

SMS Broker System  
Software Integration

Our system uses  
WCF  
(Windows Communication Foundation)  
&  
.NET

## Foreign Trade Zone classes and interfaces.

(ver. from 8/31/2025)

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### 1. Special Notes.

**Actions.** Zone operator can take different actions (send transmissions with different options to Customs). Action names are standard Customs terms.

**Levels.** Actions can be taken on different levels – Admission (the most top level), Bill of Lading, In-Bond and Container. Action Qualifier is a number of a level.

Level	Action Qualifier
Admission	1
Bill of Lading	2
In-Bond	3
Container	4

Further in the text the “level” is used as “action qualifier” synonym for convenience.

**Admission level** in this context is the most top (header) level of CBPF FTZe214 document.

### 2. FTZ workflow.

There are two types of admission: standard and direct delivery.

#### Standard Admission.

1. Operator transmits CBPF214.
  2. CBP accepts CBPF214.
  3. Operator transmits Acceptance (Operator's Authorization).  
On Customs side Admission status becomes "AUTHORIZED".  
OR  
Operator transmits Refusal (Authorization denial).
 

Action Code H, level 1  
  
 Action Code G, level 1
  4. If it is a local freight transfer, operator transmits ePTT (request for freight delivery).
 

Action Code F, levels 2, 4
  5. Operator can transmit Permit to Transfer Cancel (ePTT Cancellation).
 

Action Code K, levels 2, 4
  6. At this point goods are physically transmitted to FTZ.
  7. Operator transmits Arrival (Quantities are not verified yet).
 

Action Code I, levels 2, 3, 4
  8. Operator transmits Concurrence (Quantities were verified already).
 

Action Code A, level 1;  
 Action Code B, level 2;  
 Action Code C, level 3;  
 Action Code D, level 4.
- On a Customs side Admission status is changed from "AUTHORIZED" to "CONCURRED".
9. Operator can transmit Post Admission Correction.(After any part of an admission has been concurred)  
On Customs side entire Admission status is changed back from "CONCURRED" to "AUTHORIZED".
 

Action Code J, level 1
  10. Operator can transmit CBPF214 with Zone Status Change request (only after Admission Final Concurrence). *Admission Type = C*

Action Code = S
  11. CBP accepts CBPF214.

#### **Direct Delivery Admission.**

1. Operator transmits ePTT (request for freight delivery)
 

Action Code F, levels 2, 4
  2. Operator can transmit Permit to Transfer Cancel (ePTT Cancellation).
 

Action Code K, levels 2, 4
  3. At this point goods physically transmitted to FTZ.
  4. Operator transmits CBPF214.
  5. CBP accepts CBPF214.
  6. Operator transmits Arrival (Quantities are not verified yet)
 

Action Code I, levels 2, 3, 4
  7. Operator transmits Concurrence (Quantities were verified already).
 

Action Code A, level 1;  
 Action Code B, level 2;  
 Action Code C, level 3;  
 Action Code D, level 4.
- On a Customs side Admission status is changed from "AUTHORIZED" to "CONCURRED".
8. Operator can transmit Post Admission Correction.(After any part of an admission has been concurred)  
On Customs side entire Admission status is changed back from "CONCURRED" to "AUTHORIZED".
 

Action Code J, level 1

FT-App (Only after Admission Final Concurrence):

9. Operator can transmit CBPF214 with Zone Status Change request  
(only after Admission Final Concurrence) *Admission Type = C*      Action Code = S
10. CBP accepts CBPF214

The follow matrix explains what actions are allowed depending on selected level.

**Operators Action-Level Matrix.**

Level \ Action Code	A	B	C	D	F	G	H	J	K	I	S
1 (Admission)	X					X	X	X			X
2 (BOL)		X			X				X	X	
3 (In-Bond)			X							X	
4 (Container)				X	X				X	X	

As for SMS-system, finally Operator's actions result in a putting of transmissions with some action code to queue. Please, look for details at 4. *FTZe214, [2] - PutToQueue() method in this document.*

### 3. Foreign Trade Zone.

An object of [ForeignTradeZone](#) class contains an info about Foreign Trade Zone. In SMS-system you can have a list of FTZ zones and select necessary one when file CBPF FTZe214.

**Class:** [\[DataContract\]](#)

`SMS.Broker.DataContracts.Directories.ForeignTradeZone` : [EntityDirectory](#) [1]

**Properties:**

Attributes	Name	Type	Description
<a href="#">[Required]</a> <a href="#">[StringLength(9)]</a> <a href="#">[DataMember]</a>	Code	<a href="#">string</a>	Zone ID.
<a href="#">[DataMember]</a>	DirectDeliveryPrivilegesGranted	<a href="#">bool</a>	Yes, if Direct Delivery is granted.
<a href="#">[DataMember]</a> <a href="#">[ForeignKey("FIRMS_Id")]</a>	FIRMS	<a href="#">FIRM</a>	FTZ site.
<a href="#">[DataMember]</a>	FIRMS_Id	<a href="#">long?</a>	Id of FTZ site.
<a href="#">[DataMember]</a> <a href="#">[ForeignKey("Grantee_Id")]</a>	Grantee	<a href="#">Contact</a>	Grantee contact.
<a href="#">[DataMember]</a>	Grantee_Id	<a href="#">long?</a>	Id of Grantee contact.
<a href="#">[StringLength(50)]</a> <a href="#">[DataMember]</a>	Name	<a href="#">string</a>	Zone name.
<a href="#">[DataMember]</a> <a href="#">[ForeignKey("Operator_Id")]</a>	Operator	<a href="#">Contact</a>	Operator contact.
<a href="#">[DataMember]</a>	Operator_Id	<a href="#">long?</a>	Id of Operator contact.

**Interface:** [ServiceContract]  
SMS.Broker.ServiceContracts.Directories.IForeignTradeZoneManager :  
IEntityManagerDirectory<ForeignTradeZone> [1]

#### 4. FTZe214.

An object of FTZe214 class represents a header of CBPF FTZe214. It contains Conveyances as a collection.

**Class:** [DataContract]  
SSMS.Broker.DataContracts.Documents.FTZe214 : EntityDocument [1]

##### Properties:

Attributes	Name	Type	Description
[DataMember] [StringLength(3)]	ABIFilerCode	string	Filer code.
[DataMember] [StringLength(9)]	ABIRoutingCode	string	Code that is used if filer of e214 wants copy sent to another ABI participant broker download.
[DataMember] [StringLength(1)]	ActionStatus	string	A result of the last action.  Has Possible Values.
[DataMember] [ForeignKey("ApplicantForAdmission_OrAdmission_Id")]	ApplicantForAdmission	Contact	Applicant for admission contact. It is mandatory if the Applicant for Admission is different from the FTZ Zone Operator.
[DataMember]	ApplicantForAdmission_Id	long?	
[DataMember] [StringLength(20)]	ClientRef	string	Client reference. (Any information for convenience.)
[DataMember] [InverseProperty("FTZe214")]	Conveyances	List<FTZe214Conveyance>	Collection of conveyances.
[DataMember]	DirectDeliveryIndicator	bool	Yes, if it is Direct Delivery admission.
[DataMember] [ForeignKey("ForeignTradeZone_Id")]	ForeignTradeZone	ForeignTradeZone	Foreign Trade Zone.
[DataMember]	ForeignTradeZone_Id	long?	Foreign Trade Zone Id.
[DataMember] [InverseProperty("FTZe214")]	LastStatuses	List<EntityLastStatus>	Last status collection.  Last statuses of FTZe214 document.
[DataMember] [StringLength(2)]	PostAdmissionCorrectionReasonCode	string	Has Possible Values.
[DataMember] [DecimalPrecisionAttribute(10, 0)]	ReceivedQuantity	decimal	Received quantity. Concurrence action.

[DataMember] [StringLength(50)]	ReplacementReferenceId	string	Not used.
[DataMember] [StringLength(2)]	ReplaceReasonCode1	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode2	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode3	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode4	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode5	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode6	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode7	string	Reason Code for Replace transaction.  Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(2)]	ReplaceReasonCode8	string	Reason Code for Replace transaction.  Has Possible Values.
[DataMember] [StringLength(780)] [Column(TypeName = "text")]	ReplaceReasonRemarks	string	Open text remarks providing an additional information about the replace transaction.
[DataMember] [InverseProperty("FTZe214")] [Obsolete("LastStatuses", false)]	Statuses	List<EntityStatus>	Obsolete. Use LastStatuses instead.  Statuses of FTZe214 document.

**Interface:** [ServiceContract]  
SMS.Broker.ServiceContracts.Documents.IFTZe214Manager :  
IEntityManagerDocument<SMS.Broker.DataContracts.Documents.FTZe214> [1]

**Instance methods:**

Attributes	Name	Type	Description
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[OperationContract] [FaultContract(typeof(EntryValidationFault))] [FaultContract(typeof(ActionFault))] 	PutToQueue(long entityId, FTZe214.ActionQUE action)	long	Puts a transmission object to queue.[2]
--	---	------	---

[1] – The features of FTZe214 those differ from other Operation Contract inherited classes.

a) New(long? SourceId) method returns a new IFTZe214Manager class object. Its number will be assigned by “FTZe214” sequence.

b) ValidateTreeById(long Id, string action)

action:

"QUE FT A", "QUE FT R", "QUE FZ A" - on FTZ case ValidateTreeById(long Id, string action) method makes the same data validation as it is used before to send ABI application (FT add, FT replace or FZ) to Customs. If validation process was not successful EntryValidationFault will be thrown.

Note 1. Please, don't confuse **action** parameter in this method with action in FTZ workflow context. In ValidateTreeById(long Id, string **action**) method **action** parameter:

1. For whole FTZ document is a concatenation of "QUE", application code ("FT" or "FZ") and FTZ action code separated by spaces.

For example, "QUE" + " " + "FT" + " " + "A" means FTZ add; "QUE" + " " + "FZ" + " " + "A" means Admission Concurrence.

2. For other levels is a concatenation of "QUE", application code ("FT" or "FZ"), FTZ action code separated by spaces and entity link separated by comma.

For example, "QUE" + " " + "FZ" + " " + "I" + " " + "FTZe214ConveyanceBillInBond=22" means Arrival of In-Bond with Id = 22;

"QUE" + " " + "FZ" + " " + "D" + " " + "FTZe214ConveyanceBillContainer=156" means Concurrence for Container with Id=156.

b) The follow statuses are used for FTZe214.

Entity status type:

EntityType.ABIAppQUE

Entity status values:

EntityStatusValue.ABIAppPutToQUE

EntityStatusValue.ABIAppQUEInProgress

EntityStatusValue.ABIAppPutToQUEError

EntityStatusValue.ABIAppSent

EntityStatusValue.ABIAppAccepted

EntityStatusValue.ABIAppRejected

EntityStatusValue.ABIAppIncoming

Entity status type:

EntityType.ABIAppCustoms

Entity status values:

EntityStatusValue.ABIAppCustomsAccepted

EntityStatusValue.ABIAppCustomsDeletedInCustoms

More information about EntityLastStatus class you can see in 01. Getting Started With SMS API.pdf, 5.1 Basic framework. and 05. Base, common usage classes and interfaces.pdf, 7. Entity Last Status.

On the table bellow you can see all changes in FTZ document last status (Status Type and Status Value properties) those undergo during data exchange with Customs. The actions which suggest some workflow problem are marked in red.

Action	Status Type	Status Value
FT Put to queue→	EntityType.ABIAppQUE	EntityStatusValue.ABIAppPutToQUE
FT ←Put to queue error	EntityType.ABIAppQUE	EntityStatusValue.ABIAppPutToQUEError
FT ←Remove (if necessary)	EntityType.ABIAppQUE	EntityStatusValue.ABIAppRemoveFromQUE
FT Transmit→	EntityType.ABIAppQUE	EntityStatusValue.ABIAppSent

NF ←Get file	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppIncoming</a>
NF ←Get with error	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppIncomingError</a>
NF ←Rejected	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppRejected</a>
NF ←Accepted	<a href="#">EntityStatusType.ABIAppCustoms</a>	<a href="#">EntityStatusValue.ABIAppCustomsAccepted</a>
NF ←Deleted (Canceled) by Customs by importer's request.	<a href="#">EntityStatusType.ABIAppCustoms</a>	<a href="#">EntityStatusValue.ABIAppCustomsDeletedInCustoms</a>
FZ Put to queue→	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppPutToQUE</a>
FZ ←Put to queue error	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppPutToQUEError</a>
FZ ←Remove (if necessary)	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppRemoveFromQUE</a>
FZ Transmit→	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppSent</a>
NF ←Get file	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppIncoming</a>
NF ←Get with error	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppIncomingError</a>
NF ←Rejected	<a href="#">EntityStatusType.ABIAppQUE</a>	<a href="#">EntityStatusValue.ABIAppRejected</a>
NF ←Accepted	<a href="#">EntityStatusType.ABIAppCustoms</a>	<a href="#">EntityStatusValue.ABIAppCustomsAccepted</a>

FT – “Foreign Trade Zone Admission (e214)” Customs incoming (our outgoing) file to transmit “actual” e214 and action S (Zone status change), if necessary.

FZ – “PTT, Operator Declarations & Concurrences” Customs incoming (our outgoing) file to transmit all other actions (ePTT request, arrival, concurrence and so on).

NF – FT and FZ submissions responses – Customs outgoing (our incoming) file.

*Note 2. Customs response to FT and FZ submission usually contains more than one NZ file. Respectively you can see more than one response ABI Transmission objects per one outgoing FT or FZ ABI transmission object (For detailed information about [ABITransmission](#) class please see 01. Getting Started With SMS API.pdf, 5.1 Basic framework. and 07. ABI classes and interfaces.pdf, 2. ABI Transmission).*

**[2]** – `PutToQueue(long entityId, FTZe214.ActionQUE action)` method is used on FTZ case to simplify the call of more general `PutToQueue(string AppId, List<Parameter> parameters)` method described in `SMS.Broker.ServiceContracts.ISmsABIManager`.

Available actions and related entity types (classes) you can see on this table:

File code	Level	Action code	Class of entity, which Id is used.	Action
FT	Admission	A	<a href="#">FTZe214</a>	<a href="#">ActionQUE.AddFTZe214</a>
FT	Admission	R	<a href="#">FTZe214</a>	<a href="#">ActionQUE.ReplaceFTZe214</a>
FT	Admission	D	<a href="#">FTZe214</a>	<a href="#">ActionQUE.DeleteFTZe214</a>
FT	Admission	S	<a href="#">FTZe214</a>	<a href="#">ActionQUE.ChangeZoneStatusFTZe214</a>
FZ	Admission	H	<a href="#">FTZe214</a>	<a href="#">ActionQUE.AdmissionAcceptance</a>
FZ	Admission	G	<a href="#">FTZe214</a>	<a href="#">ActionQUE.AdmissionRefusal</a>
FZ	Admission	A	<a href="#">FTZe214</a>	<a href="#">ActionQUE.AdmissionConcurrence</a>
FZ	Admission	J	<a href="#">FTZe214</a>	<a href="#">ActionQUE.AdmissionPostCorrection</a>
FZ	Bill	F	<a href="#">FTZe214ConveyanceBill</a>	<a href="#">ActionQUE.BillePTTRequest</a>
FZ	Bill	K	<a href="#">FTZe214ConveyanceBill</a>	<a href="#">ActionQUE.BillePTTCancelation</a>
FZ	Bill	I	<a href="#">FTZe214ConveyanceBill</a>	<a href="#">ActionQUE.BillGoodsArrival</a>
FZ	Bill	B	<a href="#">FTZe214ConveyanceBill</a>	<a href="#">ActionQUE.BillConcurrence</a>
FZ	In-Bond	I	<a href="#">FTZe214ConveyanceBillInBond</a>	<a href="#">ActionQUE.InBondGoodsArrival</a>

FZ	In-Bond	C	FTZe214ConveyanceBillInBond	ActionQUE.InBondConcurrency
FZ	Container	F	FTZe214ConveyanceBillContainer	ActionQUE.ContainerPTTRequest
FZ	Container	I	FTZe214ConveyanceBillContainer	ActionQUE.ContainerGoodsArrival
FZ	Container	D	FTZe214ConveyanceBillContainer	ActionQUE.ContainerConcurrency

For example:

```
var mngr =
ClientContext.ServicesFactory.GetManager<SMS.Broker.ServiceContracts.Documents.IFTZe214Manager>();
mngr.PutToQUE(1275L, FTZe214.ActionQUE.BillConcurrency);
```

Here, we put to queue a transmission of action “B” (Concurrency on Bill level) of entity of [FTZe214ConveyanceBill](#) class with Id = 1275L.

**[3]** If a submitting of some action is successful (Customs accept it) the action status of object (Admission, Bill, In-Bond, Container) is changed – the queued action becomes the current action status. In a general case the status of other related objects can be changed also. For example, some bill has two containers. Then, if its status becomes “I” (Arrived) the statuses of included containers also becomes “I” (Arrival). And vice versa, if one of containers already had “I” (Arrival) status then if another container becomes also “I” (Arrival) the whole bill also becomes “I” (Arrival). This works for all levels and objects.

#### 4.1. FTZ Conveyance.

An object of [FTZe214Conveyance](#) class contains an info about Conveyance. It contains Bills collection.

**Class:** [DataContract](#)

SMS.Broker.DataContracts.Documents.FTZe214Conveyance : [EntityChild](#)

##### Properties:

Attributes	Name	Type	Description
[StringLength(1)] [DataMember]	AdmissionType	string	Type of Admission code. Has Possible Values.
[DataMember] [InverseProperty("Conveyance")]	Bills	List<FTZe214ConveyanceBill>	Collection of bills.
[DataMember] [ForeignKey("Carrier_Id")]	Carrier	Carrier	Conveyance carrier.
[DataMember]	Carrier_Id	long?	Conveyance carrier Id.
[DataMember] [StringLength(23)]	ConveyanceName	string	Conveyance name.
[DataMember] [Column(TypeName = "date")]	DateOfExport	DateTime?	Date of export.
[DataMember] [Column(TypeName = "date")]	DateOfImport	DateTime?	Date of import.
[DataMember] [Column(TypeName = "date")]	DateOfScheduledArrival	DateTime?	Scheduled date of arrival of the conveyance into the US.
[ForeignKey("FTZe214_Id")] [DataMember]	FTZe214	FTZe214	Parent FTZ document.
[DataMember]	FTZe214_Id	long	Parent FTZ document Id.
[DataMember] [ForeignKey("PortOfUnlading_Id")]	PortOfUnlading	CustomsPort	U.S. domestic port where the shipment is



			off-loaded from the importing conveyance.
[DataMember]	PortOfUnlading_Id	long?	U.S. domestic port Id.
[DataMember] [StringLength(2)]	TransportationMode	string	Mode of transportation code. Has Possible Values.
[DataMember] [StringLength(15)]	TripIdentifier	string	Vessel voyage, truck/rail trip or aircraft flight number.

#### Instance methods:

Attributes	Name	Type	Description
	ToShortString()		Line.ToString() + ". " + "(" + (AdmissionType ?? "") + ") " + (Carrier == null ? "" : Carrier.Code)
	ToString()	string	The same as ToShortString()

### 4.1.1. FTZ Conveyance Bill.

**FTZe214ConveyanceBill** class object contains Bill of Lading information. It contains Containers, InBonds and Tariffs collections.

**Class:** [DataContract]

SMS.Broker.DataContracts.Documents.FTZe214ConveyanceBill : EntityChild

#### Properties:

Attributes	Name	Type	Description
[DataMember] [StringLength(1)]	ActionStatus	string	A result of the last action. Has Possible values.
[DataMember] [StringLength(35)]	AirHouseBill	string	Air House Bill.
[DataMember] [StringLength(35)]	BillOfLadingOrAirWaybill	string	Bill of Lading or Airwaybill number.
[DataMember]	BondedCarrierIRSNumbers	string	IRS Identifiers of Bonded Carrier, separated by commas.
[DataMember] [InverseProperty("Bill")]	Containers	List<FTZe214ConveyanceBillContainer>	Collection of containers.
[ForeignKey("Conveyance_Id")] [DataMember]	Conveyance	FTZe214Conveyance	Parent conveyance.
[DataMember]	Conveyance_Id	long	Parent conveyance Id.
[DataMember] [StringLength(2)]	CountryOfExport	string	Country of Export. Has Possible values.
[DataMember] [StringLength(2)]	DeliveryCode	string	Has Possible values: <b>PA</b> – Partial manifest reported, <b>FI</b> – Final manifest portion reported.

[DataMember] [ForeignKey("ForeignLoadPort_Id")]	ForeignLoadPort	ForeignPort	Foreign Load Port.
[DataMember]	ForeignLoadPort_Id	long?	Foreign Load Port Id.
[DataMember] [InverseProperty("Bill")]	InBonds	List<FTZe214ConveyanceBillInBond>	Collection of In-Bonds.
[DataMember] [StringLength(19)]	PTTUniqueIdentifier	string	Permit to Transfer Unique Identifier is returned to the filer if a request for PTT is successful.
[DataMember] [DecimalPrecisionAttribute(10, 0)]	Quantity	decimal	Quantity.
[DataMember] [DecimalPrecisionAttribute(10, 0)]	ReceivedQuantity	decimal	For concurrences and arrival of goods actions it is a received quantity.  For PTT request action it is a quantity being moved.
[DataMember] [InverseProperty("Bill")]	Tariffs	List<FTZe214ConveyanceBillTariff>	Collection of tariffs.

#### Instance methods:

Attributes	Name	Type	Description
	ToShortString()		Line.ToString() + ". " + (BillofLadingOrAirWaybill ?? "") + " " + (AirHouseBill ?? "")
	ToString()	string	The same as ToShortString()

#### 4.1.1.1. FTZ Conveyance Bill Container.

[FTZe214ConveyanceBillContainer](#) class object represents container information.

**Class:** [DataContract]

SMS.Broker.DataContracts.Documents.[FTZe214ConveyanceBillContainer](#) : [EntityChild](#)

#### Properties:

Attributes	Name	Type	Description
[DataMember] [StringLength(1)]	ActionStatus	string	A result of the last action. Has Possible Values.
[ForeignKey("Bill_Id")] [DataMember]	Bill	<a href="#">FTZe214ConveyanceBill</a>	Parent Bill.
[DataMember]	Bill_Id	long	Parent Bill Id.
[DataMember] [StringLength(2)]	DeliveryCode	string	Has Possible Values: <b>PA</b> – Partial manifest reported, <b>FI</b> – Final manifest portion reported.
[DataMember]	ManifestedQuantity	decimal	Manifested quantity for

<code>[DecimalPrecisionAttribute(15, 0)]</code>			PTT.
<code>[DataMember]</code> <code>[StringLength(15)]</code>	Number	string	Container number.
<code>[DataMember]</code> <code>[StringLength(19)]</code>	PTTUniqueIdentifier	string	Permit to Transfer Unique Identifier is returned to the filer if a request for PTT is successful.
<code>[DataMember]</code> <code>[DecimalPrecisionAttribute(10, 0)]</code>	ReceivedQuantity	decimal	For concurrences and arrival of goods actions it is a received quantity.  For PTT request action it is a quantity being moved.

#### Instance methods:

Attributes	Name	Type	Description
	ToShortString()		<code>result = Line.ToString() + ". " + Number ?? ""</code>
	ToString()	string	The same as ToShortString()

### 4.1.1.2. FTZ Conveyance Bill In-Bond.

`FTZe214ConveyanceBillInBond` class object represents In-Bond information.

**Class:** `[DataContract]`

`SMS.Broker.DataContracts.Documents.FTZe214ConveyanceBillInBond` : `EntityChild`

#### Properties:

Attributes	Name	Type	Description
<code>[DataMember]</code> <code>[StringLength(1)]</code>	ActionStatus	string	A result of the last action. Has Possible Values.
<code>[ForeignKey("Bill_Id")]</code> <code>[DataMember]</code>	Bill	<code>FTZe214ConveyanceBill</code>	Parent Bill.
<code>[DataMember]</code>	Bill_Id	long	Parent Bill Id.
<code>[DataMember]</code> <code>[ForeignKey("Carrier_Id")]</code>	Carrier	Carrier	Parent Bill Id.
<code>[DataMember]</code>	Carrier_Id	long?	A result of the last action. Has Possible Values.
<code>[Column(TypeName = "date")]</code> <code>[DataMember]</code>	InBondDate	DateTime?	In-Bond date.
<code>[DataMember]</code> <code>[StringLength(35)]</code>	Number	string	In-Bond number.
<code>[DataMember]</code> <code>[DecimalPrecisionAttribute(10, 0)]</code>	ReceivedQuantity	decimal	For concurrences and arrival of goods actions it is a received quantity.

**Instance methods:**

Attributes	Name	Type	Description
	ToShortString()		result = Line.ToString() + ". " + (Number ?? "");
	ToString()	string	The same as ToShortString()

**4.1.1.3. FTZ Conveyance Bill Tariff.**

**FTZe214ConveyanceBillTariff** class object contains an information about tariff.

**Class:** [DataContract]

SMS.Broker.DataContracts.Documents.FTZe214ConveyanceBillTariff : EntityChild

**Properties:**

Attributes	Name	Type	Description
[DataMember] [StringLength(22)]	AluminumImportLicense	string	Aluminum Import License number.
[ForeignKey("Bill_Id")] [DataMember]	Bill	FTZe214ConveyanceBill	Parent Bill.
[DataMember]	Bill_Id	long	Parent Bill Id.
[DataMember] [DecimalPrecisionAttribute(10, 0)]	Charges	decimal	The total charges involved in transporting the shipment from foreign to the U.S. FTZ in whole U.S. dollars.
[DataMember] [StringLength(15)]	ContainerNumber	string	Container number where the merchandise is placed to.
[DataMember] [StringLength(2)]	CountryOfOrigin	string	Country of Origin.  Has Possible Values.
[DataMember] [StringLength(45)]	Description	string	Description of merchandise.
[DataMember] [DecimalPrecisionAttribute(8, 2)]	HarborMaintenanceFee	decimal	Harbor Maintenance Fee (HMF) in U.S. dollars and cents.
[DataMember] [ForeignKey("HarmonizedTariff_Id")]	HarmonizedTariff	HarmonizedTariff	Harmonized tariff from Harmonized Tariff Schedule.
[DataMember]	HarmonizedTariff_Id	long?	Harmonized tariff Id.
[DataMember] [StringLength(3)]	InventoryUnitOfMeasure	string	The unit of measure for the inventory quantity affected by the Merchandise Zone Status Change.
[DataMember] [StringLength(22)]	KimberleyProcessCertificate	string	Kimberley Process Certificate number.
[DataMember] [DecimalPrecisionAttribute(5, 0)]	LineItemIdentifier	decimal	Line Item Number. <b>[1]</b>

[DataMember] [DecimalPrecisionAttribute(15, 0)]	ManifestedQuantity	decimal	For CBPF 214A print form only.
[DataMember] [ForeignKey("Manufacturer_Id")]	Manufacturer	Contact	Manufacturer contact.
[DataMember]	Manufacturer_Id	long?	Manufacturer contact Id.
[DataMember] [StringLength(1)]	PriorNoticeDisclaimerFlag	string	"Y", if HTS is disclaimable for FDA Prior Notice. Has Possible Values.
[DataMember] [DecimalPrecisionAttribute(12, 2)]	Quantity1	decimal	Total number of primary units, associated with harmonized tariff that corresponds to UnitOfMeasure1. Has Possible Values.
[DataMember] [DecimalPrecisionAttribute(12, 2)]	Quantity2	decimal	Total number of secondary units, associated with harmonized tariff that corresponds to UnitOfMeasure2.
[DataMember] [DecimalPrecisionAttribute(12, 2)]	QuantityToBeAffected	decimal	Quantity of inventory units to be affected by the Merchandise Zone Status Change.
[DataMember] [StringLength(3)]	QuotaCategory	string	Quota category.
[DataMember] [StringLength(7722)]	Remarks	string	Description of merchandise/or other pertinent information.
[DataMember] [StringLength(1)]	RequestedZoneStatus	string	Code of Merchandise Zone Status for the goods to be affected by the Merchandise Zone Status Change Request.  Has Possible Values.
[DataMember] [StringLength(1)]	SpecialProgramIndicator	string	The primary SPI indicator.  Has Possible Values.
[DataMember] [StringLength(2)]	SpecialProgramIndicatorCountry	string	Country Code related to SPI.  Has Possible Values.
[DataMember] [StringLength(1)]	SpecialProgramIndicatorSecondary	string	The Secondary Special Program Indicator.  Has Possible Values.
[DataMember] [StringLength(22)]	SteelImportLicense	string	Steel Import License number.
[DataMember]	Tariff	CustomerTariff	Customer tariff.

[ForeignKey("Tariff_Id")]			
[DataMember]	Tariff_Id	long?	Customer tariff Id.
[DataMember] [StringLength(3)]	UnitOfMeasure1	string	A unit of measure code that corresponds to Quantity1.  Has Possible Values.
[DataMember] [StringLength(3)]	UnitOfMeasure2	string	A unit of measure code that corresponds to Quantity2.  Has Possible Values.
[DataMember] [DecimalPrecisionAttribute(12, 0)]	Value	decimal	Value of the shipment in whole U.S. dollars.
[DataMember] [DecimalPrecisionAttribute(10, 0)]	Weight	decimal	Gross weight of the shipment.
[DataMember] [StringLength(1)]	ZoneStatus	string	Code indicating FTZ status. Has Possible Values.

**[1]** – `LineItemIdentifier` is formed programmatically on client side. The line numbering should begin with "00001" for each Bill and increment sequentially in ascending order ("00002", "00003" and so on).

#### Instance methods:

Attributes	Name	Type	Description
	ToShortString()		result = Line.ToString() + ". " + (Tariff == null ? "" : Tariff.Code)
	ToString()	string	The same as ToShortString()