
VIIIb	A2715 ENGINE JET J-52 SERIES
VIIIb	A2720 ENGINE JET J-65 SERIES
VIIIb	A2740 ENGINE JET J-69 SERIES
VIIIb	A2780 ENGINE JET T-56 SERIES
VIIIb	A3045 ENGINE JET T-74 SERIES
VIIIb	A3065 ENGINE JET F-100 SERIES - F-15 F-16
VIIIb	A3073 ENGINE JET T-80 SERIES
VIIIb	A3100 ENGINE JET F-110 SERIES
VIIIb	A5000 ENGINE (MISC AIRCRAFT MODELS)
VIIIb	A6001 ENGINE, CFM-56
VIIIb	A6002 ENGINE, CT7-2A/2D
VIIIb	A6003 ENGINE, CT7-5A/7A
VIIIb	A6004 ENGINE, DT7-6/9
VIIIb	A6005 ENGINE, T700-GE-700
VIIIb	A6007 ENGINE, T700-GE-401C
VIIIb	A6008 ENGINE, T700-GE-701/701A/701A1
VIIIb	A6009 ENGINE, T700-GE-701C
VIIIb	A7010 ENGINE, JET F-404
VIIIb	A7016 ENGINE, JET F-402
VIIId	J0210 PARACHUTES (AIRCRAFT EJECTION)
VIIIe	H0184 INERTIAL MEASUREMENT UNIT
VIIIg	H0182 INERTIAL NAVIGATION SYSTEMS (ALL MODELS)
VIIIh	A0004 AIRCRAFT CARGO C-17 SPARE PARTS
VIIIh	A0010 AIRCRAFT SPARE PARTS MISCELLANEOUS
VIIIh	A0884 AIRCRAFT FIGHTER F-16 SPARE PARTS
VIIIh	A1695 HELICOPTER CH-47D SPARE PARTS
VIIIh	A2315 HELICOPTER S-70B SPARE PARTS
VIIIh	A2325 HELICOPTER S-70C SPARE PARTS
VIIIh	A2476 ENGINE JET J-58 SPARE PARTS
VIIIh	A2580 ENGINE JET T-64 SPARE PARTS
VIIIh	A2640 ENGINE TURBINE T-62 SPARE PARTS
VIIIh	A2660 ENGINE JET T-76 SPARE PARTS

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
VIIIh	A2716 ENGINE JET J-52 SPARE PARTS
VIIIh	A2790 ENGINE JET J-33 SPARE PARTS
VIIIh	A2800 ENGINE JET J-34 SPARE PARTS
VIIIh	A2810 ENGINE JET J-35 SPARE PARTS
VIIIh	A2820 ENGINE JET J-47 SPARE PARTS
VIIIh	A2850 ENGINE JET J-57 SPARE PARTS
VIIIh	A2890 ENGINE JET J-65 SPARE PARTS
VIIIh	A2900 ENGINE JET J-69 SPARE PARTS
VIIIh	A2910 ENGINE JET J-73 SPARE PARTS
VIIIh	A2940 ENGINE JET J-85 SPARE PARTS
VIIIh	A2970 ENGINE JET T-53 SPARE PARTS
VIIIh	A2980 ENGINE JET T-55 SPARE PARTS
VIIIh	A3000 ENGINE SPARE PARTS AND COMPONENTS MISC
VIIIh	A3020 ENGINE JET T-56 SPARE PARTS
VIIIh	A3030 ENGINE JET T-58 SPARE PARTS
VIIIh	A3040 ENGINE JET T-63 SPARE PARTS
VIIIh	A3050 ENGINE JET T-74 SPARE PARTS
VIIIh	A3066 ENGINE JET F-100 SPARE PARTS
VIIIh	A3075 ENGINE JET J-79 SPARE PARTS
VIIIh	A3105 ENGINE JET F-110 SPARE PARTS
VIIIh	A6010 ENGINE, T700 SPARE PARTS
VIIIh	A7011 ENGINE, JET F-414 GE400 SPARE PARTS
VIIIh	A7015 ENGINE JET F-404 SPARE PARTS
VIIIi	E0070 AIR CUSHION VEHICLE (LAND TYPES)
VIIIi	T0008 TECHNICAL DATA CATEGORY VIII
Xa	J0180 HELMETS PILOT (ALL MODELS)
Xa	J0182 HEADSETS COMMUNICATIONS (ALL MODELS)
Xa	J0190 ARMORED VESTS (PERSONNEL)
Xc	J0195 PROTECTIVE EQUIP (SUITS,GLOVES,ETC)
Xd	J0200 PROTECTIVE EQUIP COMPONENT PARTS
XIa	A0005 AIR TRAFFIC CONTROL SYSTEMS
XIa	G0195 TORPEDO COUNTERMEASURES EQUIPMENT
XIa	H0015 COMPUTER COMPONENTS AND SPARE PARTS
XIa	H0170 NAVIGATION SYSTEMS (SHIPBOARD ALL MODEL)
XIa	H0930 STORES MANAGEMENT SYSTEM
XIa	H1020 IDENTIFICATION FRIEND OR FOE IFF SYSTEM
XIa	H1040 RADAR SYSTEMS (AIRBORNE MODELS)

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
XIa	H1045 RADAR SYSTEMS (GROUND FIXED AND PORTABLE)
XIa	H2000 SONAR SYSTEMS (AN/AQS SERIES)
XIa	H2005 SONAR SYSTEMS (AN/BQG SERIES)
XIa	H2010 SONAR SYSTEMS (AN/BQQ SERIES)
XIa	H2015 SONAR SYSTEMS (AN/BQR SERIES)
XIa	H2020 SONAR SYSTEMS (AN/BQS SERIES)
XIa	H2025 SONAR SYSTEMS (AN/DE SERIES)
XIa	H2030 SONAR SYSTEMS (AN/SQA SERIES)
XIa	H2035 SONAR SYSTEMS (AN/SQG SERIES)
XIa	H2040 SONAR SYSTEMS (AN/SQR SERIES)
XIa	H2045 SONAR SYSTEMS (AN/SQS SERIES)
XIa	H2050 SONAR SYSTEMS (AN/SSQ SERIES)
XIa	M6200 INFRARED DETECTORS
XIb	H0200 ELECTRONIC WARFARE SYSTEMS (ALL MODELS)
XIc	H0190 HEAD-UP DISPLAYS (ALL MODELS)
XIc	H0195 ADVANCED SPEED INTEGRATED CIRCUITS
XIc	H0205 ACOUSTIC PROCESSORS (ALL MODELS)
XIc	H0895 RADIO SET (COMPONENTS AND SPARE PARTS)
XIc	J0000 ELECTRONICS COMPONENTS AND SPARE PARTS
XIIa	F0580 FIRE CONTROL SYSTEM (SHIP BOARD)
XIIa	F0590 FIRE CONTROL SYSTEM (AIRBORNE)
XIIa	F0600 FIRE CONTROL SYSTEM (VEHICLE MOUNTED)
XIIa	F0705 PERISCOPE (HAND HELD MODELS)
XIIa	F0710 PERISCOPE (LAND VEHICLE MOUNTED)
XIIa	F0714 ANTIOSCILLATOR
XIIa	F0715 PERISCOPE (SUBMARINE MODELS)
XIIa	F1521 POSITION LOCATION REPORTING SYSTEM(PLRS)
XIIa	H1250 NIGHT VISION SCOPES (HAND HELD)
XIIa	H1252 NIGHT VISION GOGGLES
XIIa	H1253 NIGHT VISION,AN/PVS-5 GOGGLES
XIIa	H1265 HYPERMINISCOPES
XIIa	H1330 NIGHT VISION SCOPES (CREW SERVE WEAPONS)
XIIa	J0500 GYROCOMPASSES
XIIa	J0857 LASERS (ALL MODELS)
XIIa	L6000 IMAGE INTENSIFIERS
XIIa	L6004 THERMAL IMAGERS
XIIa	M6100 INFRARED VIEWERS

USML Category and Subcategory	Commodity Codes
	Pick List Values and Values Stored in Database
XIIa	M6300 FORWARD LOOKING INFRARED (FLIR) SYSTEMS
XIIb	G0310 BOMB GUIDANCE KITS
XIIb	J0855 RANGE FINDERS (LASER TYPE)
XIIb	M6400 TARGET ACQUISITION SYSTEMS
XIIc	F0585 FIRE CONTROL SYSTEM PARTS AND COMPONENTS
XIIc	F0700 PERISCOPE SPARE PARTS AND COMPONENTS
XIIc	H1251 NIGHT VISION SCOPES SPARES AND COMPONENTS
XIIc	H1254 NIGHT VISION, AN/PVS-7A/B GOGGLES
XIIc	H1256 NIGHT VISION, AN/PVS-13 SIGHT GEN III
XIIc	J0505 GYROCOMPASS COMPONENTS AND SPARE PARTS
XIIc	J0858 LASER COMPONENTS AND SPARE PARTS
XIIc	J0860 RANGE FINDERS SPARE PARTS (LASER TYPE)
XIIc	L2505 GYROSCOPE COMPONENTS AND SPARE PARTS
XIIc	L6005 IMAGE INTENSIFIER SPARE PARTS
XIIc	M6105 INFRARED VIEWER SPARE PARTS
XIIc	M6110 INFRARED GLOW STICKS
XIIc	M6305 FORWARD LOOKING INFRARED (FLIR) PARTS
XIIId	H0185 INERTIAL REFERENCE SYSTEMS (ALL MODELS)
XIIId	L2500 GYROSCOPES
XIIIa	J0095 AERIAL MAPPING EQUIPMENT
XIIIa	J0100 AERIAL CAMERAS
XIIIa	J0101 CAMERA SETS
XIIIa	J0105 AERIAL CAMERA SPARE PARTS
XIIIa	J0166 PHOTOGRAPHIC EQUIP AND SPARE PARTS
XIIIb	H1225 SPEECH AND VOICE SCRAMBLERS
XIIIb	H1230 SPEECH AND VOICE SCRAMBLERS COMPONENTS
XIIIb	H1445 DATA PRIVACY DEVICES
XIIIb	H1450 DATA PRIVACY DEVICES COMPONENTS AND SPARES
XIIIb	H1455 AUTOMATED TELLER MACHNINES/COMPONENTS
XIIIb	H1460 CRYPTO MACHINES
XIIIb	H1465 CRYPTO EQUIP COMPONENTS AND SPARE PARTS
XIIIb	H1470 SOFTWARE XIIIb
XIIIc	J0165 BREATHING EQUIP (UNDERWATER MODELS)
XIIIId	J0040 ARMOR PLATE
XIIIj	H0080 SYSTEMS SIGNATURE EQUIPMENT
XIIIj	H0085 SYSTEMS SIGNATURE EQUIP COMPONENTS
XIVa	G0440 RIOT CONTROL CHEMICALS (ANTI-PERS)

USML Category and Subcategory	Commodity Codes
Pick List Values and Values Stored in Database	
XIVb	G0430 CHEMICAL AGENTS AND HERBICIDES
XIVc	G0435 CHEMICAL AGENT DISPENSING EQUIPMENT
XIVc	G0450 CHEMICAL AGENT DETECTION EQUIPMENT
XIVc	G0455 DECONTAMINATION KIT
XIVe	J0175 BREATHING EQUIP (GAS MASKS ETC)
XVa	A3195 SATELLITES
XVa	A3752 COMMERCIAL COMMUNICATIONS SATELLITE
XVa	A3753 REMOTE SENSING SATELLITE
XVa	A3754 GOVT COMMUNICATIONS SATELLITE
XVa	A3755 MULTI-MISSION SATELLITE
XVa	A3756 SCIENTIFIC, RESEARCH OR EXP. SATELLITE
XVb	A3757 GROUND CONTROL FOR TRACKING,TELEMETRY
XVc	A3197 GLOBAL POSITIONING SYSTEM (GPS) EQUIP
XVd	A3200 SATELLITES EQUIPMENT SPARE PARTS
XVd	A3600 SPACE STATION COMPONENTS
XVd	A3700 SPACECRAFT SYSTEMS AND COMPONENTS
XVd	A3758 RADIATION HARDENED MICRO ELEC. CIRCUITS
XVf	T0015 TECHNICAL DATA CAT XV

D.4 State Pick List Values

The following is the list of state codes and corresponding:

Rev 2.0 Nov 19, 2004

Alphabetized by State

State Code	State
Value Stored in Database	Value Displayed in Pick List
AL	ALABAMA
AS	AMERICAN SAMOA
AZ	ARIZONA
AR	ARKANSAS
CA	CALIFORNIA
CO	COLORADO
CT	CONNECTICUT
DE	DELAWARE
DC	DISTRICT OF COLUMBIA
FM	FEDERATED STATES OF MICRONESIA
FL	FLORIDA
GA	GEORGIA
GU	GUAM
HI	HAWAII
ID	IDAHO
IL	ILLINOIS
IN	INDIANA
IA	IOWA
KS	KANSAS
KY	KENTUCKY
LA	LOUISIANA
ME	MAINE
MH	MARSHALL ISLANDS
MD	MARYLAND
MA	MASSACHUSETTS
MI	MICHIGAN
MN	MINNESOTA
MS	MISSISSIPPI

Alphabetized by State Code

State Code	State
Value Stored in Database	Value Displayed in Pick List
AL	ALABAMA
AR	ARKANSAS
AS	AMERICAN SAMOA
AZ	ARIZONA
CA	CALIFORNIA
CO	COLORADO
CT	CONNECTICUT
DC	DISTRICT OF COLUMBIA
DE	DELAWARE
FL	FLORIDA
FM	FEDERATED STATES OF MICRONESIA
GA	GEORGIA
GU	GUAM
HI	HAWAII
IA	IOWA
ID	IDAHO
IL	ILLINOIS
IN	INDIANA
KS	KANSAS
KY	KENTUCKY
LA	LOUISIANA
MA	MASSACHUSETTS
MD	MARYLAND
ME	MAINE
MH	MARSHALL ISLANDS
MI	MICHIGAN
MN	MINNESOTA
MO	MISSOURI

Alphabetized by State

State Code	State
Value Stored in Database	Value Displayed in Pick List
MO	MISSOURI
MT	MONTANA
NE	NEBRASKA
NV	NEVADA
NH	NEW HAMPSHIRE
NJ	NEW JERSEY
NM	NEW MEXICO
NY	NEW YORK
NC	NORTH CAROLINA
ND	NORTH DAKOTA
MP	NORTHERN MARIANA ISLANDS
OH	OHIO
OK	OKLAHOMA
OR	OREGON
PW	PALAU
PA	PENNSYLVANIA
PR	PUERTO RICO
RI	RHODE ISLAND
SC	SOUTH CAROLINA
SD	SOUTH DAKOTA
TN	TENNESSEE
TX	TEXAS
UT	UTAH
VT	VERMONT
VI	VIRGIN ISLANDS
VA	VIRGINIA
WA	WASHINGTON
WV	WEST VIRGINIA
WI	WISCONSIN
WY	WYOMING

Alphabetized by State Code

State Code	State
Value Stored in Database	Value Displayed in Pick List
MP	NORTHERN MARIANA ISLANDS
MS	MISSISSIPPI
MT	MONTANA
NC	NORTH CAROLINA
ND	NORTH DAKOTA
NE	NEBRASKA
NH	NEW HAMPSHIRE
NJ	NEW JERSEY
NM	NEW MEXICO
NV	NEVADA
NY	NEW YORK
OH	OHIO
OK	OKLAHOMA
OR	OREGON
PA	PENNSYLVANIA
PR	PUERTO RICO
PW	PALAU
RI	RHODE ISLAND
SC	SOUTH CAROLINA
SD	SOUTH DAKOTA
TN	TENNESSEE
TX	TEXAS
UT	UTAH
VA	VIRGINIA
VI	VIRGIN ISLANDS
VT	VERMONT
WA	WASHINGTON
WI	WISCONSIN
WV	WEST VIRGINIA
WY	WYOMING

D.5 Countries Pick List Values

The following is the countries used on the electronic form and the corresponding country code that is stored in the D-Trade database:

Rev 2.1 March 31, 2005

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
AF	Afghanistan
AL	Albania
AG	Algeria
AQ	American Samoa
AN	Andorra
AO	Angola
AV	Anguilla
AY	Antartica
AC	Antigua (Barbuda & Redonda)
AR	Argentina
AM	Armenia
AA	Aruba
AS	Australia
AU	Austria
AJ	Azerbaijan
BF	Bahamas
BA	Bahrain
BG	Bangladesh
BB	Barbados
BO	Belarus
BE	Belgium
BH	Belize
DM	Benin (Dahomey)
BD	Bermuda
BT	Bhutan
BK	Bosnia & Hercegovina
BL	Bolivia
BC	Botswana
BV	Bouvetoya
BR	Brazil
VI	British Virgin Islands
BX	Brunei

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
AF	Afghanistan
AA	Aruba
AC	Antigua (Barbuda & Redonda)
AG	Algeria
AJ	Azerbaijan
AL	Albania
AM	Armenia
AN	Andorra
AO	Angola
AQ	American Samoa
AR	Argentina
AS	Australia
AU	Austria
AV	Anguilla
AY	Antartica
BA	Bahrain
BB	Barbados
BC	Botswana
BD	Bermuda
BE	Belgium
BF	Bahamas
BG	Bangladesh
BH	Belize
BK	Bosnia & Hercegovina
BL	Bolivia
BM	Burma
BO	Belarus
BP	Solomon Island
BQ	Navassa Island
BR	Brazil
BT	Bhutan
BU	Bulgaria

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
BU	Bulgaria
UV	Burkina Faso, Upper Volta
BM	Burma
BY	Burundi
CB	Cambodia
CM	Cameroon
CA	Canada
PQ	Canal Zone
EQ	Canton and Ederbury Isl
CV	Cape Verde Island
CJ	Cayman Island
CT	Central African Republic
CD	Chad
CI	Chile
CH	China
KT	Christmas Islands
CK	Cocos Islands
CO	Columbia
CN	Comoros Is.
CF	Congo
CW	Cook Is.
CS	Costa Rica
IV	Cote D'Ivoire
HR	Croatia
CU	Cuba
CY	Cyprus
EZ	Czech Republic
DA	Denmark
FT	Djibouti (Formerly Afars & Issas)
IO	Diego Garcia
DO	Dominica
DR	Dominican Republic
EC	Ecuador

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
BV	Bouvetoya
BX	Brunei
BY	Burundi
CA	Canada
CB	Cambodia
CD	Chad
CE	Sri Lanka (Ceylon)
CF	Congo
CG	Zaire
CH	China
CI	Chile
CJ	Cayman Island
CK	Cocos Islands
CM	Cameroon
CN	Comoros Is.
CO	Columbia
CQ	Saipan
CS	Costa Rica
CT	Central African Republic
CU	Cuba
CV	Cape Verde Island
CW	Cook Is.
CY	Cyprus
DA	Denmark
DM	Benin (Dahomey)
DO	Dominica
DR	Dominican Republic
EC	Ecuador
EG	Egypt
EI	Ireland
EK	Equatorial Guinea
EN	Estonia
EQ	Canton and Ederbury Isl

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
TT	East Timor
EG	Egypt
ES	El Salvador
EK	Equatorial Guinea
ER	Eritrea
EN	Estonia
ET	Ethiopia
FA	Falkland Is. (Islas Malvinas)
FO	Faroe Is.
FJ	Fiji
FI	Finland
FR	France
FG	French Guiana
FP	French Polynesia
FS	French Southern and Anta
GB	Gabon
GA	Gambia, The
GZ	Gaza Strip
GG	Georgia
GM	Germany
GH	Ghana
GI	Gibraltar
GR	Greece
GL	Greenland
GJ	Grenada
GP	Guadeloupe
GQ	Guam
GT	Guatemala
GV	Guinea
PU	Guinea Bissau
GY	Guyana
HA	Haiti
HM	Heard Island and McDonald Islands

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
ER	Eritrea
ES	El Salvador
ET	Ethiopia
EZ	Czech Republic
FA	Falkland Is. (Islas Malvinas)
FG	French Guiana
FI	Finland
FJ	Fiji
FM	Micronesia
FO	Faroe Is.
FP	French Polynesia
FR	France
FS	French Southern and Anta
FT	Djibouti (Formerly Afars & Issas)
GA	Gambia, The
GB	Gabon
GG	Georgia
GH	Ghana
GI	Gibraltar
GJ	Grenada
GL	Greenland
GM	Germany
GP	Guadeloupe
GQ	Guam
GR	Greece
GT	Guatemala
GV	Guinea
GY	Guyana
GZ	Gaza Strip
HA	Haiti
HK	Hong Kong
HM	Heard Island and McDonald Islands
HO	Honduras

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
HO	Honduras
HK	Hong Kong
HU	Hungary
IC	Iceland
IN	India
ID	Indonesia
IR	Iran (Persia)
IZ	Iraq
EI	Ireland
IS	Israel
IT	Italy
JM	Jamaica
JA	Japan
JO	Jordan
KZ	Kazakhstan
KE	Kenya
KR	Kiribati
KU	Kuwait
KG	Kyrgyzstan
LA	Laos
LG	Latvia
LE	Lebanon
LT	Lesotho
LI	Liberia
LY	Libya
LS	Liechtenstein
LH	Lithuania
LU	Luxembourg (AKA Luxemburg)
MC	Macao
MK	Macedonia
MA	Madagascar
MI	Malawi
MY	Malaysia

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
HR	Croatia
HU	Hungary
IC	Iceland
ID	Indonesia
IN	India
IO	Diego Garcia
IQ	United States Misc. Pacific Islands
IR	Iran (Persia)
IS	Israel
IT	Italy
IV	Cote D'Ivoire
IZ	Iraq
JA	Japan
JM	Jamaica
JO	Jordan
JS	Svalbard and Jan Mayen
KE	Kenya
KG	Kyrgyzstan
KN	North Korea
KR	Kiribati
KS	South Korea
KT	Christmas Islands
KU	Kuwait
KZ	Kazakhstan
LA	Laos
LE	Lebanon
LG	Latvia
LH	Lithuania
LI	Liberia
LO	Slovakia
LS	Liechtenstein
LT	Lesotho
LU	Luxembourg (AKA Luxemburg)

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
MV	Maldives
ML	Mali
MT	Malta
RM	Marshall Islands
MB	Martinique
MR	Mauritania
MP	Mauritius
MX	Mexico
FM	Micronesia
MD	Moldova
MN	Monaco
MG	Mongolia
MW	Montenegro
MH	Montserrat
MO	Morocco
MZ	Mozambique
WA	Namibia
NR	Nauru
BQ	Navassa Island
NP	Nepal
NA	Netherlands (Antilles)
NL	Netherlands (Holland)
NC	New Caledonia
NZ	New Zealand
NU	Nicaragua
NG	Niger
NI	Nigeria
NE	Niue
NF	Norfolk Island
KN	North Korea
NO	Norway
MU	Oman (Muscat)
PK	Pakistan

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
LY	Libya
MA	Madagascar
MB	Martinique
MC	Macao
MD	Moldova
MG	Mongolia
MH	Montserrat
MI	Malawi
MK	Macedonia
ML	Mali
MN	Monaco
MO	Morocco
MP	Mauritius
MR	Mauritania
MT	Malta
MU	Oman (Muscat)
MV	Maldives
MW	Montenegro
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Netherlands (Antilles)
NC	New Caledonia
NE	Niue
NF	Norfolk Island
NG	Niger
NH	Vanuatu
NI	Nigeria
NL	Netherlands (Holland)
NO	Norway
NP	Nepal
NQ	Trust Territory of the Pacific Islands
NR	Nauru

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
PS	Republic of Palau
PN	Panama
PP	Papua-New Guinea
PF	Paracel Islands
PA	Paraguay
PE	Peru
RP	Philippines
PC	Pitcairn Island
PL	Poland
PO	Portugal
QA	Qatar
RE	Reunion
RO	Romania
RS	Russia
RW	Rwanda
CQ	Saipan
SM	San Marino
TP	Sao Tome & Principe
SA	Saudi Arabia
SG	Senegal
SR	Serbia
SE	Seychelles
SL	Sierre Leone
SN	Singapore
LO	Slovakia
SI	Slovenia
BP	Solomon Island
SO	Somalia
SF	South Africa
KS	South Korea
SP	Spain
PG	Spratly Islands
CE	Sri Lanka (Ceylon)

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
NS	Suriname
NU	Nicaragua
NZ	New Zealand
PA	Paraguay
PC	Pitcairn Island
PE	Peru
PF	Paracel Islands
PG	Spratly Islands
PK	Pakistan
PL	Poland
PN	Panama
PO	Portugal
PP	Papua-New Guinea
PQ	Canal Zone
PS	Republic of Palau
PU	Guinea Bissau
QA	Qatar
RE	Reunion
RM	Marshall Islands
RO	Romania
RP	Philippines
RS	Russia
RW	Rwanda
SA	Saudi Arabia
SB	St. Pierre and Miquelon
SC	St. Kitts & Nevis
SE	Seychelles
SF	South Africa
SG	Senegal
SH	St. Helena
SI	Slovenia
SL	Sierre Leone
SM	San Marino

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
SH	St.Helena
SC	St. Kitts & Nevis
ST	St. Lucia
SB	St. Pierre and Miquelon
VC	St. Vincent & Grenadines
SU	Sudan
NS	Suriname
JS	Svalbard and Jan Mayen
WZ	Swaziland
SW	Sweden
SZ	Switzerland
SY	Syria
TW	Taiwan
TI	Tajikistan
TZ	Tanzania
TH	Thailand
TO	Togo
TL	Tokelau
TN	Tonga
TD	Trinidad & Tobago
NQ	Trust Territory of the Pacific Islands
TS	Tunisia
TU	Turkey
TX	Turkmenistan
TK	Turks & Caicos Is.
TV	Tuvalu (Ellice Is.)
UG	Uganda
UP	Ukraine
AE	United Arab Emirates
UK	United Kingdom
UN	United Nations
US	United States
IQ	United States Misc. Pacific Islands

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
SN	Singapore
SO	Somalia
SP	Spain
SR	Serbia
ST	St. Lucia
SU	Sudan
SW	Sweden
SY	Syria
SZ	Switzerland
TC	United Arab Emirates
TD	Trinidad & Tobago
TH	Thailand
TI	Tajikistan
TK	Turks & Caicos Is.
TL	Tokelau
TN	Tonga
TO	Togo
TP	Sao Tome & Principe
TS	Tunisia
TT	East Timor
TU	Turkey
TV	Tuvalu (Ellice Is.)
TW	Taiwan
TX	Turkmenistan
TZ	Tanzania
UG	Uganda
UK	United Kingdom
UN	United Nations
UP	Ukraine
US	United States
UV	Burkina Faso, Upper Volta
UY	Uruguay
UZ	Uzbekistan

Alphabetized by Country Name

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
UY	Uruguay
UZ	Uzbekistan
NH	Vanuatu
VT	Vatican City
VE	Venezuela
VN	Vietnam
VQ	Virgin Islands of the U.S.
WQ	Wake Island
WF	Wallis and Futuna
WE	West Bank
WI	Western Sahara
WS	Western Samoa
YM	Yemen
YO	Yugoslavia
CG	Zaire
ZA	Zambia
ZI	Zimbabwe

Alphabetized by Country Code

Country Code	Country Name
Value Stored in Database	Value Displayed in Pick List
VC	St. Vincent & Grenadines
VE	Venezuela
VI	British Virgin Islands
VN	Vietnam
VQ	Virgin Islands of the U.S.
VT	Vatican City
WA	Namibia
WE	West Bank
WF	Wallis and Futuna
WI	Western Sahara
WQ	Wake Island
WS	Western Samoa
WZ	Swaziland
YM	Yemen
YO	Yugoslavia
ZA	Zambia
ZI	Zimbabwe

ATTACHMENT D

SAMPLE BATCH SUBMISSION

DOS SSB-001 V3.1

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Content-Transfer-Encoding: 8bit
Content-Id: soap@filer.com/UniqueId

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Content-Transfer-Encoding: 8bit
Content-Id: <submission@filer.com/UniqueId1>

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  <City>Reston</City>
  <StateCode>VA</StateCode>
  <PostalCode>20190</PostalCode>

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    <City>Bahrain</City>

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    <CountryCode>BA</CountryCode>
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    <StreetAddress>test</StreetAddress>
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    <PostalCode>20190</PostalCode>
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    <PostalCode>20190</PostalCode>
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    <City>Iran</City>
    <CountryCode>BG</CountryCode>
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    <CountryCode>CA</CountryCode>
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    <Model>Boat</Model>
    <SerialNumber>12345</SerialNumber>
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    <City>Wilmington</City>
    <StateCode>NC</StateCode>
    <PostalCode>77777-8888</PostalCode>
    <CountryCode>IQ</CountryCode>
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      <Name>John Doe</Name>
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      <City>Reston</City>
      <CountryCode>AA</CountryCode>
      <PhoneNumber>123-456-7890</PhoneNumber>
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      <Name>Jane Doe</Name>
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      <City>Reston</City>
      <StateCode>VA</StateCode>
      <PostalCode>20190</PostalCode>
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      <PhoneNumber>123-456-7890</PhoneNumber>
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</Transforms>
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