Implementation Guide
Broker-Surety Connection
For Single Transaction Bonds

Implementation Guide for Messaging Interface
Between Broker/Filers and Sureties/Surety Agents

Version: 4.0
November 19, 2014
Customs Surety Executive Committee (CSEC)
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Revision History

Document Version	Revision Date	Description of Revision
1.0	*06/01/2014*	*Original document – Celeste Catano (Kewill)*
1.1	*06/06/2014*	*Updated XML definitions to include some missing data elements-Celeste Catano (Kewill)*
1.2	*09/02/2014*	*Added Reason Codes – Colleen Clarke (Roanoke)* *Updated XML Definitions to match CSEC 8-8-14 Data Elements spreadsheet – John Greco (Shea)*
1.3	*09/04/2014*	*Updated XML Definitions to include user authentication – Nathan Baylor (Avalon)*
1.4	*09/10/2014*	*Added user authentication process in Interface Section – Jennifer Rome (Roanoke)*
1.5	*09/12/2014*	*Updated user authentication process in Interface Section – John Greco (Shea)*
1.6	*09/12/2014*	*Updated user authentication process in Interface Section – Nathan Baylor (Avalon)*
1.7	*09/19/2014*	*Updated XML Definitions with minor data types changes – Nathan Baylor (Avalon)*
2.0	*09/24/2014*	*Multiple changes – Fany Flores-Pastor (Descartes)*
2.1	*09/30/2014*	*Update XSD/TXT; insert correct file - John Greco (Shea)*
2.2	*10/02/2014*	*Miscellaneous operational corrections – Dave Jordan (Roanoke)*
2.3	*10/03/2014*	*Misc. changes, updated XSD, added invitational email – Fany Flores-Pastor/Douwe Tolsma (Descartes)*
2.4	*10/09/2014*	*Misc. data description changes, final review, accept changes, remove comments – Colleen Clarke (Roanoke)*
3.0	*11/07/2014*	*Added Surety to Broker data elements in table format – Jennifer Rome (Roanoke)* *Added Disposition and Surety Response Code Usage Guides – Nathan Baylor (Avalon)*
3.1	*11/10/2014*	*Update misc. data elements/explanations; removed imbedded files; accepted changes – Colleen Clarke (Roanoke), Jennifer Rome (Roanoke)*
3.2	*11/11/2014*	*Update misc. data elements and error code table – Nathan Baylor (Avalon)*
3.3	*11/14/2014*	*Remove BCR Flag & Rider Code – Dave Jordan (Roanoke)*
3.4	*11/17/2014*	*Added surety agent contact info – Colleen Clarke (Roanoke)* *Added addtl surety to broker codes, formatting update – Jennifer Rome (Roanoke)*
4.0	*11/18/2014*	*Update XSD code – Nathan Baylor (Avalon)* *Finalize document – Colleen Clarke (Roanoke)*

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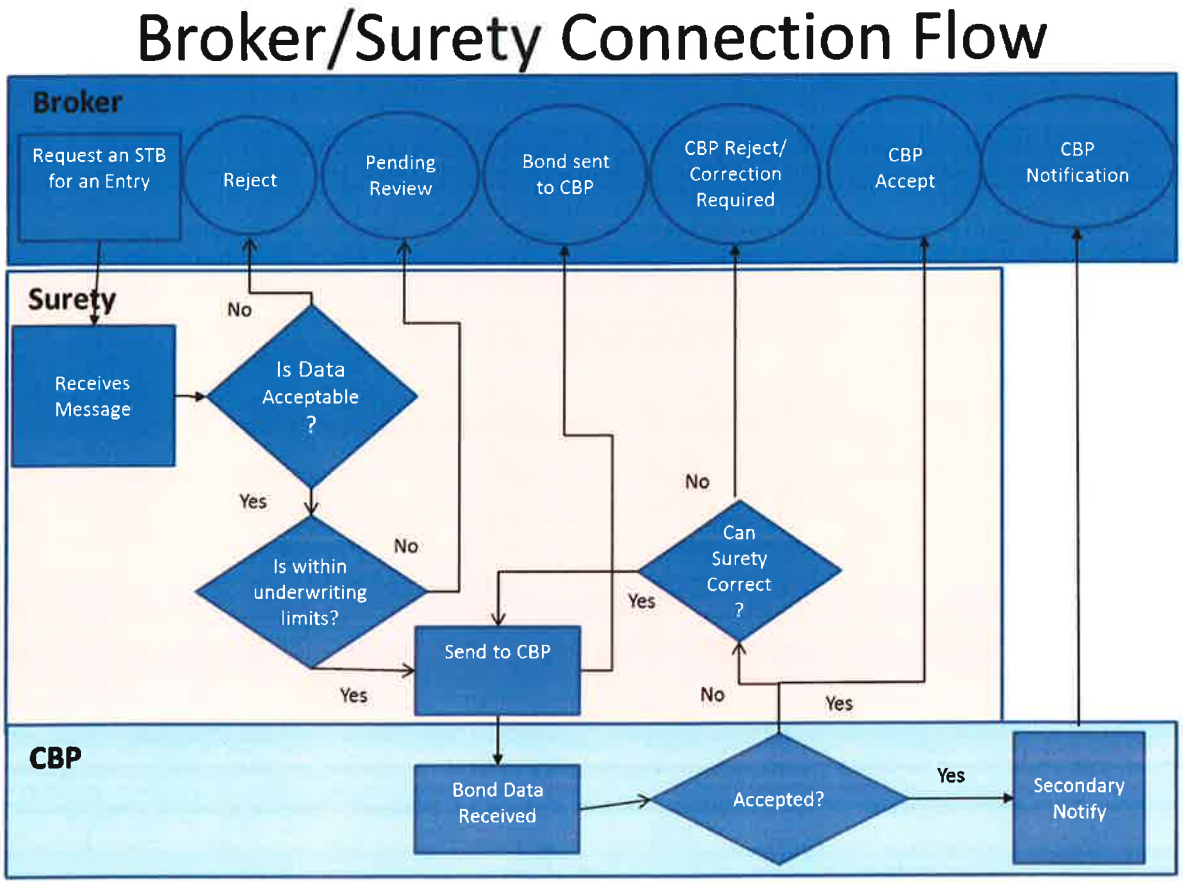
Introduction

CBP has introduced the filing of Bonds by the sureties/surety agents through ABI. This will be implemented by CBP in January 2015. All bonds must be filed electronically by the sureties. CBP has stated that the relationship between the Sureties and the Brokers is a matter of private business and is not a relationship that CBP wants to be part of. The Customs Brokers will rely on the Sureties to perform that function.

Many of the sureties have Web Portals that can be used by the brokers to provide the data necessary to file a Single Transaction Bond. Much of this information is the same data that is currently supplied on the Customs Entry or ISF transaction. Brokers with a steady volume of Single Transaction Bonds will want to be able to send the data directly from their systems over to the sureties to avoid having to re-key any data. The sureties will provide status responses back to the Brokers to let them know their data is acceptable and that the surety can file the bond with CBP. Once a bond is successfully filed with CBP, the Broker will be able to file their entry.

Brokers have asked for a message from CBP to indicate that the bond is on file. Some brokers will use this message as an indicator that they can now file their entry. This notification will be based on a Secondary Notify Party being supplied with the bond filing by the sureties. The Secondary Notify Party code is made up of the Filer's Port Code, Filer Code and Office Location Code.

Process Flow



Messages from Broker to Surety

- Request for an STB

Broker to Surety

Data Types

A The data element is alphabetic only.
AN The data element is alphanumeric only.
C The data element is special characters.
N The data element is numeric only.
X The data element is alphanumeric or special characters.

Broker to Surety Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
Surety/Surety Agent Filer Code	3 AN	X		Surety Filer Code as assigned by CBP for ABI transmissions.
Importer Number (with suffix)	12 AN	X		Valid formats for the Principal ID Number are: NNNNNNNNNXX Internal Revenue Service (IRS) Number YYDDPP NNNNN CBP Assigned Number NNN NN NNNN Social Security Number In these codes, N = number, X = alphanumeric, YY = the last two digits of the calendar year when the number is assigned, DDPP = the district/port code where the number is assigned.
Importer Name	35 X	X		
Importer Physical Address Line 1 Line 2 City State Zip Code	 35 X 35 X 35 X 2 A 9 N	X		
Importer Physical Country Code	2 A	X		Importers Country of physical address. Use ISO Country Codes.
Bond Type	1 N	X		Always 9
Bond Activity Code	2 AN	X		Valid Bond Activity Codes include: 1 Importer or Broker 1A Drawback Payments Refunds 16 Importer Security Filing (ISF)
CBP Bond Number	9 AN		X	Only used when the Bond Designation Type Code = V, C or R. Provide the CBP assigned bond number for which the action should be taken.
Port Code	4 N		X	

Broker to Surety Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
Bond Designation Code	1 AN	X		A code representing the general purpose of the bond and the action to be taken. Valid codes are: B = Add a new basic bond. A = An additional bond; the bond that secures an AD/CVD, PGA or any other aspect not covered by the basic bond requirement. Applies to a **Single Transaction Bond** only. V = Void the **Single Transaction Bond** on file. C = Adjust the bond amount of the **Single Transaction Bond** on file. U = Substitute for the bond presented at time of entry. Applies to a **Single Transaction Bond** only. E = Supersede the bond presented at time of entry. Applies to a **Single Transaction Bond** only. R = Bond Rider to take the following actions: • US Virgin Islands
Transaction ID Type Code	1 N	X		1 = Entry Number, 2 = ISF Reference Number
Transaction ID (entry#, ISF transaction #, seizure number; drawback claim #) - type of # based on activity code	40 AN	X		Unique Transaction ID based on the Transaction ID Type Code. If it is less than 40 positions, it is left justified. Do not include spaces, hyphens, slashes or other special characters. Valid formats are: Entry Number: XXXNNNNNNNC ISF Transaction Number: • Filed by a broker: FFFNNNNNNNNNNN • Filed by an Carrier or Service Center: FFFFNNNNNNNNNNN FFFF = Filer code / SCAC NNNNNNNNNNN = Numeric sequence number
Entry Type	2 N	X		Entry Types as Defined by CBP
Bond Amount	10 N	X		Bond Amount in whole US dollars. Must be greater than zero.
STB Producer Account Number	10 AN		X	The Entry Filers identification number assigned by the Surety company of the STB
Secondary Notify Party (port code, filer code, office code)	9 AN		X	The format must be NNNNXXXNN where NNNN is the Schedule D Code representing the CBP port of the secondary notify party; XXX is the filer code; and NN is the office code, if used by that filer. Up to four allowed.

Broker to Surety Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
Exception Contact Name Email Phone	 35 X 35 X 20 X	X		The name of a contact at the broker/filers who can be contacted if there are issues/questions with processing the bond.
Broker Reference Number	25 X		X	A reference number provided by the broker/filer that will be returned with the response messages.
Total Estimated Value	12 N		X	Estimated Entered Value in whole US dollars. (Mandatory if activity code 1)
Line Items – Multiple HTS numbers per line				
Line Number	10 N	X		Entry Line Number (Mandatory if activity code 1)
HTS Number	10 N	X		Harmonized Tariff Schedule Number without format. A 6 digit number can be used for ISF, otherwise supply 8 or 10 digits based on what is being sent on the entry data. (Mandatory if activity code 1)
Country of Origin	2 A	X		Use ISO Country Codes. (Mandatory if activity code 1)
Trade Agreement/Special Program Claim Code	2AN		X	A code that specifies an applicable trade agreement or applicable program that may reduce or eliminate duty and/or MPF (per CBP ACE ABI CATAIR – Entry Summary Create/Update)
Estimated Value	12 N		X	Estimated Entered Value in whole US dollars for the line item. Must be greater than zero.
Estimated Duty	12 N		X	Duty Amount for the line. 2 decimal places.
IR Taxes	12 N		X	IR Tax Amount for the line. 2 decimal places.
Commodity Fees	12 N		X	Commodity Fee Amount for the line. 2 decimal places. This includes fees like Cotton, Sugar, Potato and Raspberry
Other Fees	12 N		X	Other Fee Amount for the line. 2 decimal places. This includes fees like MPF and HMF.
Line Item AD/CVD Case Info				Can be repeated 2 times once ADD and another for CVD
Case Number	10 AN		X	ADD or CVD Case Number is mandatory whenever present irrespective of entry type. (Typically, though not exclusively 03, 07, & occasionally 06.) .
AD Duty	12 N		X	Amount for the line case. 2 decimal places. Required when Case Number is present. (Typically, though not exclusively 03, 07, & occasionally 06.)
CV Duty	12 N		X	Amount for the line case. 2 decimal places. Required when Case Number is present.

Broker to Surety Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
				(Typically, though not exclusively 03, 07, & occasionally 06.)
Bond/Cash Claim Code	1 A		X	An indication as to whether the duty amount is to be collected as a cash deposit or considered as under a bond as prescribed by the case. B = The duty amount is to be covered under a surety bond. C = The duty amount is to be collected as a cash deposit. Required when Case Number is present
Case Deposit Rate	8 N		X	Case Deposit Rate from the AD/CVD Case Information. 2 decimal places. Required when Case Number is present
Case Rate Type Qualifier Code	1 A		X	The type of rate prescribed by the case, which corresponds to the applicable deposit rate. Required when Case Number is present A = The case rate is an ad valorem rate. S = The case rate is a specific rate.
AD/CVD Value of Goods Amount	10 N		X	Value of the article, to be used exclusively and in lieu of any other article value for the specific purpose of calculating any estimated antidumping or countervailing duty (when an ad valorem rate applies), reported in whole U.S. dollars. Required when Case Number is present
AD/CVD Quantity	12 N		X	Total number of primary units (which corresponds to the UOM Code prescribed by the case) to be used for calculating the estimated antidumping or countervailing duty (when a specific rate applies). Four decimal places. Required when Case Number is present
Bonded AD/CVD Duty Amount	12 N		X	**Required when Bond/Cash Claim Code is "B"**
Cash Deposit AD/CVD Duty Amount	12 N		X	**Required when Bond/Cash Claim Code is "C"**
AD/CVD Non-Reimbursement	1 A		X	Y = I hereby certify that I have not entered into any agreement or understanding for the payment or for the refunding to me, by the manufacturer, producer, seller, or exporter, of all or any part of the antidumping duties or countervailing duties assessed upon merchandise entered under this AD/CVD line of this entry summary. I further certify that U.S. Customs and Border Protection will be notified if there is any reimbursement of antidumping or countervailing duties by the manufacturer, producer, seller, or exporter to the importing company at any time in the

Broker to Surety Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
				future for this AD/CVD line. Required when Case Number is present
Declaration Identifier	10 AN		X	Identifier of the blanket AD/CVD Non-Reimbursement Declaration that includes this Case Number. Required when Case Number is present
Line Item PGA Codes				Can be repeated to show all PGA codes applicable to the line.
PGA Code	3 AN	X		"Government Agency Code" per PGA Message Set
PGA Disclaimer Code	1 A		X	If PGA involved
ISF Details				
Estimated Vessel Departure Date	Date		X	If ISF Unified or stand alone
Action Reason Code	2 A		X	CT = Complete Transaction FR = Flexible Range FT = Flexible Timing FX = Flexible Range and Flexible Timing
Action Code	1 A		X	A = Add D = Delete R = Replace

Messages from Surety to Broker

- Response/Status
  - Data Errors – Reject Message
  - Data Accepted – Pending Review
  - Data Accepted – Bond Data sent to CBP
  - Review Complete – Bond Data sent to CBP
  - Review Complete – Bond not authorized
  - Bond Accepted by CBP
  - CBP Rejection- Correction Required

Surety to Broker

Data Types

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AN The data element is alphanumeric only.

C The data element is special characters.

N The data element is numeric only.

X The data element is alphanumeric or special characters.

Surety to Broker Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
Transaction ID Type Code	1 N	X		1 = Entry Number, 2 = ISF Reference Number
Transaction ID (entry#, ISF transaction #, seizure number; drawback claim #) - type of # based on activity code	40 AN	X		Unique Transaction ID based on the Transaction ID Type Code. If it is less than 40 positions, it is left justified. Do not include spaces, hyphens, slashes or other special characters. Valid formats are: Entry Number: XXXNNNNNNNC ISF Transaction Number: • Filed by a broker: FFFNNNNNNNNNNN • Filed by an Carrier or Service Center: FFFFNNNNNNNNNNN FFFF = Filer code / SCAC NNNNNNNNNNN = Numeric sequence number
Broker Reference Number	25 X		X	A reference number provided by the broker/filer that will be returned with the response messages.
Disposition Code	1 A	X		A = Accepted by CBP E = Data Errors – See Attached Errors R = Data Accepted by Surety – Pending Review X = Bond Rejected by CBP – See Attached Errors
Surety Response Code	3 AN		X	Code representing the error or response: B01 = Surety Rejection – Data Correction Required B02 = Data Accepted – Pending Underwriting Review

Surety to Broker Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
				B03 = Data Accepted – Bond Data Sent to CBP B04 = Review Complete – Bond Data Sent to CBP B05 = Review Complete – Bond Not Authorized B06 = Bond Accepted by CBP B07 = CBP Rejection – Correction Required
Surety Response Description	50 AN		X	Code representing the error or response: B01 = Surety Rejection – Data Correction Required B02 = Data Accepted – Pending Underwriting Review B03 = Data Accepted – Bond Data Sent to CBP B04 = Review Complete – Bond Data Sent to CBP B05 = Review Complete – Bond Not Authorized B06 = Bond Accepted by CBP B07 = CBP Rejection – Correction Required
Bond Designation Code	1 AN	X		A code representing the general purpose of the bond and the action to be taken. Valid codes are: B = Add a new basic bond. A = An additional bond; the bond that secures an AD/CVD, PGA or any other aspect not covered by the basic bond requirement. Applies to a **Single Transaction Bond** only. V = Void the **Single Transaction Bond** on file. C = Adjust the bond amount of the **Single Transaction Bond** on file. U = Substitute for the bond presented at time of entry. Applies to a **Single Transaction Bond** only. E = Supersede the bond presented at time of entry. Applies to a **Single Transaction Bond** only. R = Bond Rider to take the following actions: • US Virgin Islands
Surety Code	3 AN	X		Surety code as assigned by the surety/surety agent.
Bond Amount	10 N	X		Bond Amount in whole US dollars. Must be greater than zero.
Surety Reference Number	9 AN		X	This is an option field provided for the Surety/Surety Agent's internal use. A 9-character self-generated surety reference number that a surety may opt to submit to CBP and have returned, unmodified in the response from CBP.
CBP Bond Number	9 AN		X	The CBP number assigned to the bond.

Surety to Broker Data Element	Size/ Type	Mandatory	Optional/ Conditional	Description
Importer Number (with suffix)	12 AN	X		Valid formats for the Principal ID Number are: NNNNNNNNNXX Internal Revenue Service (IRS) Number YYDDPP NNNNN CBP Assigned Number NNN NN NNNN Social Security Number In these codes, N = number, X = alphanumeric, YY = the last two digits of the calendar year when the number is assigned, DDPP = the district/port code where the number is assigned.
Importer Name	35 X	X		
Surety Contact Name	35 AN		X	The name of a contact at the Surety/Surety Agent who can be contacted if there are issues/questions with processing the bond.
Surety Contact Email	35 AN		X	The email address of a contact at the Surety/Surety Agent who can be contacted if there are issues/questions with processing the bond.
Surety Contact Phone	20 AN		X	The telephone number of a contact at the Surety/Surety Agent who can be contacted if there are issues/questions with processing the bond.
Line Items – Multiple HTS numbers per line				Can be repeated to show all Reason Codes applicable to the bond.
Line Number	5 N		X	Sequence Number
HTS Number	10 N	X		Harmonized Tariff Schedule Number without format. A 6 digit number can be used for ISF, otherwise supply 8 or 10 digits based on what is being sent on the entry data. (Mandatory if activity code 1)
Reason Code	3 AN		X	Code representing the error or reason. See attached table.
Reason Description	85 AN		X	Description of the code representing the error or reason. See attached table.

Surety to Broker – Disposition Code Usage Guide

Code	Narrative Text	Definition	Surety Response Codes
E	Data Errors – see attached errors	Surety cannot accept XML as formatted	B01
R	Data Accepted by Surety – Pending Review	Surety accepted XML and is pending CBP response or reviewing data for underwriting concerns	B02, B03, B04, B05
A	Bond Accepted by CBP	CBP ACE ABI CX CATAIR Message[1] CBP Condition Code 992 - 998	B06
X	Bond Rejected by CBP – see attached errors	CBP ACE ABI CX CATAIR Message CBP Condition Code S01 – S76 or S98	B07

Surety to Broker – Surety Response Code Usage Guide

Code	Narrative Text	Disposition Codes	Reason Codes
B01	Surety Rejection - Data Correction Required	E	See Reason Code Table
B02	Data Accepted - Pending Underwriting Review	R	See Reason Code Table
B03	Data Accepted - Bond Data Sent to CBP	R	Narrative Text
B04	Review Complete - Bond Data Sent to CBP	R	Narrative Text
B05	Review Complete - Bond Not Authorized	R	Narrative Text
B06	Bond Accepted by CBP	A	CBP ACE ABI CX CATAIR Message Condition Codes + Narrative Text
B07	CBP Rejection - Correction Required	X	CBP ACE ABI CX CATAIR Message Condition Codes + Narrative Text

Surety to Broker – Reason Codes

Surety Response Code	Reason Code	Reason Description	Character Length
B01	001	Bond Designation Code invalid or missing.	41
B01	002	Surety Code invalid or missing.	31
B01	003	Importer Number invalid or missing.	35
B01	004	Importer Name invalid or missing.	33
B01	005	Importer Physical address invalid or missing.	45
B01	006	Importer Physical Country Code invalid or missing.	50
B01	007	Bond Type invalid or missing.	29
B01	008	Bond Activity Code invalid or missing.	36
B01	009	Port of Entry Code is invalid.	38
B01	010	Trans ID Type Code invalid or missing.	38

[1] CBP ACE ABI CX CATAIR message is located in the ACE ABI Customs eBond Create/Update chapter

Surety Response Code	Reason Code	Reason Description	Character Length
B01	011	Transaction ID Code invalid or missing.	39
B01	012	Entry Type code invalid or missing.	35
B01	013	Bond Amount invalid or missing.	31
B01	014	STB Producer Account Number invalid.	36
B01	015	SNP code invalid.	17
B01	016	Exception Contact invalid or missing.	37
B01	017	Broker Reference Number invalid.	32
B01	018	Total Estimated Value invalid or missing.	41
B01	019	HTS Number (per line) invalid or missing.	41
B01	020	Country of Origin (line item) invalid or missing.	49
B01	021	Total Estimated Value (line item) invalid or missing.	53
B01	022	Total Estimated Duty (line item) invalid or missing.	52
B01	023	Total Estimated IR Tax (line item) invalid or missing.	54
B01	024	Total Estimated Fees (line item) invalid or missing.	52
B01	025	AD/CV case number (line item) invalid or missing (if entry type 3).	49
B01	026	AD/CV Duty amount (line item) invalid or missing (if entry type 3).	68
B01	027	Bond/Cash Claim Code (line item) invalid or missing (if entry type 3).	71
B01	028	Case Deposit Rate (line item) invalid or missing (if entry type 3).	68
B01	029	Case Rate Type Qualifier Code (line item) invalid or missing (if entry type 3).	80
B01	030	AD/CV Value of Goods Amount (line item) invalid or missing (if entry type 3).	78
B01	031	AD/CV Quantity (line item) invalid or missing (if entry type 3).	65
B01	032	Bonded AD/CV Duty Amount (line item) invalid or missing (if entry type 3).	75
B01	033	Cash Deposit AD/CV Duty Amount (line item) invalid or missing (if entry type 3).	81
B01	034	AD/CV Non-Reimbursement (line item) invalid or missing (if entry type 3).	74
B01	035	Declaration Identifier (line item) invalid or missing (if entry type 3).	73
B01	036	PGA Code invalid or missing.	28
B01	037	PGA Disclaimer Code invalid or missing.	39
B01	038	Estimated Vessel Departure Date invalid or missing (ISF only).	62
B01	039	ISF Action Reason Code invalid or missing (ISF only).	53
B01	040	Not used with the bond designation type code.	45
B01	041	Duplicate bond – bond already on file.	38
B01	042	Duplicate bond – pending review.	32
B01	043	Duplicate bond – not authorized.	32
B01	044	Bond already voided.	20
B01	045	Entry Type required for Trans ID Type.	38
B01	046	CBP Bond Number invalid or missing	34
B01	047	Line Number invalid or missing	30
B01	048	Other Fees (line item) invalid or missing	41
B01	049	Action Code invalid or missing (ISF only)	41
B01	999	Other/free-form	Various
B02	001	Outside of underwriting limits	31

Surety Response Code	Reason Code	Reason Description	Character Length
B02	002	Exceeds aggregate liability limits	35
B02	003	Open claims	12
B02	004	Surety Losses	14
B02	005	Bankruptcy/insolvency proceedings	34
B02	006	Importer on CBP sanction	25
B02	007	Bad address	12
B02	999	Other/free-form	Various
B06	CBP CATAIR Condition Codes	CBP CATAIR Condition Code Narrative Text	Various
B07	CBP CATAIR Condition Codes	CBP CATAIR Condition Code Narrative Text	Various

XML File Definitions

See Appendix A: Broker to Surety Schema

See Appendix B: Surety to Broker Schema

Surety Agent Contact Information

See Appendix C: Surety Agent and Surety Company Relationship Table

Surety companies or their agents with CBP connections are:

Surety/Surety Agent	Surety/Surety Agent Filer Code	Contact Information
Avalon Risk Management	GN4	Katherine Priore, Business Analysis Manager Kpriore@avalonrisk.com (847) 700-8112
C.A. Shea & Company Inc.	WY8	John Greco, I.T. Manager John.greco@cashea.com (908)879-0990
Integro Insurance Brokers	WZC	Ed Mascher, Vice President – Trade & Logistics Ed.mascher@integrogroup.com (415) 254-9563
International Bond & Marine	WDU	Jason Wieselman, Product Development Jasonw@intlbondmarine.com (201) 653-6100
International Fidelity Ins Co	WZB	Timothy Murphy, Asst Vice President – Customs Bond Desk tmurphy@ific.com (973) 624-7200
Roanoke Insurance Group Inc.	AXV	Jennifer Rome, Asst Vice President – Product Development Jennifer.rome@roanoketrade.com (847) 969-1420

Interface Description

XML message format will be used to pass the data between the broker and the sureties.

Trade Partners may submit XML messages via secure web services (HTTPS) hosted by Surety companies and Brokers on the internet. Trade partners will receive a synchronous response indicating the status of the web service call, but detailed response messages back to the broker regarding the processing status of the submitted message will be sent via secure web services hosted by the Brokers.

Authenticity of eBond Transmissions

The following mechanisms are used to enhance the security and authenticity of the exchange of eBond messages.

Web Service Access authorization

The preferred 'transmission' mechanism will be Secure Web Services. The web services should be provided by an SSL protected server using Basic Authentication as the mechanism to ensure against unauthorized access from the internet.

Basic Authentication is a well-known (and well-supported) authentication mechanism that is implemented in most web servers and web service toolkits. By transferring the credentials in the HTTP header the credentials are better protected than when transferring them in the XML contents and/or URL.

The Basic Authentication credentials are issued by the organization operating the web service to the organization that will be submitting the document. When brokers are using an information or application services provider, the information services provider may use the same identity to deliver messages for multiple brokers.

Message originator identification

It is recommended to use SOAP-WSA (Web Service Addressing) to identify the original sender and intended recipient for the Broker-to-Surety XML message (see below) as well as the Surety-to-Broker traffic.

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2005/08/addressing">
 <S:Header>
  <wsa:From>
   <wsa:Address>urn:abi:DM9</wsa:Address>
  </wsa:From>
 <wsa:To>urn:abi:S21</wsa:To>
 <wsa:Action>urn:myvan:BrokerToSurety</wsa:Action>
</S:Header>
 <S:Body>
  ....
 </S:Body>
</S:Envelope>
```

The preferred naming scheme for the original sender and intended recipient in the eBond interchange is the ABI filer code which is issued by CBP to both Broker and Surety companies. Using this identifier will reduce the administration and setup effort.

Authenticity of Content

To provide additional authenticity of the content of the message without adding a plain text password in the XML content the WSSE Username Token standard is recommended. By using the brokerEntryNumber as a Nonce value[2], the UsernameToken value found in broker entry message header cannot be used for other entries or for the same entry number at a later time.

```
<wsse:UsernameToken>
   <wsse:Username> DM7< /wsse:Username>
   <wsse:Password Type="…#PasswordDigest"> ... </wsse:Password>
   <wsse:Nonce EncodingType="..."> {$brokerEntryNumber) </wsse:Nonce>
   <wsu:Created> 2014-09-19T15:23:34Z </wsu:Created>
</wsse:UsernameToken>
```

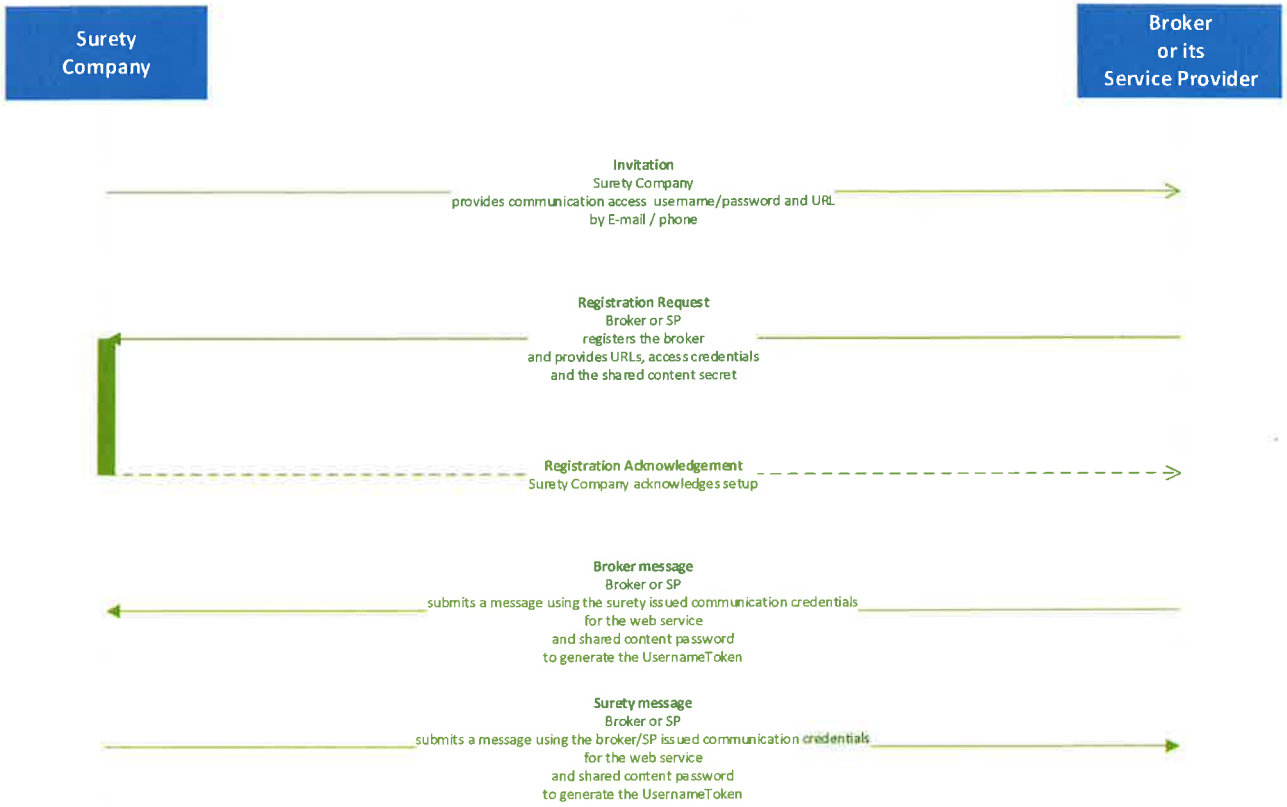
Where Password = Base64 (SHA-1 (nonce + created + password)) .
This password is a shared secret between each broker and bond company and is issued by the sending organization to each recipient.

Registration Flow

On request of the Surety companies a registration flow is specified. The registration flow aims to reduce the amount of setup effort required to setup a broker.
The registration is initiated by the Surety Company to each Broker or trusted Service Provider once by sending an eBondRegistrationInvitation message by E-mail.
The e-mail contains the initial information to establish the connectivity.

The flow is depicted in the UML flow diagram below:

[2] Mainstream use of a Nonce value requires the recipient to check that every Nonce value is only used once. By using the brokerEntry number as a Nonce, the same Nonce can be used more than once. Because two messages for the same broker entry number will never be sent at the exact same time, the intended protection against reuse of the authorization is preserved.



The convention used is that the web service connection is between service providers (with Surety Companies and some Customs Brokers being their own service provider), and that the content authenticity is between the Broker and the Surety Company.

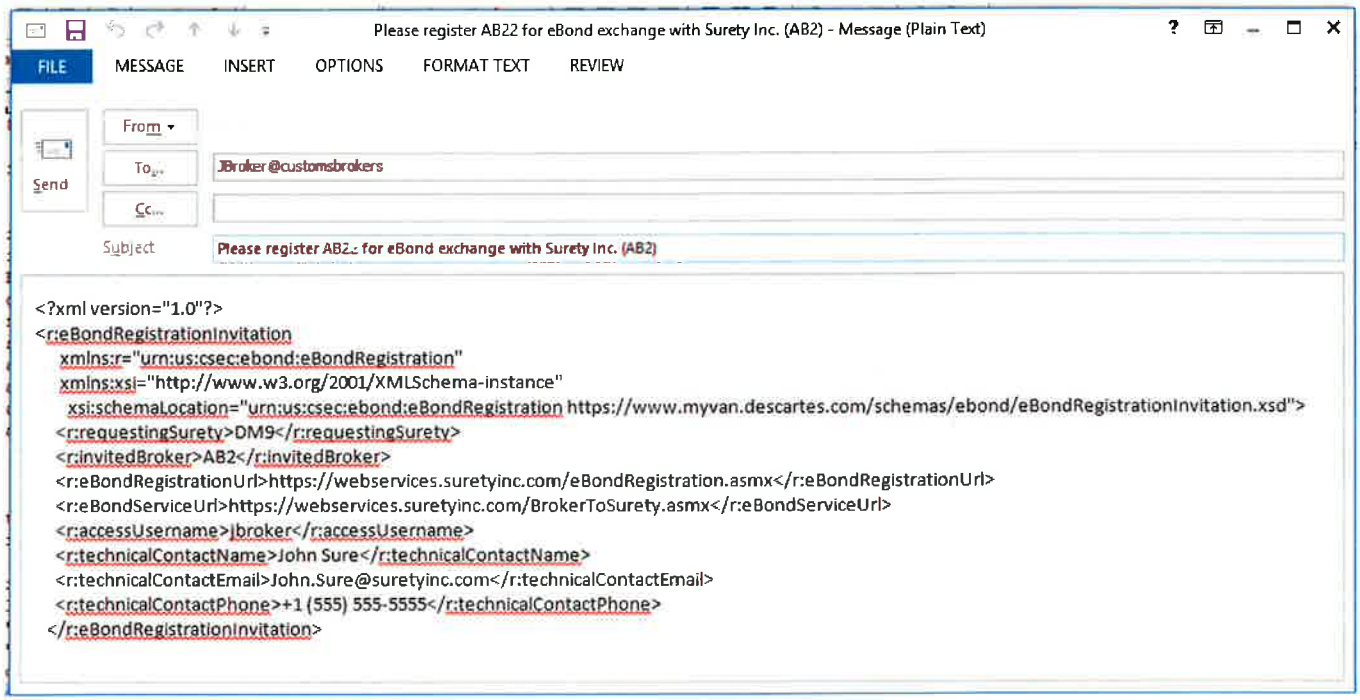
Invitation

The eBondRegistrationInvitation contains:

1. The ABI filer code of the Surety Company inviting
2. The ABI filer code of the broker to be invited, in case of an invitation to a service provider this information may be omitted.
3. URL at which the Surety Company will accept RegistrationRequest
4. URL at which the Surety Company will accept Broker-to-Surety messages
5. Communication access username for the broker or its service provider
6. Communication access password for the broker or its service provider
7. Name of the technical contact at the Surety Company
8. E-mail address of the technical contact
9. Telephone number of the technical contact

It is recommended for Surety Companies to send up-front an invitation to trusted Information Services Providers to initiate and test a connection with the information services provider in advance.
When brokers forward their invitation from a Surety Company already provisioned by their service provider, this information service provider will use the already established connection to send the registration request.

An example of an invitation E-mail message can be found below.



RegistrationRequest

The registration request will be submitted by the Broker (or its information services provider) to the Surety Company eBondRegistrationRequest web service access point.

The broker/SP will use the communication access credentials provided in the eBondRegistrationInvitation E-mail to authenticate the RegistrationRequest.
Some service providers may not be able to send passwords in the body of web service requests, these service providers will deliver the communication access credentials to the Surety Company separately.

The XML content submitted will contain the following content.

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2005/08/addressing”>
 <S:Header>
   <wsa:From>
     <wsa:Address>urn:abi:DM9</wsa:Address>
    </wsa:From>
  <wsa:To>urn:abi:S21</wsa:To>
  <wsa:Action>urn:myvan:RegReq</wsa:Action>
 </S:Header>
 <S:Body>
   <r:eBondRegistrationRequest
        xmlns:r="urn:us:csec:ebond:eBondRegistration"
```

```
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="urn:us:csec:ebond:eBondRegistration
https://www.myvan.descartes.com/schemas/ebond/eBondRegistrationRequest.xsd">
     <r:requestingBroker>DM9</r:requestingBroker>
     <r:requestingServiceProvider>DSG</r:requestingServiceProvider>
     <r:eBondServiceUrl>https://www.myvan.descartes.com/HttpUpload/SoapUploadHandler.aspx</r:eBond
ServiceUrl>
     <r:accessUsername>johnsure</r:accessUsername>
     <r:accessPassword>optional</r:accessPassword>
     <r:authenticityToken>BrokerSharedSecret</r:authenticityToken>
     <r:technicalContactName>Joe Broker</r:technicalContactName>
     <r:technicalContactEmail>Joe.Broker@customsbrokersinc.com</r:technicalContactEmail>
     <r:technicalContactPhone>+1 (555) 555-5555</r:technicalContactPhone>
   </r:eBondRegistrationRequest>
 </S:Body>
</S:Envelope>
```

And a possible response is:

```
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2005/08/addressing”>
 <S:Header>
   <wsa:From>
     <wsa:Address>urn:abi:DM9</wsa:Address>
    </wsa:From>
  <wsa:To>urn:abi:S21</wsa:To>
  <wsa:Action>urn:myvan:RegRes</wsa:Action>
 </S:Header>
 <S:Body>
   <r:eBondRegistrationResponse xmlns:r="urn:us:csec:ebond:eBondRegistration"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="urn:us:csec:ebond:eBondRegistration
https://www.myvan.descartes.com/schemas/ebond/eBondRegistrationResponse.xsd">
     <r:approved>false</r:approved>
     <r:reason>Surety Company ‘S21’ does not service Customs Broker with ABI filer code
‘DM9’</r:reason>
   </r:eBondRegistrationResponse>
 </S:Body>
</S:Envelope>
```

Please note that unlike the BrokerToSurety and the SuretyToBroker messages the eBondRegistrationRequest does not have a UsernameToken in the SOAP header.

Other Communication Protocols

Any specific Surety company may choose to support communication protocols beyond web services, such as secure FTP[3]. Messages sent via this web service protocol will be in the approved *BrokerToSurety* and *SuretyToBroker* XSD formats. All communication protocols should have Broker and Surety endpoints to allow for either party to push messages.

[3] FTP has its own access authentication method similar to Basic Authentication. Use of the WSA header and/or the UsernameToken elements are still recommended even when using FTP.

Reusability of connection

During the design of this interface the Broker and Surety participants expressed the intention to keep their service URLs the same for all their trading partners. This will enable information service providers to the Surety and Broker entities to reduce the configuration and support migrations in a more efficient manner.

Please also note that network access credentials are issued to the entities that directly use the web services, a service provider that represents a group of brokers can do that using a single set of access credentials. On premise-application providers will however use different sets of credentials for each of their broker customers.

Regardless of whether an information service provider is used or not, the SharedSecret between the Broker and the Surety should be different for each Broker-Surety combination.

Appendix A: Broker to Surety Schema

The following pages reflect the xsd code for the transmission of bond data elements from a customs broker's ABI system to their surety/surety agent.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Authored by Celeste Catano (KEWILL) XML SCHEMA version 1.0-->
<!--Edited by John Greco (SHEA) XML SCHEMA version 1.1-->
<!--Edited by Celeste Catano (KEWILL) XML SCHEMA version 1.2-->
<!--Edited by John Greco (SHEA) XML SCHEMA version 1.3-->
<!--Edited by Nathan Baylor (AVALON) XML SCHEMA version 1.4-->
<!--Edited by Fany Flores-Pastor (DESCARTES) XML SCHEMA version 1.6-->
<!--Edited by Nathan Baylor (AVALON) XML SCHEMA version 1.13-->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
        <xs:element name="BrokerToSuretyMessage">
                <xs:complexType>
                        <xs:sequence>
                                <xs:element name="BondHeader" type="BondHeaderT"/>
                                <xs:element name="EntryLines" type="EntryLinesT"
minOccurs="0" maxOccurs="unbounded"/>
                        </xs:sequence>
                </xs:complexType>
        </xs:element>
        <xs:complexType name="BondHeaderT">
                <xs:sequence>
                        <xs:element name="SuretyFilerCode">
                                <xs:annotation>
                                        <xs:documentation/>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:minLength value="3"/>
                                                <xs:maxLength value="3"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ImporterNumber">
                                <xs:annotation>
                                        <xs:documentation>Valid formats for the
Principal ID Number are:

NN-NNNNNNNXX
Internal Revenue Service (IRS) Number

YYDDPP-NNNNN
CBP-Assigned Number

NNN-NN-NNNN
Social Security Number

In these codes, N = number, X = alphanumeric, YY = the last two digits of the
calendar year when the number is assigned, DDPP = the district/port code where the
number is assigned.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="12"/>
                                                <xs:minLength value="11"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ImporterName">
                                <xs:annotation>
                                        <xs:documentation>Importers
Name</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
```

```
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="40"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ImporterAddressLine1">
                        <xs:annotation>
                                <xs:documentation>Importers 1st line of
physical address</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="100"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ImporterAddressLine2">
                        <xs:annotation>
                                <xs:documentation>Importers 2nd line of
physical address</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="100"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ImporterAddressCity">
                        <xs:annotation>
                                <xs:documentation>Importers City of
physical address</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="35"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ImporterAddressState">
                        <xs:annotation>
                                <xs:documentation>Importers State/Province
of physical address</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="2"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ImporterAddressZipCode">
                        <xs:annotation>
                                <xs:documentation>Importers Zip Code of
physical address</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="10"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
```

```
<xs:element name="ImporterAddressCountry">
        <xs:annotation>
                <xs:documentation>Importers Country of
physical address. Use ISO Country Codes.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="2"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="BondType">
        <xs:annotation>
                <xs:documentation>Always use
9</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="1"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="BondActivityCode">
        <xs:annotation>
                <xs:documentation>Valid Bond Activity
Codes include:

1 - Importer or Broker

1A - Drawback Payments Refunds

16 - Importer Security Filing (ISF)

</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="3"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="CBPBondNumber" minOccurs="0">
        <xs:annotation>
                <xs:documentation>Required when
BondDesignationCode = V (void) or C (adjust bond amount).  Do not submit for any
other BondDesignationCode.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="9"/>
                        <xs:minLength value="9"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="PortCode">
        <xs:annotation>
                <xs:documentation>Entry Port
Code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
```

```
                <xs:restriction base="xs:string">
                        <xs:maxLength value="4"/>
                        <xs:minLength value="4"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="BondDesignationCode">
        <xs:annotation>
                <xs:documentation>A code representing the
general purpose of the bond and the action to be taken.  Valid codes are:

B = Add a new basic bond.

A = An additional bond; the bond that secures an AD/CVD, PGA or any other aspect
not covered by the basic bond requirement. Applies to a Single Transaction Bond
only.

V = Void the Single Transaction Bond on file.

C = Adjust the bond amount of the Single Transaction Bond on file.

U = Substitute for the bond presented at time of entry. Applies to a Single
Transaction Bond only.

E = Supersede the bond presented at time of entry. Applies to a Single Transaction
Bond only.

R = Bond Rider to take the following actions: US Virgin
Islands.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="1"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="TransactionIDType">
        <xs:annotation>
                <xs:documentation>1 = Entry Number, 2 =
ISF Reference Number </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="1"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="TransactionID">
        <xs:annotation>
                <xs:documentation>Entry Number:
XXXNNNNNNNC,
ISF Transaction Number: Filed by a broker: FFFNNNNNNNNNNN or Filed by an Carrier
or Service Center:= FFFFNNNNNNNNNNN= FFFF = Filer code / SCAC,= NNNNNNNNNNN =
Numeric sequence number=</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="40"/>
                        <xs:minLength value="1"/>
                </xs:restriction>
        </xs:simpleType>
```

```
</xs:element>
<xs:element name="EntryType" minOccurs="0">
        <xs:annotation>
                <xs:documentation>Entry Types as Defined
by CBP </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="2"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="BondAmount">
        <xs:annotation>
                <xs:documentation>Bond Amount in whole US
dollars. Must be greater than zero.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction
base="xs:positiveInteger"/>
        </xs:simpleType>
</xs:element>
<xs:element name="STBBondProducerAccount" minOccurs="0">
        <xs:annotation>
                <xs:documentation>The Entry Filers
identification number assigned by the Surety company of the
STB.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="10"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="FirstSecondaryNotifyParty"
minOccurs="0">
        <xs:annotation>
                <xs:documentation>A code representing the
first secondary notify party authorized to receive the bond status notification.

The format must be NNNNXXXNN where NNNN is the Schedule D Code representing the
CBP port of the second notify party; XXX is the filer code; and NN is the office
code, if used by that filer.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="9"/>
                </xs:restriction>
        </xs:simpleType>
</xs:element>
<xs:element name="SecondSecondaryNotifyParty"
minOccurs="0">
        <xs:annotation>
                <xs:documentation>A code representing the
second secondary notify party authorized to receive the bond status notification.

The format must be NNNNXXXNN where NNNN is the Schedule D Code representing the
CBP port of the second notify party; XXX is the filer code; and NN is the office
code, if used by that filer.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
                <xs:restriction base="xs:string">
                        <xs:maxLength value="9"/>
```

```
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ThirdSecondaryNotifyParty"
minOccurs="0">
                                <xs:annotation>
                                        <xs:documentation>A code representing the
third secondary notify party authorized to receive the bond status notification.

The format must be NNNNXXXNN where NNNN is the Schedule D Code representing the
CBP port of the second notify party; XXX is the filer code; and NN is the office
code, if used by that filer.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="9"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="FourthSecondaryNotifyParty"
minOccurs="0">
                                <xs:annotation>
                                        <xs:documentation>A code representing the
fourth secondary notify party authorized to receive the bond status notification.

The format must be NNNNXXXNN where NNNN is the Schedule D Code representing the
CBP port of the second notify party; XXX is the filer code; and NN is the office
code, if used by that filer.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="9"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ExceptionContactName">
                                <xs:annotation>
                                        <xs:documentation> The name of a contact
at the broker/filers who can be contacted if there are issues/questions with
processing the bond.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="35"/>
                                                <xs:minLength value="1"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ExceptionContactEmail">
                                <xs:annotation>
                                        <xs:documentation> The Email address of a
contact at the broker/filers who can be contacted if there are issues/questions
with processing the bond.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="100"/>
                                                <xs:minLength value="1"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="ExceptionContactPhone">
                                <xs:annotation>
```

```
                                <xs:documentation> The Phone Number of a
contact at the broker/filers who can be contacted if there are issues/questions
with processing the bond.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="20"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="BrokerFilerReference" minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>A reference number
provided by the broker/filer that will be returned with the response
messages.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="25"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="EstimatedEnteredValue" type="xs:integer"
minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>Estimated Entered Value
in whole US dollars. Must be greater than zero.</xs:documentation>
                        </xs:annotation>
                </xs:element>
                <xs:element name="ISFDetail" type="ISFDetailT"
minOccurs="0" maxOccurs="1"/>
            </xs:sequence>
        </xs:complexType>
        <xs:complexType name="EntryLinesT">
            <xs:sequence>
                <xs:element name="LineNo" type="xs:positiveInteger"/>
                <xs:element name="EntryLineDetail" type="EntryLineDetailT"
minOccurs="1" maxOccurs="unbounded"/>
            </xs:sequence>
        </xs:complexType>
        <xs:complexType name="EntryLineDetailT">
            <xs:sequence>
                <xs:element name="HTSNumber">
                        <xs:annotation>
                                <xs:documentation>Harmonized Tariff
Schedule Number without format. A 6 digit number can be used for ISF, otherwise
supply 8 or 10 digits based on what is being sent on the entry
data.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="10"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="CountryOfOrigin">
                        <xs:annotation>
                                <xs:documentation>Country of Origin. Use
ISO Country Codes.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
```

```
                                <xs:maxLength value="2"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="TradeAgreementSpecialProgramClaimCode"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>A code that specifies an
applicable trade agreement or applicable program that may reduce or eliminate duty
and/or MPF(per CBP ACE ABI CATAIR - Entry Summary
Create/Update)</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:maxLength value="2"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="EstimatedEnteredValue" minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Estimated Entered Value
in whole US dollars for the line item. Must be greater than
zero.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction
base="xs:positiveInteger"/>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="LineDutyAmount" type="xs:decimal"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Duty Amount for the
line. 2 decimal places.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="IRTaxAmount" type="xs:decimal"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>IR Tax Amount for the
line. 2 decimal places.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="CommodityFeeAmount" type="xs:decimal"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Commodity Fee Amount for
the line. 2 decimal places. This includes fees like Cotton, Sugar, Potato and
Raspberry.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="OtherFeeAmount" type="xs:decimal"
minOccurs="0">
                        <xs:annotation>
                            <xs:documentation>Commodity Fee Amount for
the line. 2 decimal places. This includes fees like MPF and
HMF.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element name="EntryLinesADCVD" type="EntryLinesADCVDT"
minOccurs="0" maxOccurs="2"/>
                    <xs:element name="EntryLinesPGA" type="EntryLinesPGAT"
minOccurs="0" maxOccurs="unbounded"/>
```

```
            </xs:sequence>
        </xs:complexType>
        <xs:complexType name="EntryLinesADCVDT">
            <xs:sequence>
                <xs:element name="CaseNumber">
                    <xs:annotation>
                        <xs:documentation>AD or CVD Case
Number.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:maxLength value="10"/>
                            <xs:minLength value="1"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="ADDutyAmount" minOccurs="0">
                    <xs:annotation>
                        <xs:documentation>AD Duty Amount for the
line. 2 decimal places. Conditionally required when case is AD.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:long"/>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="CVDutyAmount" minOccurs="0">
                    <xs:annotation>
                        <xs:documentation>CVD Duty Amount for the
line. 2 decimal places. Conditionally required when case is
CVD.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:long"/>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="BondCashClaimCode">
                    <xs:annotation>
                        <xs:documentation>An indication as to
whether the duty amount is to be collected as a cash deposit or considered as
under a bond as prescribed by the case.

B = The duty amount is to be covered under a surety bond.

C = The duty amount is to be collected as a cash deposit.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:maxLength value="2"/>
                            <xs:minLength value="1"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="CaseDepositRate">
                    <xs:annotation>
                        <xs:documentation>Case Depoist Rate from
the AD/CVD Case Information. 2 decimal places.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:decimal"/>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="CaseRateTypeQualifier">
                    <xs:annotation>
```

```
                                <xs:documentation>The type of rate
prescribed by the case, which corresponds to the applicable deposit rate.

A = The case rate is an ad valorem rate.

S = The case rate is a specific rate.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="2"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ADCVDValueOfGoods">
                        <xs:annotation>
                                <xs:documentation> Value of the article,
to be used exclusively and in lieu of any other article value for the specific
purpose of calculating any estimated antidumping or countervailing duty (when an
ad valorem rate applies), reported in whole U.S. dollars.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction
base="xs:positiveInteger"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ADCVDQuanity">
                        <xs:annotation>
                                <xs:documentation>Total number of primary
units (which corresponds to the UOM Code prescribed by the case) to be used for
calculating the estimated antidumping or countervailing duty (when a specific rate
applies). Four decimal places.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:decimal"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ADCVDBondedDutyAmount" minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>Total bonded AD duty
amount. Two decimal places.  Conditionally required when case is
AD.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:decimal"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="ADCVDCashDepositAmount" minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>Conditionally required
when case is AD.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:long"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="NonReimbursementIndicator">
                        <xs:annotation>
                                <xs:documentation>Y = I hereby certify
that I have not entered into any agreement or understanding for the payment or for
the refunding to me, by the manufacturer, producer, seller, or exporter, of all or
any part of the antidumping duties or countervailing duties assessed upon
merchandise entered under this AD/CVD line of this entry summary. I further
```

```
certify that U.S. Customs and Border Protection will be notified if there is any
reimbursement of antidumping or countervailing duties by the manufacturer,
producer, seller, or exporter to the importing company at any time in the future
forthis AD/CVD line.</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="DeclarationIdentifier">
                                        <xs:annotation>
                                                <xs:documentation>Identifier of the
blanket AD/CVD Non-Reimbursement Declaration that includes this Case Number.
</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="10"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                        </xs:sequence>
                </xs:complexType>
                <xs:complexType name="ISFDetailT">
                        <xs:sequence>
                                <xs:element name="EstimatedVesselDepartureDate">
                                        <xs:annotation>
                                                <xs:documentation/>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:date"/>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="ActionReasonCode">
                                        <xs:annotation>
                                                <xs:documentation>CT = Complete
Transaction

FR = Flexible Range

FT = Flexible Timing

FX = Flexible Range and Flexible Timing</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="1"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="ActionCode">
                                        <xs:annotation>
                                                <xs:documentation/>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="1"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
```

```
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
            <xs:complexType name="EntryLinesPGAT">
                <xs:sequence>
                    <xs:element name="PGACode">
                        <xs:annotation>
                            <xs:documentation/>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:string">
                                <xs:maxLength value="3"/>
                                <xs:minLength value="3"/>
                            </xs:restriction>
                        </xs:simpleType>
                    </xs:element>
                    <xs:element name="PGADisclaimerCode">
                        <xs:annotation>
                            <xs:documentation>Y or N.  A code of Y
indicates that there is no agency delaration requirement.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction base="xs:string"/>
                        </xs:simpleType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
</xs:schema>
```

Appendix B: Surety to Broker Schema

The following pages reflect the xsd code for the transmission of bond data elements from a surety/surety agent to their customs broker clients ABI system.

```
<?xml version="1.0" encoding="utf-8"?>
<!--Authored by Celeste Catano (KEWILL) XML SCHEMA version 1.0-->
<!--Edited by John Greco (SHEA) XML SCHEMA version 1.1-->
<!--Edited by John Greco (SHEA) XML SCHEMA version 1.2-->
<!--Edited by Nathan Baylor (AVALON) XML SCHEMA version 1.4-->
<!--Edited by Nathan Baylor (AVALON) XML SCHEMA version 1.5-->
<!--Edited by Nathan Baylor (AVALON) XML SCHEMA version 1.8-->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
        <xs:element name="SuretyToBrokerMessage">
                <xs:complexType>
                        <xs:sequence>
                                <xs:element name="MessageLevelResult"
type="MessageLevelResultT"/>
                                <xs:element name="LineLevelResults"
type="LineLevelResultT" minOccurs="0" maxOccurs="unbounded"/>
                        </xs:sequence>
                </xs:complexType>
        </xs:element>
        <xs:complexType name="MessageLevelResultT">
                <xs:sequence>
                        <xs:element name="TransactionIDTypeCode">
                                <xs:annotation>
                                        <xs:documentation>1 = Entry Number, 2 =
ISF Reference Number </xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="1"/>
                                                <xs:minLength value="1"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="TransactionID">
                                <xs:annotation>
                                        <xs:documentation>Unique Transaction ID
based on the Transaction ID Type Code. Do not include spaces, hyphens, slashes or
other special characters.

Valid formats are:

Entry Number: XXXNNNNNNNC
ISF Transaction Number: Filed by a broker:FFFNNNNNNNNNNN or Filed by an Carrier or
Service Center: FFFFNNNNNNNNNNN where FFFF = Filer code / SCAC and NNNNNNNNNNN =
Numeric sequence number</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="40"/>
                                                <xs:minLength value="1"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="BrokerReferenceNumber">
                                <xs:annotation>
                                        <xs:documentation>A reference number
provided by the broker/filer that will be returned with the response
messages.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="25"/>
                                        </xs:restriction>
```

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</xs:simpleType>
</xs:element>
<xs:element name="DispositionCode">
<xs:annotation>
<xs:documentation>A = Accepted by CBP

E = Data Errors - see attached errors

R = Data Accepted by Surety - Pending Review

X = Bond Rejected by CBP - see attached errors</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="1"/>
<xs:minLength value="1"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="SuretyResponseCode" minOccurs="0">
<xs:annotation>
<xs:documentation>Code representing the
error or response:

B01 = Surety Rejection - Data Correction Required

B02 = Data Accepted - Pending Underwriting Review

B03 = Data Accepted - Bond Data Sent to CBP

B04 = Review Complete - Bond Data Sent to CBP

B05 = Review Complete - Bond Not Authorized

B06 = Bond Accepted by CBP

B07 = CBP Rejection - Correction Required</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="3"/>
<xs:minLength value="3"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="SuretyResponseDescription"
minOccurs="0">
<xs:annotation>
<xs:documentation>Description
corresponding to SuretyResponseCode.</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:string">
<xs:maxLength value="50"/>
<xs:minLength value="0"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="BondDesignationCode">
<xs:annotation>
<xs:documentation>Echo back what was sent
by the broker. A code representing the general purpose of the bond and the action
to be taken. Valid codes are:

B = Add a new basic bond.

A = An additional bond; the bond that secures an AD/CVD, PGA or any other aspect not covered by the basic bond requirement. Applies to a Single Transaction Bond only.

V = Void the Single Transaction Bond on file.

C = Adjust the bond amount of the Single Transaction Bond on file.

U = Substitute for the bond presented at time of entry. Applies to a Single Transaction Bond only.

E = Supersede the bond presented at time of entry. Applies to a Single Transaction Bond only.

R = Bond Rider to take the following actions: (1) Add Reconciliation Flag, (2) US Virgin Islands.

```
</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="1"/>
                                        <xs:minLength value="1"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="SuretyCode">
                        <xs:annotation>
                                <xs:documentation>Surety code as sent on
the entry/entry summary/ISF transactions.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string">
                                        <xs:maxLength value="3"/>
                                        <xs:minLength value="3"/>
                                </xs:restriction>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="BondAmount">
                        <xs:annotation>
                                <xs:documentation>Bond Amount in whole US
dollars. Must be greater than zero.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:long"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="SuretyReferenceNumber" minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>This is an option field
provided for the Surety/Surety Agent's internal use. A 9-character self-generated
surety reference number that a surety may opt to submit to CBP and have returned,
unmodified in the response from CBP.            </xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                                <xs:restriction base="xs:string"/>
                        </xs:simpleType>
                </xs:element>
                <xs:element name="CBPBondNumber" minOccurs="0">
                        <xs:annotation>
                                <xs:documentation>The CBP number assigned
```

```
to the bond. </xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="10"/>
                                                        <xs:minLength value="9"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="ImporterNumber">
                                        <xs:annotation>
                                                <xs:documentation>Valid formats for the
Principal ID Number are:
NNNNNNNNNXX Internal Revenue Service (IRS) Number
YYDDPP NNNNN CBP Assigned Number
NNN NN NNNN Social Security Number
In these codes, N = number, X = alphanumeric,
YY = the last two digits of the calendar year when the number is assigned,
DDPP = the district/port code where the number is assigned.
</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="12"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="ImporterName">
                                        <xs:annotation>
                                                <xs:documentation>Importer name returned
from CBP.</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="35"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="SuretyContactName" minOccurs="0">
                                        <xs:annotation>
                                                <xs:documentation>The name of a contact at
the surety/surety agent who can be contacted if there are issues/questions with
processing the bond.</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="35"/>
                                                        <xs:minLength value="1"/>
                                                </xs:restriction>
                                        </xs:simpleType>
                                </xs:element>
                                <xs:element name="SuretyContactEmail" minOccurs="0">
                                        <xs:annotation>
                                                <xs:documentation>The email address of a
contact at the surety/surety agent who can be contacted if there are
issues/questions with processing the bond.</xs:documentation>
                                        </xs:annotation>
                                        <xs:simpleType>
                                                <xs:restriction base="xs:string">
                                                        <xs:maxLength value="35"/>
                                                        <xs:minLength value="1"/>
```

```
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="SuretyContactPhone" minOccurs="0">
                                <xs:annotation>
                                        <xs:documentation>The phone number of a
contact at the surety/surety agent who can be contacted if there are
issues/questions with processing the bond.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                        <xs:restriction base="xs:string">
                                                <xs:maxLength value="20"/>
                                                <xs:minLength value="1"/>
                                        </xs:restriction>
                                </xs:simpleType>
                        </xs:element>
                        <xs:element name="MessageLevelReasonCodes"
type="ProcessingResultT" maxOccurs="unbounded"/>
                </xs:sequence>
        </xs:complexType>
        <xs:complexType name="LineLevelResultT">
                <xs:sequence>
                        <xs:element name="LineNo" type="xs:int"/>
                        <xs:element name="HTSNumber" type="xs:string"
minOccurs="0"/>
                        <xs:element name="LineLevelReasonCodes"
type="ProcessingResultT" maxOccurs="unbounded"/>
                </xs:sequence>
        </xs:complexType>
        <xs:complexType name="ProcessingResultT">
                <xs:sequence>
                        <xs:element name="ReasonCode" type="xs:string">
                                <xs:annotation>
                                        <xs:documentation>Reason why corresponding
SuretyResponseCode was generated.</xs:documentation>
                                </xs:annotation>
                        </xs:element>
                        <xs:element name="ReasonDescription" type="xs:string"
minOccurs="0">
                                <xs:annotation>
                                        <xs:documentation>Description of the
corresponding ReasonCode.</xs:documentation>
                                </xs:annotation>
                        </xs:element>
                </xs:sequence>
        </xs:complexType>
</xs:schema>
```

Appendix C: Surety Agent and Surety Company Relationship Table

Surety Agent	Surety Agent Filer Code	Surety Code & Company
Avalon Risk Management	GN4	035 – Great American Alliance Insurance Co. 054 – Southwest Marine and General Insurance Company
C.A. Shea & Company Inc.	WY8	001 – Travelers Casualty and Surety Company 037 – American Casualty Co. of Reading, PA 046 – Berkley Regional Insurance Company 052 – Aspen American Insurance Company 069 – American Home Assurance Company 110 – Argonaut Insurance Company 118 – Arch Insurance Company 120 – Philadelphia Indemnity Insurance Co. 128 – Atlantic Specialty Insurance Company 156 – Platte River Insurance Company 157 – Capitol Indemnity Corporation 213 – Continental Casualty Company 249 – Employers Insurance Company of Wausau 269 – Federal Insurance Company 281 – Fidelity & Deposit Company of Maryland 353 – Hanover Insurance Company 365 – Hartford Fire Insurance Co. 367 – Hartford Ins Co. of the Midwest 417 – Insurance Company of the State of Pennsylvania 457 – Liberty Mutual Insurance Co. 481 – Massachusetts Bay Insurance Co 541 – Natl. Fire Ins. Co of Hartford 565 – National Union Fire Insurance Co. of Pittsburg, PA 611 – Berkley Insurance Company 621 – The Ohio Casualty Insurance Co 653 – First Founders Assurance Company 732 – RLI Insurance Company 741 – Safeco Insurance Company of America 841 – The Travelers Indemnity Co 889 – Vigilant Insurance Company 897 – Westchester Fire Insurance Company 913 – Western Surety Company 945 – Zurich American Insurance Co.
Integro Insurance Brokers	WZC	050- Navigators Insurance Company 440 - Endurance Reinsurance Corporation of America
International Bond & Marine	WDU	856 – Lexon Insurance Co.
International Fidelity Insurance Co.	WZB	421 – International Fidelity Insurance Co.
Roanoke Insurance Group Inc.	AXV	036 – American Alternative Insurance Corporation 119 – Guarantee Company of North America