PIPE to PIP Source Info - Implementation Guide for Ontario v1.1

Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
PIPE Document	PIPEDocument	Document type name, stands for Participant Interface Process for Energy.		PIPEDocument	MarketParticipantDirectory, PIPTransaction	N/A	N/A	N/A	N/A	N/A	1 PIPE Document per PIPE Document		
XML Name Space	xmlns	Uniquely identifies the XML name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Name Space Schema Instance	xmlns:xsi	Defines the schema instance being used.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Schema Instance location	xsi:schemaLocation	Associates the actual schema instance being used to the name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
Version	Version	Identifies the version of the PIPEDocument schema.	A	PIPEDocument	N/A	N/A	1.1	Enumerated (1.1)	N/A	N/A	M	DE-enumerate Enbridge-In EnTRAC schema, length is 10	Revised per DE but suggest WG discussion
Document Reference Number	DocumentReferenceNumber	Uniquely identifies this PIPEDocument.	A	PIPEDocument	N/A	N/A	N/A	String	30	N/A	M	Enbridge-In EnTRAC schema, the length is 100	left at 30 based on previous WG discussion
Creation Date and Time	CreationDate	System date and time stamp of when the transaction is generated.	A	PIPEDocument	N/A	N/A	N/A	Date (yyyymmddhhmmssmsstz)	19	N/A	M		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.	E	MarketParticipantDirectory	Recipient, Sender	PIPEDocument	(see Market Participant Directory data structure)	N/A	N/A	N/A	M		
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.	E	PIPTransaction	Enrol Request	PIPEDocument	(see PIP Transaction data structure)	N/A	N/A	N/A	1 or more		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.		MarketParticipantDirectory	Recipient, Sender	PIPEDocument	N/A	N/A	N/A	N/A	1 Market Participant Directory per PIPE Document		
Sender	Sender	Used to identify the sender of the PIPE document.	E	Sender	MarketParticipant	MarketParticipantDirectory	(see Sender data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.	E	Recipient	MarketParticipant	MarketParticipantDirectory	(see Recipient data structure)	N/A	N/A	N/A	M		
Sender	Sender	Used to identify the sender of the PIPE document.		Sender	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Sender per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Sender	(see Market Participant data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.		Recipient	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Recipient per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient	(see Market Participant data structure)	N/A	N/A	N/A	M		
Market Participant	MarketParticipant	Identifies the Market Participants.		MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient, Sender	N/A	N/A	N/A	N/A	1 Market Participant per Sender and 1 per Recipient		
Company Name	CompanyName	Tag used to define the name of the company a Consumer already has service with or would like to establish service with.	E	CompanyName	N/A	MarketParticipant	N/A	String	300	N/A	M	Enbridge-In EnTRAC schema, the length is 300	Field Length incorrectly read String - revised consistent with Enbridge comment (previous may have been 60) - need WG discussion
Market Participant Identifier	MarketParticipantIdentifier	Tag used to uniquely identify a company or business.	E	MarketParticipantIdentifier	N/A	MarketParticipant	N/A	String	10	N/A	M	Enbridge-In EnTRAC schema, the length is 15	no change made - WG discussion
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.		PIPTransaction	EnrolRequest	PIPEDocument	N/A	N/A	N/A	N/A	1 or more PIP Transaction per PIPE Document		
Version	Version	Identifies the version of the PIP Document schema.	A	Version	N/A	N/A	N/A	String	5	N/A	M		
Transaction Reference Number	TransactionReferenceNumber	Uniquely identifies this PIP transaction.	A	TransactionReferenceNumber	N/A	N/A	N/A	String	30	N/A	M		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
PIPE Document	PIPEDocument	Document type name, stands for Participant Interface Process for Energy.		PIPEDocument	MarketParticipantDirectory, PIPTransaction	N/A	N/A	N/A	N/A	N/A	1 PIPE Document per PIPE Document		
XML Name Space	xmlns	Uniquely identifies the XML name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Name Space Schema Instance	xmlns:xsi	Defines the schema instance being used.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Schema Instance location	xsi:schemaLocation	Associates the actual schema instance being used to the name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
Version	Version	Identifies the version of the PIPEDocument schema.	A	PIPEDocument	N/A	N/A	1.1	Enumerated (1.1)	N/A	N/A	M	DE-enumerate Enbridge-In EnTRAC schema, length is 10	Revised per DE but suggest WG discussion
Document Reference Number	DocumentReferenceNumber	Uniquely identifies this PIPEDocument.	A	PIPEDocument	N/A	N/A	N/A	String	30	N/A	M	Enbridge-In EnTRAC schema, the length is 100	left at 30 based on previous WG discussion
Creation Date and Time	CreationDate	System date and time stamp of when the transaction is generated.	A	PIPEDocument	N/A	N/A	N/A	Date (yyyymmddhhmmssmsstz)	19	N/A	M		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.	E	MarketParticipantDirectory	Recipient, Sender	PIPEDocument	(see Market Participant Directory data structure)	N/A	N/A	N/A	M		
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.	E	PIPTransaction	Enrol Request	PIPEDocument	(see PIP Transaction data structure)	N/A	N/A	N/A	1 or more		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.		MarketParticipantDirectory	Recipient, Sender	PIPEDocument	N/A	N/A	N/A	N/A	1 Market Participant Directory per PIPE Document		
Sender	Sender	Used to identify the sender of the PIPE document.	E	Sender	MarketParticipant	MarketParticipantDirectory	(see Sender data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIP document.	E	Recipient	MarketParticipant	MarketParticipantDirectory	(see Recipient data structure)	N/A	N/A	N/A	M		
Sender	Sender	Used to identify the sender of the PIPE document.		Sender	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Sender per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Sender	(see Market Participant data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIP document.		Recipient	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Recipient per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient	(see Market Participant data structure)	N/A	N/A	N/A	M		
Market Participant	MarketParticipant	Identifies the Market Participants.		MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient, Sender	N/A	N/A	N/A	N/A	1 Market Participant per Sender and 1 per Recipient		
Company Name	CompanyName	Tag used to define the name of the company a Consumer already has service with or would like to establish service with.	E	CompanyName	N/A	MarketParticipant	N/A	String	300	N/A	M	Enbridge-In EnTRAC schema, the length is 300	Field Length incorrectly read String - revised consistent with Enbridge comment (previous may have been 60) - need WG discussion
Market Participant Identifier	MarketParticipantIdentifier	Tag used to uniquely identify a company or business.	E	MarketParticipantIdentifier	N/A	MarketParticipant	N/A	String	10	N/A	M	Enbridge-In EnTRAC schema, the length is 15	no change made - WG discussion
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.		PIPTransaction	EnrolRequest	PIPEDocument	N/A	N/A	N/A	N/A	1 or more PIP Transaction per PIPE Document		
Version	Version	Identifies the version of the PIP Document schema.	A	Version	N/A	N/A	N/A	String	5	N/A	M		
Transaction Reference Number	TransactionReferenceNumber	Uniquely identifies this PIP transaction.	A	TransactionReferenceNumber	N/A	N/A	N/A	String	30	N/A	M		
Enrol Request (purpose of transaction)	EnrolRequest	Tag used to nest all data relevant to a Consumer Enrol	E	EnrolRequest	PoolPriceInformation, AccountInformation	PIPTransaction	(see Enrol Request data structure)	N/A	N/A	N/A	M		
Enrol Request	EnrolRequest	Tag used to nest all data relevant to a Consumer enrol		EnrolRequest	PoolPriceInformation, AccountInformation	PIPTransaction	N/A	N/A	N/A	N/A	1 Enrol Request per PIP Transaction		
Pool Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information	E	PoolPriceInformation	DistributorNewPoolId, DistributorNewPricePointId, EffectiveDate	EnrolRequest	(see Pool/Price Information data structure)	N/A	N/A	N/A	M		
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.	E	AccountInformation	LanguageIndicator, BillingMethod, ValidationInformation, ConsumerInformation, ServiceAddress, VendorConsumerAccountNumber	EnrolRequest	(see Account Information data structure)	N/A	N/A	N/A	M	Kitchener-add Child Elements LanguageIndicator and BillingMethod	changed

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Pool/Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information		PoolPriceInformation	DistributorNewPoolId DistributorNewPricePointId, EffectiveDate	EnrolRequest	N/A	N/A	N/A	N/A	M		
DistributorNew Pool Identifier	DistributorNewPoolId	This contains the Distributor Pool name (Pool ID) to which the account is being enrolled.	E	DistributorNewPoolId	N/A	PoolPriceInformation	N/A	String	40	N/A	M		
DistributorNew Price Point Identifier	DistributorNewPricePointId	This contains the distributor PricePointID to which the account is being enrolled.	E	DistributorNewPricePointId	N/A	PoolPriceInformation	N/A	String	40	N/A	O		
Effective Date	EffectiveDate	This is the date on which the transaction is to be implemented (takes effect).	E	EffectiveDate	N/A	PoolPriceInformation	N/A	Date (YYYYMMDD)	8	N/A	M		
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.		AccountInformation	Language Indicator, Billing Method, ValidationInformation, ConsumerInformation, ServiceAddress, VendorConsumerAccountNumber	EnrolRequest	N/A	N/A	N/A	N/A	M	1 Account Information per Enrol Request	
Language Indicator	LanguageIndicator	Attribute which specifies the language preference for the Consumer account. This is provided as Information only.	A	AccountInformation	N/A	N/A	English, French	Enumerated (English | French)	N/A	N/A	M	Kitchener - missing tag	WG discussion
Billing Method	BillingMethod	Attribute which specifies the billing method for the account. Other billing methods will be added when required.	A	AccountInformation	N/A	N/A	DistributorRateReady, SplitNoConsumption	Enumerated (DistributorRateReady | SplitNoConsumption)	N/A	N/A	M	Kitchener - missing tag	WG discussion
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.	E	ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	(see Validation Information data structure)	N/A	N/A	N/A	M	Kitchener - Child Element - change to DistributorAccount Number (from AccountValidator)	changed
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.	E	ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener - Child Element ContactInformation does not exist	deleted
Service Address	ServiceAddress	Used to specify the service address.	E	ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener - Child Element - delete LastName	deleted
Vendor Consumer Account Number	VendorConsumerAccountNumber	This contains Vendor's identifier for the consumer. This value is not validated and is returned in the response document.	E	VendorConsumerAccountNumber	N/A	AccountInformation	N/A	String	100	N/A	O		
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.		ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	N/A	N/A	N/A	N/A	1 Validation Information per Account Information		
Distributor Account Number	DistributorAccountNumber	The distributor's Consumer account number as it appears on the bill except stripped of spaces and special characters (leading zeros must be included). Used when the account number is known. Note: if unknown, should be null i.e., empty eg: <transactionreferencenumber></transactionreferencenumber>	E	DistributorAccountNumber	N/A	ValidationInformation	Choice	String	30	N/A	M (If NULL then AccountLookUp follows the Service Address Field)	DE-NULL means empty eg <transactionreferencenumber></transactionreferencenumber> Kitchener-correct spelling of AccountLookUp in O/M/C column, and question meaning of bracketed note	DE-added to Definition K-corrected spelling - but need WG discussion re meaning of note
Name Validator	NameValidator	The Consumer's name as it appears on the bill, (first four alpha-numeric print characters, uppercase only, (A-Z and 0-9) left to right with special characters and blanks excluded). Refreshed only upon Successful lookup)	E	NameValidator	N/A	ValidationInformation	N/A	String	4	N/A	M		
Address Validator	AddressValidator	The Consumer's address defined as the postal code of the billing address.	E	AddressValidator	N/A	ValidationInformation	N/A	String	10	N/A	M		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.		ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	1 Service Consumer Information per Enrol Request	Kitchener - Child Element ContactInformation does not exist	deleted
Last Name	LastName	Identifies the last name of a person or Business (Not Null)	E	LastName	N/A	ConsumerInformation	N/A	String	100	N/A	M		
First Name	FirstName	Identifies the first name of a person.	E	FirstName	N/A	ConsumerInformation	N/A	String	100	N/A	O	WG - change field length to 100 (from 30) Enbridge-First name is mandatory in EnTRAC right now. Its maximum length is 100.	changed field length per WG discussion, but need further discussion re O/M/C
Middle Name	MiddleName	Identifies the middle name of a person.	E	MiddleName	N/A	ConsumerInformation	N/A	String	100	N/A	O	WG - change field length to 100 (from 30) Enbridge-In EnTRAC schema, the length is 100.	changed per WG discussion
Service Address	ServiceAddress	Used to specify the service address.		ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener - Child Element - delete LastName	deleted
Street Number	StreetNumber	Indicates the service street number	E	StreetNumber	N/A	ServiceAddress	N/A	String	10	N/A	O		
Street Number Suffix	StreetNumberSuffix	Indicates the street number suffix for the service address.	E	StreetNumberSuffix	N/A	ServiceAddress	N/A	String	10	N/A	O		
Street Name	StreetName	Street Name could be Lot and Concession	E	StreetName	N/A	ServiceAddress	N/A	String	55	N/A	M		
Street Type	StreetType	Ave, Street, Road	E	StreetType	N/A	ServiceAddress	N/A	String	10	N/A	O	ESG - enumerate	WG to discuss
Street Direction	StreetDirection	Lists the consumer's street direction of the service address.	E	StreetDirection	N/A	ServiceAddress	N, S, E, W, NW, NE, SW, or SE	Enumerated: N | S | E | W | NW | NE | SW | SE	N/A	N/A	O		
Unit Number	UnitNumber	Indicates the unit (apartment) number for the service address.	E	UnitNumber	N/A	ServiceAddress	N/A	String	10	N/A	O	Enbridge-In EnTRAC schema, the length is 40	WG to discuss
Unit Type	UnitType	Indicates the unit type (such as APT, Suite) of the service address. Can be Nullable	E	UnitType	N/A	ServiceAddress	N/A	String	10	N/A	O		
City	City	Indicates the city for the service address.	E	City	N/A	ServiceAddress	N/A	String	30	N/A	M		
Province	Province	Indicates the province for the service address.	E	Province	N/A	ServiceAddress	ON	Enumerated: ON	N/A	N/A	M	DE - remove QC	done (note - QC was not included in Accept or Reject)
Postal code	PostalCode	Indicates the postal code for the service address.	E	PostalCode	N/A	ServiceAddress	N/A	String	6	N/A	O		
= Illustrates the position of the decimal point in reference to the overall length of the field.													
N/A = Not applicable													
Enumerated= The only valid values are listed.													
Date= Date format used.													

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
PIPE Document	PIPEDocument	Document type name, stands for Participant Interface Process for Energy.		PIPEDocument	MarketParticipantDirectory, PIPTransaction	N/A	N/A	N/A	N/A	N/A	1 PIPE Document per PIPE Document		
XML Name Space	xmlns	Uniquely identifies the XML name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Name Space Schema Instance	xmlns:xsi	Defines the schema instance being used.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Schema Instance location	xsi:schemaLocation	Associates the actual schema instance being used to the name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
Version	Version	Identifies the version of the PIPEDocument schema.	A	PIPEDocument	N/A	N/A	1.1	Enumerated (1.1)	N/A	N/A	M	DE-enumerate Enbridge-In EnTRAC schema, length is 10	Revised per DE but suggest WG discussion
Document Reference Number	DocumentReferenceNumber	Uniquely identifies this PIPEDocument.	A	PIPEDocument	N/A	N/A	N/A	String	30	N/A	M	Enbridge-In EnTRAC schema, the length is 100	left at 30 based on previous WG discussion
Creation Date and Time	CreationDate	System date and time stamp of when the transaction is generated.	A	PIPEDocument	N/A	N/A	N/A	Date (yyyymmddhhmmssmsstz)	19	N/A	M		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.	E	MarketParticipantDirectory	Recipient, Sender	PIPEDocument	(see Market Participant Directory data structure)	N/A	N/A	N/A	M		
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.	E	PIPTransaction	Enrol Request	PIPEDocument	(see PIP Transaction data structure)	N/A	N/A	N/A	1 or more		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.		MarketParticipantDirectory	Recipient, Sender	PIPEDocument	N/A	N/A	N/A	N/A	1 Market Participant Directory per PIPE Document		
Sender	Sender	Used to identify the sender of the PIPE document.	E	Sender	MarketParticipant	MarketParticipantDirectory	(see Sender data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.	E	Recipient	MarketParticipant	MarketParticipantDirectory	(see Recipient data structure)	N/A	N/A	N/A	M		
Sender	Sender	Used to identify the sender of the PIPE document.		Sender	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Sender per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Sender	(see Market Participant data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.		Recipient	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Recipient per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient	(see Market Participant data structure)	N/A	N/A	N/A	M		
Market Participant	MarketParticipant	Identifies the Market Participants.		MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient, Sender	N/A	N/A	N/A	N/A	1 Market Participant per Sender and 1 per Recipient		
Company Name	CompanyName	Tag used to define the name of the company a Consumer already has service with or would like to establish service with.	E	CompanyName	N/A	MarketParticipant	N/A	String	300	N/A	M	Enbridge-In EnTRAC schema, the length is 300	Field Length incorrectly read String - revised consistent with Enbridge comment (previous may have been 60) - need WG discussion
Market Participant Identifier	MarketParticipantIdentifier	Tag used to uniquely identify a company or business.	E	MarketParticipantIdentifier	N/A	MarketParticipant	N/A	String	10	N/A	M	Enbridge-In EnTRAC schema, the length is 15	no change made - WG discussion
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.		PIPTransaction	EnrolRequest	PIPEDocument	N/A	N/A	N/A	N/A	1 or more PIP Transaction per PIPE Document		
Version	Version	Identifies the version of the PIP Document schema.	A	Version	N/A	N/A	N/A	String	5	N/A	M		
Transaction Reference Number	TransactionReferenceNumber	Uniquely identifies this PIP transaction.	A	TransactionReferenceNumber	N/A	N/A	N/A	String	30	N/A	M		
Enrol Accept (purpose of transaction)	EnrolAccept	Tag used to nest all data relevant to a Consumer enrol	E	EnrolAccept	OriginalTransactionReferenceNumber,PoolPriceInformation, AccountInformation, AdditionalInformation	PIPTransaction	(see Enrol Accept data structure)	N/A	N/A	N/A	M	Kitchener-add child element OriginalTransactionReferenceNumber	added
Enrol Accept	EnrolAccept	Tag used to nest all data relevant to a Consumer enrol		EnrolAccept	OriginalTransactionReferenceNumber, PoolPriceInformation, AccountInformation, Additional Information	PIPTransaction	N/A	N/A	N/A	N/A	1 Enrol Accept per PIP Transaction	Kitchener-add child element OriginalTransactionReferenceNumber	added
Original Transaction Reference Number	OriginalTransactionReferenceNumber	Attribute that references the original Enrol Request transaction.	A	EnrolAccept	N/A	N/A	N/A	String	30	E	M		
Pool Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information	E	PoolPriceInformation	DistributorNewPoolId, DistributorNewPricePointId, EffectiveDate	EnrolAccept	(see Pool/Price Information data structure)	N/A	N/A	N/A	M		
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.	E	AccountInformation	LanguageIndicator,BillingMethod,ServiceClass,RateClass,BillingCycle,ValidationInformation,ConsumerInformation,ServiceAddress,BillingAddressFormatted,Billing AddressUnFormatted,DistributorAccountNumber,OldDistributorAccountNumber,AccountNumberSwitchDate,VendorConsumerAccountNumber	EnrolAccept	(see Account Information data structure)	N/A	N/A	N/A	M	Kitchener-include as Child Elements LanguageIndicator and BillingMethod	included these, as well as DistributorAccountNumber, OldDistributorAccountNumber, and AccountNumberSwitchDate
Additional Information	AdditionalInformation	A tag that contains all information relevant to a set of parameters and values to support a response.	E	AdditionalInformation	ParameterName, ParameterValue	EnrolAccept	N/A	N/A	N/A	N/A	O		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Pool/Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information		PoolPriceInformation	DistributorNewPoolId, DistributorNewPricePointId, EffectiveDate	EnrolAccept	N/A	N/A	N/A	N/A	M		
DistributorNew Pool Identifier	DistributorNewPoolId	This contains the Distributor Pool name (Pool ID) to which the account is being enrolled.	E	DistributorNewPoolId	N/A	PoolPriceInformation	N/A	N/A	40	E	M		
DistributorNew Price Point Identifier	DistributorNewPricePointId	This contains the distributor PricePointID to which the account is being enrolled.	E	DistributorNewPricePointId	N/A	PoolPriceInformation	N/A	N/A	40	E	O		
Effective Date	EffectiveDate	This is the date on which the transaction is to be implemented (takes effect).	E	EffectiveDate	N/A	PoolPriceInformation	N/A	Date (YYYYMMDD)	8	E	M		
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.		AccountInformation	LanguageIndicator, BillingMethod, ServiceClass, RateClass, BillingCycle, ValidationInformation, ConsumerInformation, ServiceAddress, BillingAddressFormatted, BillingAddressUnFormatted, DistributorAccountNumber, OldDistributorAccountNumber, AccountNumberSwitchDate, VendorConsumerAccountNumber	EnrolAccept	N/A	N/A	N/A	N/A	M	1 Account Information per Enrol Accept	included all Child Elements
Language Indicator	LanguageIndicator	Attribute which specifies the language preference for the Consumer account. Provided as information Only.	A	LanguageIndicator	N/A	N/A	English, French	Enumerated (English | French)	N/A	R	M	Kitchener-cannot refresh, only able to echo	WG to discuss
Billing Method	BillingMethod	Attribute which specifies the billing method for the account. Other billing methods will be added when required.	A	BillingMethod	N/A	N/A	DistributorRateReady, SplitNoConsumption	Enumerated (DistributorRateReady | SplitNoConsumption)	N/A	E	M		
Service Class	ServiceClass	Indicates the service class for the specified account. R=Residential C= Commercial I= Industrial	E	ServiceClass	N/A	AccountInformation	R, C, I,	Enumerated (R | C | I)	N/A	N	M	DE - should be mandatory	changed
Rate Class	RateClass	Indicates the distribution service as defined in the Distributor's Rate Schedule.	E	RateClass	N/A	AccountInformation	N/A	String	5	N	M	DE - should be mandatory	changed
Billing Cycle	BillingCycle	Indicates the billing cycle for the specified account.	E	BillingCycle	N/A	AccountInformation	N/A	String	10	N	M	Kitchener-echo/refresh should be N(ew)	changed
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.	E	ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	(see Validation Information data structure)	N/A	N/A	N/A	M	Kitchener-Child Element should read DistributorAccountNumber (rather than AccountValidator)	changed
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.	E	ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener-Child Element ContactInformation tag does not exist	deleted ContactInformation from Child Element - WG to discuss
Service Address	ServiceAddress	Used to specify the service address.	E	ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener-Element Name should be ServiceAddress (instead of BillingMethod)	changed
Billing Address Formatted	BillingAddressFormatted	Identifies the billing address of the account	E	BillingAddressFormatted	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode, CountryCode	AccountInformation	N/A	N/A	N/A	N/A	O	Kitchener-add Child Element StreetName WG-revise format to match Service Address	changed
Billing Address Unformatted	BillingAddressUnformatted	Identifies the billing address of the account	E	BillingAddressUnformatted	BillingAddressLine1, BillingAddressLine2, BillingAddressLine3, BillingAddressLine4	AccountInformation	N/A	N/A	N/A	N/A	O		
Distributor Account Number	DistributorAccountNumber	The distributor's Consumer account number as it appears on the bill	E	DistributorAccountNumber	N/A	ValidationInformation	N/A	String	30	R	M		
Old Distributor Account Number	OldDistributorAccountNumber	Attribute defining previous account number for this Consumer.	E	OldDistributorAccountNumber	N/A	AccountInformation	N/A	String	30	R	O	Kitchener-description refers to Drop	deleted "On a Vendor originated drop this field will be optional if populated it will be ignored by Distributor.
Account Number Switch Date	AccountNumberSwitchDate	Date the account changed from the previous account number to the current account number.	E	AccountNumberSwitchDate	N/A	AccountInformation	N/A	Date (YYYYMMDD)	8	R	O		
Vendor Consumer Account Number	VendorConsumerAccountNumber	This contains Vendor's identifier for the consumer. This value is not validated and is returned in the response document.	E	VendorConsumerAccountNumber	N/A	AccountInformation	N/A	String	100	E	O		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.		ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	N/A	N/A	N/A	N/A	1 Validation Information per Account Information		
Distributor Account Number	DistributorAccountNumber	The distributor's Consumer account number as it appears on the bill	E	DistributorAccountNumber	N/A	ValidationInformation	N/A	String	30	R	M		
Name Validator	NameValidator	The Consumer's name as it appears on the bill, (first four alpha-numeric print characters, uppercase only, (A-Z and 0-9) left to right with special characters and blanks excluded).	E	NameValidator	N/A	ValidationInformation	N/A	String	4	R	M		
Address Validator	AddressValidator	The Consumer's address defined as the postal code of the billing address.	E	AddressValidator	N/A	ValidationInformation	N/A	String	10	R	M		
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.		ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	1 Service Consumer Information per Enrol Accept		
Last Name	LastName	Identifies the last name of a person or Business	E	LastName	N/A	ConsumerInformation	N/A	String	100	R	M		
First Name	FirstName	Identifies the first name of a person.	E	FirstName	N/A	ConsumerInformation	N/A	String	100	R	O	WG - change field length to 100 (from 30) Enbridge-First name is mandatory in EnTRAC right now. Its maximum length is 100.	changed field length per WG discussion, but need further discussion re O/M/C
Middle Name	MiddleName	Identifies the middle name of a person.	E	MiddleName	N/A	ConsumerInformation	N/A	String	100	R	O	WG - change field length to 100 (from 30) Enbridge-In EnTRAC schema, the length is 100.	changed per WG discussion
Service Address	ServiceAddress	This is the container element for the consumer's address of service (premises address).		ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M		
Street Number	StreetNumber	Indicates the service street number.	E	StreetNumber	N/A	ServiceAddress	N/A	String	10	R	O		
Street Number Suffix	StreetNumberSuffix	Indicates the street number for the service address.	E	StreetNumberSuffix	N/A	ServiceAddress	N/A	String	10	R	O		
Street Name	StreetName	Street Number could be Lot and Concession	E	StreetName	N/A	ServiceAddress	N/A	String	10	R	M		
Street Type	StreetType	Ave, Street, Road	E	StreetType	N/A	ServiceAddress	N/A	String	10	R	O	ESG - enumerate	WG to discuss
Street Direction	StreetDirection	Lists the consumer's street direction of the service address.	E	StreetDirection	N/A	ServiceAddress	N, S, E, W, NW, NE, SW, or SE	Enumerated: N | S | E | W | NW | NE | SW | SE	N/A	R	O		
Unit Number	UnitNumber	Indicates the unit (apartment) number for the service address.	E	UnitNumber	N/A	ServiceAddress	N/A	String	10	R	O	Enbridge-In EnTRAC schema, the length is 40	WG to discuss
Unit Type	UnitType	Indicates the unit type (such as APT, Suite) of the service address.	E	UnitType	N/A	ServiceAddress	N/A	String	10	R	O		
City	City	Indicates the city for the service address.	E	City	N/A	ServiceAddress	N/A	String	30	R	M		
Province	Province	Indicates the province for the service address.	E	Province	N/A	ServiceAddress	ON	Enumerated: ON	N/A	N/A	M		
Postal Code	PostalCode	Indicates the zip or postal code for the service address.	E	PostalCode	N/A	ServiceAddress	N/A	String	6	R	O		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Billing Address Formatted	BillingAddressFormatted	Identifies the billing address of the account		BillingAddressFormatted	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode, Country Code	AccountInformation	N/A	N/A	N/A	N/A	0 or 1 Billing Information per Enrol Accept	Kitchener-1) add Child Element Street Name 2) requires length of 150 WG-change to match Service Address format	changed Child Elements, but not sure what to do with field length (how does this apply to container?) -also changed to match Service Address Format
Street Number	StreetNumber	Indicates the billing address street number.	E	StreetNumber	N/A	BillingAddressFormatted	N/A	String	10	N	M		
Street Number Suffix	StreetNumberSuffix	Indicates the street number for the billing address.	E	StreetNumberSuffix	N/A	BillingAddressFormatted	N/A	String	10	N	O		
Street Name	StreetName	Street Number could be Lot and Concession	E	StreetName	N/A	BillingAddressFormatted	N/A	String	10	N	O	field length changed to 10 from 55	
Street Type	StreetType	Ave, Street, Road	E	StreetType	N/A	BillingAddressFormatted	N/A	String	10	N	O		
Street Direction	StreetDirection	Lists the consumer's street direction of the billing address.	E	StreetDirection	N/A	BillingAddressFormatted	N/A	String	10	N	O		
Unit Number	UnitNumber	Indicates the unit (apartment) number for the billing address.	E	UnitNumber	N/A	BillingAddressFormatted	N/A	String	10	N	O		
Unit Type	UnitType	Indicates the unit type (such as APT, Suite) of the billing address.	E	UnitType	N/A	BillingAddressFormatted	N/A	String	10	N	O		
City	City	Indicates the city for the billing address.	E	City	N/A	BillingAddressFormatted	N/A	String	30	N	O		
Province	Province	Indicates the state or province for the billing address.	E	Province	N/A	BillingAddressFormatted	N/A	String	N/A	N/A	M	Kitchener-change data type from enumerated value ON to string	changed
Postal Code	PostalCode	Indicates the zip or postal code for the billing address.	E	PostalCode	N/A	BillingAddressFormatted	N/A	String	10	N	O		
Country Code	CountryCode	Indicates the country code for the billing address. (Suggest using Canada Post standard for Country Code.)	E	CountryCode	N/A	BillingAddressFormatted	N/A	String	3	N	O		
Billing Address Unformatted	BillingAddressUnformatted	Identifies the billing address of the account		BillingAddressUnformatted	BillingAddressLine1, BillingAddressLine2, BillingAddressLine3, BillingAddressLine4	AccountInformation	N/A	N/A	N/A	N/A	0 or 1 Billing Information per Enrol Accept		
Billing Address Line 1	BillingAddressLine1	This contains the first line of the mailing address of the consumer.	E	BillingAddressLine1	N/A	BillingAddressUnformatted	N/A	String	100	N	O		
Billing Address Line 2	BillingAddressLine2	This contains the second line of the mailing address of the consumer.	E	BillingAddressLine2	N/A	BillingAddressUnformatted	N/A	String	100	N	O		
Billing Address Line 3	BillingAddressLine3	This contains the third line of the mailing address of the consumer.	E	BillingAddressLine3	N/A	BillingAddressUnformatted	N/A	String	100	N	O		
Billing Address Line 4	BillingAddressLine4	This contains the fourth line of the mailing address of the consumer.	E	BillingAddressLine4	N/A	BillingAddressUnformatted	N/A	String	100	N	O		
Additional Information	AdditionalInformation	A tag that contains all information relevant to a set of parameters and values to support a response.		AdditionalInformation	ParameterName, ParameterValue	EnrolAccept	N/A	N/A	N/A	N/A	O		
Parameter Name	ParameterName	This is stores the name identifier of the dynamic data being passed in addition to the current status of the STR.	E	ParameterName	N/A	AdditionalInformation	N/A	String	80	N	M		
Parameter Value	ParameterValue	This contains the actual value of the additional information accompanying the status and identified by the parameter name.	E	ParameterValue	N/A	AdditionalInformation	N/A	String	100	N	M		

Data Type Legend:

A/N = Alpha Numeric (Field allows for alphabetic values, numeric values, as well as any combination of alphabetic and numeric values)

N = Numeric (no decimals)

D = Decimal with total field length in parenthesis ( ) = Illustrates the position of the decimal point in reference to the overall length of the field.

N/A = Not applicable

Enumerated= The only valid values are listed.

Date= Date format used.

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
PIPE Document	PIPEDocument	Document type name, stands for Participant Interface Process for Energy		PIPEDocument	MarketParticipantDirectory, PIPTransaction		N/A	N/A	N/A	N/A	1 PIPE Document per PIPE Document		
XML Name Space	xmlns	Uniquely identifies the XML name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Name Space Schema Instance	xmlns:xsi	Defines the schema instance being used.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
XML Schema Instance location	xsi:schemaLocation	Associates the actual schema instance being used to the name space.	A	PIPEDocument	N/A	N/A	N/A	String	250	N/A	M		
Version	Version	Identifies the version of the PIPEDocument schema.	A	PIPEDocument	N/A	N/A	1.1	Enumerated (1.1)	N/A	N/A	M	DE-enumerate Enbridge-In EnTRAC schema, length is 10	Revised per DE but suggest WG discussion
Document Reference Number	DocumentReferenceNumber	Uniquely identifies this PIPEDocument.	A	PIPEDocument	N/A	N/A	N/A	String	30	N/A	M	Enbridge-In EnTRAC schema, the length is 100	left at 30 based on previous WG discussion
Creation Date and Time	CreationDate	System date and time stamp of when the transaction is generated.	A	PIPEDocument	N/A	N/A	N/A	Date (yyyymmddhhmmssmsstz)	19	N/A	M		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.	E	MarketParticipantDirectory	Recipient, Sender	PIPEDocument	(see Market Participant Directory data structure)	N/A	N/A	N/A	M		
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.	E	PIPTransaction	Enrol Request	PIPEDocument	(see PIP Transaction data structure)	N/A	N/A	N/A	1 or more		
Market Participant Directory	MarketParticipantDirectory	Contains tags that define all the Market Participants involved in the particular PIP transaction.		MarketParticipantDirectory	Recipient, Sender	PIPEDocument	N/A	N/A	N/A	N/A	1 Market Participant Directory per PIPE Document		
Sender	Sender	Used to identify the sender of the PIPE document.	E	Sender	MarketParticipant	MarketParticipantDirectory	(see Sender data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.	E	Recipient	MarketParticipant	MarketParticipantDirectory	(see Recipient data structure)	N/A	N/A	N/A	M		
Sender	Sender	Used to identify the sender of the PIPE document.		Sender	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Sender per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Sender	(see Market Participant data structure)	N/A	N/A	N/A	M		
Recipient	Recipient	Used to identify the recipient of the PIPE document.		Recipient	MarketParticipant	MarketParticipantDirectory	N/A	N/A	N/A	N/A	1 Recipient per Market Participant Directory		
Market Participant	MarketParticipant	Identifies the Market Participants.	E	MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient	(see Market Participant data structure)	N/A	N/A	N/A	M		
Market Participant	MarketParticipant	Identifies the Market Participants.		MarketParticipant	CompanyName, MarketParticipantIdentifier	Recipient, Sender	N/A	N/A	N/A	N/A	1 Market Participant per Sender and 1 per Recipient		
Company Name	CompanyName	Tag used to define the name of the company a Consumer already has service with or would like to establish service with.	E	CompanyName	N/A	MarketParticipant	N/A	String	300	N/A	M	Enbridge-In EnTRAC schema, the length is 300	Field Length incorrectly read String - revised consistent with Enbridge comment (previous may have been 60 - need WG discussion
Market Participant Identifier	MarketParticipantIdentifier	Tag used to uniquely identify a company or business.	E	MarketParticipantIdentifier	N/A	MarketParticipant	N/A	String	10	N/A	M	Enbridge-In EnTRAC schema, the length is 15	no change made - WG discussion
PIP Transaction	PIPTransaction	Indicates the beginning of a PIP transaction.		PIPTransaction	EnrolRequest	PIPEDocument	N/A	N/A	N/A	N/A	1 or more PIP Transaction per PIPE Document		
Version	Version	Identifies the version of the PIP Document schema.	A	Version	N/A	N/A	N/A	String	5	N/A	M		
Transaction Reference Number	TransactionReferenceNumber	Uniquely identifies this PIP transaction.	A	TransactionReferenceNumber	N/A	N/A	N/A	String	30	N/A	M		
Enrol Reject (purpose of transaction)	EnrolReject	Tag used to nest all data relevant to Consumer enrol	E	EnrolReject	OriginalTransactionReferenceNumber, PoolPriceInformation, RejectInformation, AccountInformation	PIPTransaction	(see Enrol Reject data structure)	N/A	N/A	N/A	M	Kitchener-Child Elements add OriginalTransactionReferenceNumber; delete ServiceAddress and BillingAddress	changed - also added RejectInformation and deleted ConsumerInformation
Enrol Reject	EnrolReject	Tag used to nest all data relevant to Consumer enrol		EnrolReject	OriginalTransactionReferenceNumber, PoolPriceInformation, RejectInformation, AccountInformation	PIPTransaction	N/A	N/A	N/A	N/A	1 Enrol Reject per PIP Transaction	Kitchener-Child Elements add OriginalTransactionReferenceNumber and PricePoolInformation	changed
Original Transaction Reference Number	OriginalTransactionReferenceNumber	Attribute that references the original Enrol Request transaction.	A	OriginalTransactionReferenceNumber	N/A	EnrolReject	N/A	String	30	E	M		
Pool Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information	E	PoolPriceInformation	DistributorNewPoolId, DistributorNewPricePointId, EffectiveDate	EnrolReject	N/A	N/A	N/A	N/A	M		
Reject Information	RejectInformation	Tag used to nest relevant reject information for the account.	E	RejectInformation	RejectReason, AdditionalInformation	EnrolReject	N/A	N/A	N/A	N/A	1 or more Reject Information per Enrol Reject	Kitchener-1) Child Elements add Reject to Reason; 2) add missing Child Elements LanguageIndicator and BillingMethod	changed 1) 2) do not think these are Child Elements
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.	E	AccountInformation	ValidationInformation, ConsumerInformation, ServiceAddress, BillingAddressFormatted, BillingAddressUnFormatted, VendorConsumerAccountNumber	EnrolReject	(see Account Information data structure)	N/A	N/A	N/A	M		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Reject Information	RejectInformation	Tag used to nest relevant reject information for the account.		RejectInformation	RejectReason, AdditionalInformation	EnrolReject	N/A	N/A	N/A	N/A	1 or more Reject Information per Enrol Reject		
Reject Reason	RejectReason	Indicates the reason for the Enrol Reject	E	RejectReason	N/A	RejectInformation	AccountDoesNotExist AccountFinal AccountNotEligible ContestAlreadyUnderway DuplicateRequest DuplicateTRN EffectiveDateBeyondMaxLeadTime EffectiveDateMustBeForNextPoolTerm EffectiveDateNotBeyondMinLeadTime EffectiveDateNotFirstofMonth EffectiveDateNotWithinPoolTerm FTTurnbackMismatchPoolAndAccount CannotMoveFromOntarioPoolWithFTTurnbackElectionToWesternPool CannotMoveFromWesternPoolWithNullFTTurnbackElectionToOntarioPool CannotMoveFromSystemGasAccountWithNullFTTurnbackElectionToOntarioPool InvalidBillingMethod InvalidPoolID LookupFailedLastNameStreetNumber LookupFailedManualReview LookupFailedStreetNamePostalCode LookupNotEligibleAccountNumberProvided PendingEnrol PendingMove PoolDeliveryAreaMismatch PoolPendingTermination PricePointIDDoesNotExist PricePointIDNotValid PricePointNotActive ValidationFailed	Enumerated (AccountDoesNotExist | AccountFinal | AccountNotEligible| ContestAlreadyUnderway | DuplicateRequest | DuplicateTRN | EffectiveDateBeyondMaxLeadTime | EffectiveDateMustBeForNextPoolTerm | EffectiveDateNotBeyondMinLeadTime | EffectiveDateNotFirstofMonth | EffectiveDateNotWithinPoolTerm | FTTurnbackMismatchPoolAndAccount | CannotMoveFromOntarioPoolWithFTTurnbackElectionToWesternPool | CannotMoveFromWesternPoolWithNullFTTurnbackElectionToOntarioPool | CannotMoveFromSystemGasAccountWithNullFTTurnbackElectionToOntarioPool | InvalidBillingMethod | InvalidPoolID | LookupFailedLastNameStreetNumber | LookupFailedManualReview | LookupFailedStreetNamePostalCode | LookupNotEligibleAccountNumb	N/A	N	M	DE-need to be reviewed (need turn back rules) Kitchener-require new reject reasons: InsufficientVendorCredit InvalidAccountNumber (if Acct Number is for a water account) IncompleteDocumentation Enbridge Turnback Reject Reasons - FTTurnbackMismatchPoolAndAccount, CannotMoveFromOntarioPoolWithFTTurnbackElectionToWesternPool, CannotMoveFromWesternPoolWithNullFTTurnbackElectionToOntarioPool, CannotMoveFromSystemGasAccountWithNullFTTurnbackElectionToOntarioPool	WG discussion WG discussion added to Reject Reasons (valid info and data type)
Additional Information	AdditionalInformation	A tag that contains all information relevant to a set of parameters and values to support a response.	E	AdditionalInformation	ParameterName, ParameterValue	RejectInformation	N/A	N/A	N/A	N/A	O		
Pool/Price Information	PoolPriceInformation	Tag used to nest all relevant Distributor Pool and Price Information		PoolPriceInformation	DistributorNewPoolId DistributorNewPricePointId, EffectiveDate	EnrolReject	N/A	N/A	N/A	N/A	M		
DistributorNew Pool Identifier	DistributorNewPoolId	This contains the Distributor Pool name (Pool ID) to which the account is being enrolled.	E	DistributorNewPoolId	N/A	PoolPriceInformation	N/A	N/A	40	E	M		
DistributorNew Price Point Identifier	DistributorNewPricePointId	This contains the distributor PricePointID to which the account is being enrolled.	E	DistributorNewPricePointId	N/A	PoolPriceInformation	N/A	N/A	40	E	O		
Effective Date	EffectiveDate	This is the date on which the transaction is to be implemented (takes effect). Echoed from request.	E	EffectiveDate	N/A	PoolPriceInformation	N/A	Date (YYYYMMDD)	8	E	M		
Account Information	AccountInformation	Tag used to hold all the information relevant to an account.		AccountInformation	LanguageIndicator, BillingMethod, ValidationInformation, ConsumerInformation, ServiceAddress, BillingAddressFormatted, BillingAddressUnFormatted, VendorConsumerAccountNumber	EnrolReject	N/A	N/A	N/A	N/A	1 Account Information per Enrol Reject	Kitchener-add Child Elements LanguageIndicator and BillingMethod	changed
Language Indicator	LanguageIndicator	Attribute which specifies the language preference for the Consumer account. Provided as Information only.	A	LanguageIndicator	N/A	N/A	English or French	Enumerated (English | French)	N/A	E	M		
Billing Method	BillingMethod	Attribute which specifies the billing method for the account. Other Billing methods will be added as needed.	A	BillingMethod	N/A	N/A	DistributorRateReady, SplitNoConsumption	Enumerated (DistributorRateReady | SplitNoConsumption)	N/A	E	M		
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.	E	ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	(see Validation Information data structure)	N/A	N/A	N/A	M	Kitchener-Child Element AccountValidator should read DistributorAccountNumber	changed
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.	E	ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener-delete Child Element ContactInformation	changed
Service Address	ServiceAddress	Used to specify the service address.	E	ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M	Kitchener-revise Child Elements	changed
Billing Address Formatted	BillingAddressFormatted	Used to specify the Billing address.	E	BillingAddressFormatted	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode, Country Code	AccountInformation	N/A	N/A	N/A	N/A	O		
Billing Address Unformatted	BillingAddressUnformatted	Used to specify the Billing address.	E	BillingAddressUnformatted	BillingAddressLine1, BillingAddressLine2, BillingAddressLine3, BillingAddressLine4	AccountInformation	N/A	N/A	N/A	N/A	O		
Vendor Consumer Account Number	VendorConsumerAccountNumber	This contains Vendor's identifier for the consumer. This value is not validated and is returned in the response document.	E	VendorConsumerAccountNumber	N/A	AccountInformation	N/A	String	100	E	O		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Validation Information	ValidationInformation	A tag that contains all information relevant to the validation of a particular account.		ValidationInformation	DistributorAccountNumber, NameValidator, AddressValidator	AccountInformation	N/A	N/A	N/A	N/A	1 Validation Information per Account Information	Kitchener-Child Element AccountValidator should read DistributorAccountNumber	changed
Distributor Account Number	DistributorAccountNumber	The distributor's Consumer account number as it appears on the bill (Refreshed only upon successful Lookup.)	E	DistributorAccountNumber	N/A	ValidationInformation	N/A	String	30	E/R	M		
Name Validator	NameValidator	The Consumer's name as it appears on the bill, (first four alpha-numeric print characters, uppercase only, (A-Z and 0-9) left to right with special characters and blanks excluded). Refreshed only upon successful Lookup.)	E	NameValidator	N/A	ValidationInformation	N/A	String	4	E/R	M		
Address Validator	AddressValidator	The Consumer's address defined as the postal code of the billing address. Refreshed only upon successful Lookup.)	E	AddressValidator	N/A	ValidationInformation	N/A	String	10	E/R	M		
Consumer Information	ConsumerInformation	Tag used to nest all relevant Consumer information.		ConsumerInformation	LastName, FirstName, MiddleName	AccountInformation	N/A	N/A	N/A	N/A	0 or 1 Service Consumer Information per Enrol Reject	Kitchener-remove Child Element ContactInformation	changed
Last Name	LastName	Identifies the last name of a person or business.	E	LastName	N/A	ConsumerInformation	N/A	String	100	E	M	Kitchener-revise field length to 100 (from 30)	changed
First Name	FirstName	Identifies the first name of a person.	E	FirstName	N/A	ConsumerInformation	N/A	String	100	E	O	WG - change field length to 100 (from 30) Enbridge-First name is mandatory in EnTRAC right now. Its maximum length is 100.	changed field length per WG discussion, but need further discussion re O/M/C
Middle Name	MiddleName	Identifies the middle name of a person.	E	MiddleName	N/A	ConsumerInformation	N/A	String	100	E	O	WG - change field length to 100 (from 30) Enbridge-In EnTRAC schema, the length is 100.	changed per WG discussion
Service Address	ServiceAddress	Used to specify the service address.		ServiceAddress	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode	AccountInformation	N/A	N/A	N/A	N/A	M		
Street Number	StreetNumber	Indicates the service street number.	E	StreetNumber	N/A	ServiceAddress	N/A	String	10	E	O		
Street Number Suffix	StreetNumberSuffix	Indicates the street number suffix for the service address.	E	StreetNumberSuffix	N/A	ServiceAddress	N/A	String	10	E	O		
Street Name	StreetName	Street name and could be represent as Lot and Concession	E	StreetName	N/A	ServiceAddress	N/A	String	55	E	M		
Street Type	StreetType	Ave, Street, Road	E	StreetType	N/A	ServiceAddress	N/A	String	10	E	O	ESG - enumerate	WG to discuss
Street Direction	StreetDirection	Lists the consumer's street direction of the service address.	E	StreetDirection	N/A	ServiceAddress	N, S, E, W, NW, NE, SW, or SE	Enumerated: N	S	E	W	NW	NE	SW	SE	N/A	E	O		
Unit Number	UnitNumber	Indicates the unit (apartment) number for the service address.	E	UnitNumber	N/A	ServiceAddress	N/A	String	10	E	O	Enbridge-In EnTRAC schema, the length is 40	WG to discuss
Unit Type	UnitType	Indicates the unit type (such as APT, Suite) of the service address.	E	UnitType	N/A	ServiceAddress	N/A	String	10	E	O		
City	City	Indicates the city for the service address.	E	City	N/A	ServiceAddress	N/A	String	30	E	M		
Province	Province	Indicates the state or the province for the service address.	E	Province	N/A	ServiceAddress	ON	Enumerated: ON	N/A	N/A	M		
Postal code	PostalCode	Indicates the zip or postal code for the service address. (Nullable)	E	PostalCode	N/A	ServiceAddress	N/A	String	6	E	M		

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Field Display Names	XML names	Definition	Attribute/ Element	Element Name	Child Elements	Parent Elements	Valid Information in Field (enumeration)	Data Type	Field Length	Echo / Refresh	Optional/Mandatory/ Conditional	Comments	Proposed
Billing Address Formatted	BillingAddressFormatted	Identifies the billing address of the account		BillingAddressFormatted	StreetNumber, StreetNumberSuffix, StreetName, StreetType, StreetDirection, UnitNumber, UnitType, City, Province, PostalCode, Country Code	AccountInformation	N/A	N/A			0 or 1 Service Information per Enrol Reject	Kitchener-why not remove container because Echo/Refresh/New indicates N/A WG-revise format to that of Service Address format	WG to discuss
Street Number	StreetNumber	Indicates the billing address street number.	E	StreetNumber	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Street Number Suffix	StreetNumberSuffix	Indicates the street number for the billing address.	E	StreetNumberSuffix	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Street Name	StreetName	Street Number could be Lot and Concession	E	StreetName	N/A	BillingAddressFormatted	N/A	String	10	N/A	O	DE - change field length to 10 (from 55)	done
Street Type	StreetType	Ave, Street, Road	E	StreetType	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Street Direction	StreetDirection	Lists the consumer's street direction of the billing address.	E	StreetDirection	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Unit Number	UnitNumber	Indicates the unit (apartment) number for the billing address.	E	UnitNumber	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Unit Type	UnitType	Indicates the unit type (such as APT, Suite) of the billing address.	E	UnitType	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
City	City	Indicates the city for the billing address.	E	City	N/A	BillingAddressFormatted	N/A	String	30	N/A	O		
Province	Province	Indicates the state or province for the billing address.	E	Province	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Postal Code	PostalCode	Indicates the zip or postal code for the billing address.	E	PostalCode	N/A	BillingAddressFormatted	N/A	String	10	N/A	O		
Country Code	CountryCode	Indicates the country code for the billing address. (Suggest using Canada Post standard for Country Code.)	E	CountryCode	N/A	BillingAddressFormatted	N/A	String	3	N/A	O		
Billing Address Unformatted	BillingAddressUnformatted	Identifies the billing address of the account		BillingAddressUnformatted	BillingAddressLine1, BillingAddressLine2, BillingAddressLine3, BillingAddressLine4	AccountInformation	N/A	N/A			0 or 1 Billing Information per Enrol Reject	Kitchener-why not remove container because Echo/Refresh/New indicates N/A	WG to discuss
Billing Address Line 1	BillingAddressLine1	This contains the first line of the mailing address of the consumer.	E	BillingAddressLine1	N/A	BillingAddressUnformatted	N/A	String	100	N/A	O		
Billing Address Line 2	BillingAddressLine2	This contains the second line of the mailing address of the consumer.	E	BillingAddressLine2	N/A	BillingAddressUnformatted	N/A	String	100	N/A	O		
Billing Address Line 3	BillingAddressLine3	This contains the third line of the mailing address of the consumer.	E	BillingAddressLine3	N/A	BillingAddressUnformatted	N/A	String	100	N/A	O		
Billing Address Line 4	BillingAddressLine4	This contains the fourth line of the mailing address of the consumer.	E	BillingAddressLine4	N/A	BillingAddressUnformatted	N/A	String	100	N/A	O		
Additional Information	AdditionalInformation	A tag that contains all information relevant to a set of parameters and values to support a response.		AdditionalInformation	ParameterName, ParameterValue	RejectInformation	N/A	N/A	N/A	N/A	O	DE - correct typo in Name (remove space)	done
Parameter Name	ParameterName	This is stores the name identifier of the dynamic data being passed in addition to the current status of the STR.	E	ParameterName	N/A	AdditionalInformation	N/A	String	80	N	M	DE - need more info e.g. what values will we see Enbridge-Account's FT Turnback Election (%)	discuss with WG
Parameter Value	ParameterValue	This contains the actual value of the additional information accompanying the status and identified by the parameter name.	E	ParameterValue	N/A	AdditionalInformation	N/A	String	100	N	M	Enbridge-Will be a value from 0 - 100	discuss with WG
Data Type Legend:													
A/N = Alpha Numeric (Field allows for alphabetic values, numeric values, as well as any combination of alphabetic and numeric values)													
N = Numeric (no decimals)													
D = Decimal with total field length in parenthesis ( ) = Illustrates the position of the decimal point in reference to the overall length of the field.													
N/A = Not applicable													
Enumerated= The only valid values are listed.													
Date= Date format used.													