

Customer-Service Web Services User Guide  
Oracle Financial Services Lending and Leasing  
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# 1. List of Customer-Service Web Services

S.No	Service Name	Service Desc	Service URL
1	CSSAccountDetailsRequestService	Service to fetch Account Details by account number	https://<Host>:<Port>/<Deployment Context>/CSSAccountDetailsRequestService
2	CSSAccountSearchRequestService	Service to fetch Account Details by attributes such as AccountNumber, CustomerFirst Name, CustomerLastName, SSN	https://<Host>:<Port>/<Deployment Context>/CSSAccountSearchRequestService
3	CSSPostTransactionsRequestService	To post different transactions such as update address, update phone number, update ACH details, etc	https://<Host>:<Port>/<Deployment Context>/CSSPostTransactionsRequestService
4	CSSAccountPayOffQuoteRequestService	To get the account payoff quote	https://<Host>:<Port>/<Deployment Context>/CSSAccountPayOffQuoteRequestService
5	LOSAccountWebService	Service to create Account number in OFSLL	https://<Host>:<Port>/<Deployment Context>/LOSAccountWebService

## 1.1 CSSAccountDetailsRequestService

<b>Purpose of service</b>	To search account details by String account number
<b>Service WSDL</b>	CSSAccountDetailsRequestService.wsdl
<b>Input Schema</b>	Not Applicable
<b>Input Type</b>	java.lang.String
<b>Return Type</b>	java.lang.String
<b>Exception</b>	java.lang.Exception( <b><i>Refer Errors/Exceptions section for more details</i></b> )
<b>Service Function</b>	getAccountDetails(String accountNumber)
<b>Sample Input</b>	Account Number(such as <b><i>20130200011098</i></b> )
<b>Sample Output</b>	Refer Sample Output d

## 1.2 CSSAccountSearchRequestService

<b>Purpose of service</b>	To search account details by various customer attributes such as Account Number, Customer First Name, Customer Last Name, SSN, Phone Number, Birth Date or Vehicle Identification Number
<b>Service WSDL</b>	CSSAccountSearchRequestService.wsdl
<b>Input Schema</b>	dbkws_xcs.xsd

<b>Input Type</b>	java.lang.String( An XML String)
<b>Return Type</b>	java.lang.String( An XML String)
<b>Exception</b>	java.lang.Exception( <b><i>Refer Errors/Exceptions section for more details</i></b> )
<b>Service Function</b>	doAccountSearch(String requestStr)

**Search by Account Number:** The service return results for the primary customer mapped to the account input.

<b>Sample Input</b>	Refer Sample Input a.i
<b>Sample Output</b>	Refer Sample Output a.i

**Search by Customer First Name:** This service will search by the first name of the primary customer. The service return results for the primary customer mapped to the first name input.

<b>Sample Input</b>	Refer Sample Input a.ii
<b>Sample Output</b>	Refer Sample Output a.ii

**Search by Customer Last Name:** This service will search by the last name of the primary customer. The service return results for the primary customer mapped to the last name input.

<b>Sample Input</b>	Refer Sample Input a.iii
<b>Sample Output</b>	Refer Sample Output a.iii

**Search by SSN:** This service will search by the SSN of the primary customer. The service return results for the primary customer mapped to the SSN input.

<b>Sample Input</b>	Refer Sample Input a.iv
<b>Sample Output</b>	Refer Sample Output a.iv

**Search by Phone Number:** This service will search by the phone number of the primary customer. The service return results for the primary customer mapped to the phone number input.

<b>Sample Input</b>	Refer Sample Input a.v
<b>Sample Output</b>	Refer Sample Output a.v

**Search by Birth Date:** This service will search by the birth date of the primary customer. The service return results for the primary customer mapped to the birth date input.

<b>Sample Input</b>	Refer Sample Input a.vi
<b>Sample Output</b>	Refer Sample Output a.vi

**Search by Vehicle Identification Number:** The service return results for the primary customer mapped to the VIN input.

<b>Sample Input</b>	Refer Sample Input a.vii
<b>Sample Output</b>	Refer Sample Output a.vii

### 1.3 CSSPostTransactionsRequestService

<b>Purpose of service</b>	To post different transactions such as update address, update phone number, update email address or ACH Maintenance
<b>Service WSDL</b>	CSSPostTransactionsRequestService.wsdl
<b>Input Schema</b>	dbkws_xcs_upd.xsd
<b>Input Type</b>	java.lang.String( An XML String)
<b>Return Type</b>	java.lang.String( An XML String)
<b>Exception</b>	java.lang.Exception( <b><i>Refer Errors/Exceptions section for more details</i></b> )
<b>Service Function</b>	postTransactions(String requestStr)

**Customer Email Update:** This transaction is used to update the customer email address in customer set-up.

<b>Sample Input</b>	Refer Sample Input b.i
<b>Sample Output</b>	Refer Sample Output b.i

**Address Details Update:** This transaction is used to update the customer address in the Address set-up

<b>Sample Input</b>	Refer Sample Input b.ii
<b>Sample Output</b>	Refer Sample Output b.ii

**Address Phone Number Update:** This transaction is used to update the customer phone number in the Address Set-up

<b>Sample Input</b>	Refer Sample Input b.iii
<b>Sample Output</b>	Refer Sample Output b.iii

**ACH Maintenance:** This transaction is used to maintain the ACH transactions set-up in Account ACH details Set-up

<b>Sample Input</b>	Refer Sample Input b.iv
<b>Sample Output</b>	Refer Sample Output b.iv

**New ACH:** This transaction is used to create New ACH transactions in Account ACH details Set-up

<b>Sample Input</b>	Refer Sample Input b.v
<b>Sample Output</b>	Refer Sample Output b.v

**One Time ACH:** This transaction is used to add onetime ACH transactions in Account ACH details Set-up

<b>Sample Input</b>	Refer Sample Input b.vi
<b>Sample Output</b>	Refer Sample Output b.vi

**Stop All ACH:** This transaction is used to stop (*deactivate*) all ACH transactions for an account in the Account ACH details Set-up

<b>Sample Input</b>	Refer Sample Input b.vii
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<b>Sample Output</b>	Refer Sample Output b.vii
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**Stop ACH:** This transaction is used to stop (*deactivate*) a single ACH transaction for an account in the Account ACH details Set-up. **Note that the Default ACH transaction should be the last transaction to be Stopped using STOP ACH.**

<b>Sample Input</b>	Refer Sample Input b.viii
<b>Sample Output</b>	Refer Sample Output b.viii

**Add Telecom Details:** This transaction is used to add a new telecom record for an account in the telecoms set-up.

<b>Sample Input</b>	Refer Sample Input b.ix
<b>Sample Output</b>	Refer Sample Output b.ix

**Maintain Telecom Details:** This transaction is used to maintain an existing telecom record for an account in the telecoms set-up. If the search results multiple rows, the first row of result fetch will be updated.

<b>Sample Input</b>	Refer Sample Input b.x
<b>Sample Output</b>	Refer Sample Output b.x

**Maintain Employment Details:** This transaction is used to maintain an existing employment record for an account in the employments set-up. If the search results multiple rows, the first row of result fetch will be updated.

<b>Sample Input</b>	Refer Sample Input b.xi
<b>Sample Output</b>	Refer Sample Output b.xi

## 1.4 CSSAccountPayOffQuoteRequestService

<b>Purpose of service</b>	To get the account payoff quote
<b>Service WSDL</b>	CSSAccountPayOffQuoteRequestService.wsdl
<b>Input Schema</b>	dbkws_xcs.xsd, <a href="#">dbkws_xcs_upd.xsd</a> * (* <b><i>dbkws_xcs_upd.xsd also performs validation on the input</i></b> )
<b>Input Type</b>	java.lang.String( An XML String)
<b>Return Type</b>	java.lang.String( An XML String)
<b>Exception</b>	java.lang.Exception( <b><i>Refer Errors/Exceptions section for more details</i></b> )
<b>Service Function</b>	getPayOffQuote(String requestStr)
<b>Sample Input</b>	Refer Sample Input c
<b>Sample Output</b>	Refer Sample Output c

## 1.5 LOSApplicationAccountWebService

<b>Purpose of service</b>	Create a account in OFSLL system
<b>Service WSDL</b>	LOSApplicationAccountWebService.wsdl
<b>Input Schema</b>	dbkws_AccountBoarding.xsd
<b>Input Type</b>	java.lang.String
<b>Return Type</b>	java.lang.String
<b>Exception</b>	Not Throwing any Exception type , all type of exception will be handled and error message

	will be responded back
<b>Service Function</b>	createAccount (String inputRequest)
<b>Sample Input</b>	Refer sample input d) i, ii, iii for LOAN/LEASE/LINE product.
<b>Sample Output</b>	Refer sample output e) i,ii,iii for LOAN/LEASE/LINE product respectively.

## 2. Sample Inputs

### Imp Note:

1. Optional attribute with a null value (where we don't have a value) are not allowed in the input payload.
2. ***\_UserCode*** (***TESTUSER*** in the sample input) in the input XML should have responsibility assigned to post the transaction otherwise "***Transaction <Transaction Type> not allowed for responsibility***" error will be thrown.
3. ***\_Version*** in the XML input should be "***10.0***" as the current version of the services is 10.

### 2.1 CSSAccountSearchRequestService

#### Input attribute list:

Attribute	Use	Data Type	Comments
_AccountNumber	Optional	String	
_CustomerFirstName	Optional	String	
_CustomerLastName	Optional	String	
_SSN	Optional	PositiveInteger	
_VIN_LastFourDigit	Optional	String	
_CustomerPhoneNumber	Optional	Long	
_CustomerBirthDate	Optional	Date Time	

- i. AccountNumber

```
<?xml version='1.0' ?>
```

```
<CUSTOMER_SERVICE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="">
```

```
<CUSTOMER_SEARCH _AccountNumber="20130200011098"></CUSTOMER_SEARCH>
</CUSTOMER_SERVICE>
```

ii. CustomerFirstName

```
<?xml version='1.0' ?>
<CUSTOMER_SERVICE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="">
  <CUSTOMER_SEARCH _CustomerFirstName="JOHN"></CUSTOMER_SEARCH>
</CUSTOMER_SERVICE>
```

iii. CustomerLastName

```
<?xml version='1.0' ?>
<CUSTOMER_SERVICE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="">
  <CUSTOMER_SEARCH _CustomerLastName="DOE"></CUSTOMER_SEARCH>
</CUSTOMER_SERVICE>
```

iv. SSN

```
<?xml version='1.0' ?>
<CUSTOMER_SERVICE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="">
  <CUSTOMER_SEARCH _SSN="999999999"></CUSTOMER_SEARCH>
</CUSTOMER_SERVICE>
```

v. Phone Number

```
<?xml version='1.0' ?>
<CUSTOMER_SERVICE xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="">
  <CUSTOMER_SEARCH _CustomerPhoneNumber='2123456544'></CUSTOMER_SEARCH>
</CUSTOMER_SERVICE>
```

vi. BirthDate

```
<?xml version='1.0' ?>

<CUSTOMER_SERVICE xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xsi:noNamespaceSchemaLocation=''>

<CUSTOMER_SEARCH _CustomerBirthDate='1983-02-10T00:00:00'></CUSTOMER_SEARCH>

</CUSTOMER_SERVICE>
```

vii. Vehicle Identification Number

```
<?xml version='1.0' ?>

<CUSTOMER_SERVICE xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xsi:noNamespaceSchemaLocation=''>

<CUSTOMER_SEARCH _VIN_LastFourDigit='8252'></CUSTOMER_SEARCH>

</CUSTOMER_SERVICE>
```

## 2.2 CSSPostTransactionsRequestService

viii. Customer Email Address Update Transaction

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String	
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_Email_Address	Optional	String	
_BirthDate	Optional		
_Relation_Type	Mandatory	Refers RELATION_TYPE _CD (RELATION TYPE CODES)	

_SSN	Optional	Positive Integer	
_Marital_Status	Optional	Refers lookup - MARITAL_STATU S_CD (MARITAL STATUS CODES)	
_Disability_Indicator	Optional	Enumeration: Y, N	
_Driving_License_Number	Optional	String	
_Number_Of_Dependents	Optional	Int	
_DrivingLicenseState	Optional	String	

Sample Input:

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<CUSTOMER_DETAILS_CHANGES _AccountNumber="20111200012575" _BirthDate="1983-02-10"
_Disability_Indicator="N"
_Driving_License_Number="436164136547457" _EffectiveDate="2014-02-27"
_Email_Address="a.a007@gmail.com" _Marital_Status="SINGLE" _Number_Of_Dependents="2"
_Relation_Type="PRIM" _SSN="999999999"/>
</CUSTOMER_SERVICE_UPDATE>
```

ix. Address Details Update

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String	
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date

Attribute	Use	Data Type	Comments
_Relation_Type	Mandatory	Refers RELATION_TYPE_CD (RELATION TYPE CODES)	
_Postal_Type	Mandatory	Refers POSTAL_ADDRESS_TYP E_CD (POSTAL ADDRESS TYPE CODES)	
_Mailing_Indicator	Mandatory	Enumeration: Y,N	
_Type	Mandatory	Refers ADDRESS_TYPE_CD (ADDRESS TYPE CODE)	
_Number	Optional	String	
_Street_Pre_Type	Optional	STREET_PRE_TYPE_CD (STREET PRE TYPE CODES)	
_Street_Name	Optional	Refers STREET_NAME(STREE T NAME)	
_Street_Type	Optional	Refers STREET_TYPE_CD (Street Type codes) lookup	
_Street_Post_Type	Optional	STREET_POST_TYPE_C D (STREET POST TYPE CODES)	
_Suite_Number	Optional	String	
_Address2	Optional	String	
_Zip	Mandatory	String	
_City	Mandatory	String	
_State	Mandatory	String	
_Phone	Mandatory	PositiveInteger	



Attribute	Use	Data Type	Comments
_Zip_Extension	Optional	String	
_Country	Mandatory	String	
_Comment	Optional	String	
_Block	Optional	String	
_Location	Optional	String	
_Permission_To_Call_I ND	Mandatory	Enumeration: Y,N	

Sample Input:

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<CUSTOMER_ADDRESS_CHANGES _AccountNumber="20111200012575" _City="Plainsboro"
_Comment="Test update of the address"
    _Country="US" _EffectiveDate="2014-02-27" _Mailing_Indicator="Y" _Number="1"
    _Phone="2123456544" _Postal_Type="NM" _Relation_Type="PRIM" _State="NJ"
    _Street_Name="Washington St" _Street_Type="ST" _Suite_Number="123" _Type="H"
    _Zip="08536" _Permission_To_Call_IND="Y"/>
</CUSTOMER_SERVICE_UPDATE>
```

- x. Address Phone Number Update

***Input attribute list:***

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String	
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date

Attribute	Use	Data Type	Comments
_Relation_Type	Mandatory	Refers RELATION_TYPE_C D (RELATION TYPE CODES)	
_Address_Type	Optional	Refers ADDRESS_TYPE_C D (ADDRESS TYPE CODES)	
_Phone	Mandatory	Positive Integer	
_Permission_To_Call_I ND	Mandatory	Enumeration: Y,N	

Sample Input:

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<CUSTOMER_PHONE_NUMBER_CHANGES _AccountNumber="20111200012575" _Address_Type="H"
_EffectiveDate="2014-02-27" _Phone="2123456544" _Relation_Type="PRIM" _Permission_To_Call_IND="Y"/>
</CUSTOMER_SERVICE_UPDATE>
```

xi. ACH Maintenance

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y,N	
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_AccountNumber	Mandatory	String	
_PaymentAmount	Optional	Double	
_PaymentDay	Optional	PositiveInteger	

_FrequencyCode	Optional	Refers ACH_PMT_FREQ_CD_CUR(A CH PAYMENT FREQUENCY CURRENT CODE )	
_PaymentAmountExces s	Optional	Double	
_EndDate	Optional	Date	
_DefaultIndicator	Optional	Enumeration: Y, N	
_ReferenceNumber	Mandatory	String	
_ACHFee	Optional	Double	
_ACHFee_Indicator	Optional	Enumeration: Y, N	

Sample Input: Following is a sample input to update **PaymentAmount** and **PaymentDay** for an ACH transaction.

```
<?xml version="1.0" encoding="UTF-8"?>
    <CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
    <ACCOUNT_ACH_MAINTENANCE _AccountNumber="20131200050052"
    _EffectiveDate="2014-04-11" _PaymentAmount="7587.76" _PaymentDay="24"
    _ReferenceNumber="20140618009139" />
    </CUSTOMER_SERVICE_UPDATE>
```

xii. New ACH

**Input attribute list:**

Attribute	Use	Data Type	Comments
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_BankName	Mandatory	String(Max:80)	
_BankRoutingNumber	Mandatory	String(Max:30)	

Attribute	Use	Data Type	Comments
_BankAccountType	Mandatory	Enumeration: C, S	
_BankAccountNumber	Mandatory	String(Max:30)	
_PaymentDay	Mandatory	PositiveInteger	
_PaymentAmount	Mandatory	Double	
_PaymentAmountExcess	Mandatory	Double	
_ACHFee	Optional	Double	
_ACHFee_Indicator	Mandatory	Enumeration: Y, N	When set to Y, the _ACHFee value should be greater than or equal to the value defined as per minimum fee rules
_FrequencyCode	Mandatory	Refers ACH_PMT_FREQ_CODE_CUR(ACH PAYMENT FREQUENCY CURRENT CODE )	
_StartDate	Mandatory	Date	
_EndDate	Optional	Date	
_DefaultIndicator	Mandatory	Enumeration: Y, N	
_StatusCode	Mandatory	String(Max:30)	
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String(Max:30)	

Sample Input: Following is a sample input to create a New default ACH

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <ACCOUNT_ACH_NEW _EffectiveDate="2014-04-22" _AccountNumber="20120200010421"
    _BankAccountNumber="4445544449" _BankAccountType="C"
    _BankName="ABC" _BankRoutingNumber="333331233"
    _FrequencyCode="M" _PaymentDay="25" _PaymentAmount="332.33"
    _PaymentAmountExcess="19.97" _EndDate="2015-04-16"
    _StartDate="2014-04-22" _StatusCode="ACTIVE"
    _ACHFee="12.24" _DefaultIndicator="Y" _ACHFee_Indicator="Y"/>
</CUSTOMER_SERVICE_UPDATE>

```

xiii. One Time ACH

***Input attribute list:***

Attribute	Use	Data Type	Comments
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_BankName	Mandatory	String(Max:80)	
_BankCity	Optional	String(Max:30)	
_BankState	Optional	Refers STATE_CD (STATE CODES (SUB CODE USED FOR TIME ZONE))	
_BankRoutingNumber	Mandatory	String(Max:30)	
_BankAccountType	Mandatory	Enumeration: C, S	
_FullNameOnAccount	Mandatory	String(Max:80)	
_BankAccountNumber	Mandatory	String(Max:30)	
_DebitDate	Mandatory	Date	
_PaymentAmount	Mandatory	Double	

Attribute	Use	Data Type	Comments
_Fee	Optional	Double	
_ACHFee_Indicator	Mandatory	Enumeration: Y, N	When set to Y, the _Fee value should be greater than or equal to the value defined as per minimum fee rules
_SecretQuestion	Optional	String(Max:30)	
_AnswerToSQ	Optional	String(Max:30)	
_WhoAuthorized	Optional	String(Max:30)	
_CheckNumber	Optional	PositiveInteger	
_Relation_Type	Optional	Refers RELATION_TYPE_CD (RELATION TYPE CODES)	
_DrawerName	Optional	String(Max:30)	
_DrawerAddress1	Optional	String(Max:30)	
_DrawerAddress2	Optional	String(Max:30)	
_DrawerCity	Optional	String(Max:30)	
_DrawerState	Optional	Same as _BankState attribute	
_DrawerZip	Optional	String(Max:30)	
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String(Max:30)	

Sample Input: Following is a sample input to create Onetime ACH

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
```

```
  <ACCOUNT_ONETIME_ACH_PAYMENT _BatchTxn_Indicator="N"
```

```
  _AccountNumber="20120100010026"
```

```
_BankAccountNumber="0987654321"  
_BankAccountType="C" _BankName="ABC"  
_BankRoutingNumber="987654321"  
_FullNameOnAccount="JOHN DOE"  
_EffectiveDate="2014-04-21"  
_DebitDate="2014-04-30" _PaymentAmount="330"  
_ACHFee_Indicator="Y" _Fee="2"/>  
</CUSTOMER_SERVICE_UPDATE>
```

xiv. Stop All ACH

**Input attribute list:**

Attribute	Use	Data Type	Comments
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_AccountNumber	Mandatory	String(Max:30)	

Sample Input: Following is a sample input to Stop All ACH for an Account.

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ALL_ACH_MAINTENANCE _AccountNumber="20120200010421"
    _EffectiveDate="2014-04-22"/>
</CUSTOMER_SERVICE_UPDATE>
```

xv. Stop ACH

**Input attribute list:**

Attribute	Use	Data Type	Comments
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_ReferenceNumber	Mandatory	String(Max:30)	
_AccountNumber	Mandatory	String(Max:30)	

Sample Input: Following is a sample input to Stop All ACH for an Account.

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ACH_MAINTENANCE _EffectiveDate="2014-04-23"
    _AccountNumber="20120100010125"
```



\_ReferenceNumber="201424011037"/>

</CUSTOMER\_SERVICE\_UPDATE>

xvi. Add Telecom Details

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String(Max:30)	Only Accounts with ACTIVE and CHGOFF status
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_Relation_Type	Mandatory	Refers RELATION_TYPE _CD (RELATION TYPE CODES)	
_Current	Mandatory	Enumeration: Y, N	
_Type	Mandatory	Refers TELECOM_TYPE _CD (TELECOMMUNI CATIONS TYPE CODES)	Signifies the type of Telecom record: A : ANSWERING SERVICE C : CAR/MOBILE PHONE F : FAX G : PAGER H : OTHER HOME PHONE M : MODEM ADDRESS P : PHONE W : OTHER WORK PHONE
_Phone	Mandatory	PositiveInteger	
_Phone_Extension	Optional	Integer	

Attribute	Use	Data Type	Comments
_TimeZone	Optional	String(Max:30)	Refer the lookup set-up for Time Zone values
_StartTime	Optional	PositiveInteger	Format -- HHMM ( in 12 hour format)
_StartPeriod	Optional	String(Max:2)	Values : AM, PM
_EndTime	Optional	PositiveInteger	Format -- HHMM ( in 12 hour format)
_EndPeriod	Optional	String(Max:2)	Values : AM, PM
_Permission_To_Call_IND	Mandatory	Enumeration: Y,N	

Sample Input: Following is a sample input to add a new telecom record for an Account in the telecoms set-up.

```
<?xml version="1.0" encoding="UTF-8" ?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <CUSTOMER_NEW_TELECOM _BatchTxn_Indicator="N" _AccountNumber="2012010026"
    _EffectiveDate="2014-04-29" _Relation_Type="PRIM"
    _Current="Y" _Type="C" _Phone="123456789"
    _Phone_Extension="909" _TimeZone="US/PACIFIC"
    _StartTime="0915" _StartPeriod="AM"
    _EndTime="0630" _EndPeriod="PM" _Permission_To_Call_IND="Y"/>
</CUSTOMER_SERVICE_UPDATE>
```

xvii. Maintain Telecom Details

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String(Max:30)	Only Accounts with ACTIVE and CHGOFF

Attribute	Use	Data Type	Comments
	y		status
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date
_Relation_Type	Mandatory	Refers RELATION_TYPE_CD (RELATION TYPE CODES)	
_Current	Mandatory	Enumeration: Y, N	
_Type	Mandatory	Refers TELECOM_TYPE_CD (TELECOMMUNICATIONS TYPE CODES)	Signifies the type of Telecom record. A : ANSWERING SERVICE C : CAR/MOBILE PHONE F : FAX G : PAGER H : OTHER HOME PHONE M : MODEM ADDRESS P : PHONE W : OTHER WORK PHONE
_Phone	Optional	PositiveInteger	
_Phone_Extension	Optional	Integer	
_TimeZone	Optional	String(Max:30)	Refer the lookup set-up for Time Zone values
_StartTime	Optional	PositiveInteger	Format -- HHMM ( in 12 hour format)
_StartPeriod	Optional	String(Max:2)	Values: AM, PM. Refer the lookup set-up for Period values
_EndTime	Optional	PositiveInteger	Format -- HHMM ( in 12 hour format)
_EndPeriod	Optional	String(Max:2)	Values: AM, PM. Refer the lookup set-up for Period

Attribute	Use	Data Type	Comments
			values
_Permission_To_Call_IND	Mandatory	Enumeration: Y,N	

Sample Input: Following is a sample input to maintain an existing telecom record for an Account in the telecoms set-up.

```
<?xml version="1.0" encoding="UTF-8" ?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <CUSTOMER_TELECOM_MAINTENANCE _BatchTxn_Indicator="N"
    _AccountNumber="20120110026"
    _EffectiveDate="2014-04-29"
    _Relation_Type="PRIM" _Current="Y" _Type="C"
    _Phone="123456789" _Phone_Extension="909"
    _TimeZone="US/PACIFIC" _StartTime="0900"
    _StartPeriod="AM" _EndTime="1100"
    _EndPeriod="PM" _Permission_To_Call_IND="Y" />
</CUSTOMER_SERVICE_UPDATE>
```

xviii. Maintain Employment Details

**Input attribute list:**

Attribute	Use	Data Type	Comments
_BatchTxn_Indicator	Optional	Enumeration: Y, N	
_AccountNumber	Mandatory	String(Max:30)	Only Accounts with ACTIVE and CHGOFF status
_EffectiveDate	Mandatory	Date	Should not be less than the GL post/Process date

Attribute	Use	Data Type	Comments
_Relation_Type	Mandatory	Enumeration: 2NDRY, COS, COS2, COS2_SPOUSE, COS_SPOUSE, PRIM,SPOUSE	
_Current	Mandatory	Enumeration: Y, N	
_Type	Mandatory	String(Max:30)	Signifies the type of Employment record. Refer the lookup set-up for Employment Type values
_Occupation	Optional	String(Max:30)	
_Title	Optional	String(Max:30)	
_Department	Optional	String(Max:30)	
_Country	Optional	String(Max:2)	
_Address_Nbr	Optional	String(Max:30)	
_City	Optional	String(Max:30)	
_State	Optional	Refers STATE_CD (STATE CODES (SUB CODE USED FOR TIME ZONE))	
_Address_Line_1	Optional	String(Max:80)	
_Address_Line_2	Optional	String(Max:80)	
_Zip	Optional	String(Max:30)	Refer the lookup set-up for Zip Code values
_Zip_Extension	Optional	String(Max:30)	
_Phone	Optional	PositiveInteger	
_Phone_Extension	Optional	Integer	

Attribute	Use	Data Type	Comments
_Comment	Optional	String(Max:240 )	
_Permission_To_Call_IND	Mandatory	Enumeration: Y,N	

Sample Input: Following is a sample input to maintain an existing employment record for an Account.

```
<?xml version="1.0" encoding="UTF-8" ?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <CUSTOMER_EMP_DETAILS_MAINTENANCE _BatchTxn_Indicator="N"
    _AccountNumber="2012010026"
    _EffectiveDate="2014-04-29"
    _Relation_Type="PRIM" _Current="Y" _Type="F"
    _Occupation="MGR" _Title="SENIOR DIRECTOR"
    _Department="MARKETING" _Country="US" _Address_Nbr="3107"
    _City="Plainsboro" _State="NJ" _Address_Line_1="Ravens Crest"
    _Address_Line_2="DRIVE" _Zip="08536" _Zip_Extension="609"
    _Phone="6092035555" _Phone_Extension="905"
    _Comment="Test Update" _Permission_To_Call_IND="Y"/>
</CUSTOMER_SERVICE_UPDATE>
```

## 2.3 CSSAccountPayOffQuoteRequestService

***Input attribute list:***

Attribute	Use	Data Type	Comments
_AccountNumber	Mandatory	String	
_EffectiveDate	Mandatory	DateTime	
_ValidUpToDate	Mandatory	DateTime	

_AssessFee_Indicator	Optional	Enumeration: Y,N	
_LetterPrint_Indicator	Optional	Enumeration: Y,N	
_Comment	Optional	String	

Sample Input:

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE _UserCode="TESTUSER" _Version="10.0">

<ACCOUNT_PAYOFF_QUOTE _AccountNumber="20111200012575" _AssessFee_Indicator="N"
_Comment="Updating Payoff Quote"

_EffectiveDate="2014-11-09T11:53:15" _LetterPrint_Indicator="N"

_ValidUpToDate="2014-11-20T11:53:15"/>

</CUSTOMER_SERVICE>

```

## 2.4 LOSApplicationAccountWebService

*Input element list:*

Element	Sub Element	Child Element	Use	Data Types	Comments
LOAN_APPLICATION			Mandatory		
APPLICATION_DATA			Mandatory		
		ApplicationDate	Optional	DateType	
		OriginationSystemReference	Mandatory	String	
		Product	Mandatory	String	
		SourceCode	Mandatory	String	
		PriorityCode	Optional	String	
		CompanyCode	Mandatory	String	
		BranchCode	Mandatory	String	
		StatusCode	Optional	String	
		SubStatusCode	Optional	String	
		OriginationStageCode	Optional	String	
		PurposeCode	Optional	String	
		ProductTypeCode	Optional	String	



Element	Sub Element	Child Element	Use	Data Types	Comments
		ProducerNumber	Mandatory	String	
		ExistingCustomerInd	Optional	Enumeration: Y, N	
		DuplicateInd	Optional	Enumeration: Y, N	
		LoanCurrencyCode	Optional	String	
		ClassTypeCode	Optional	String	
		JointIndicator	Optional	Enumeration: Y, N	
		CosignedIndicator	Optional	Enumeration: Y, N	
		SubUnitCode	Optional	String	
		CreatedBy	Optional	String	
APPLICANT_DATA			Mandatory		
	PRIMARY_APPLICANT_DATA		Optional		
		RelationTypeCode	Mandatory	String	
		FirstName	Mandatory	String	
		MiddleName	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		LastName	Mandatory	String	
		SSN	Mandatory	Integer	
		BirthDate	Mandatory	Date	
		GenderCode	Optional	String	
		MaritalStatus	Optional	String	
		NumberOfDependents	Optional	Non Negative Integer	
		LanguageCode	Optional	String	
		DisabilityIndicator	Mandatory	Enumeration: Y,N	
		DrivingLicenseNumber	Optional	String	
		DrivingLicenseStateCode	Optional	String	
		MotherMaidenName	Optional	String	
		EmailAddress1	Optional	String	
		ClassTypeCode	Mandatory	String	
		GenerationCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ResidencyDate	Optional	DateType	
		PrivacyOptoutIndicator	Mandatory	Enumeration: Y,N	
		MaritalStatusDate	Optional	DateType	
		SalutationTypeCode	Optional	String	
		MaidenName	Optional	String	
		FullName	Optional	String	
		PermitToStay	Optional	String	
		PermitToWork	Optional	String	
		PassportNumber	Optional	String	
		PassportIssueDate	Optional	DateType	
		PassportExpiryDate	Optional	DateType	
		NationalId	Optional	String	
		VisaNbr	Mandatory	String	
		NationalityCode	Mandatory	String	
		EducationLevelCode	Optional	String	
		PriorBankruptcyIndicat	Optional	Enumeration:	

Element	Sub Element	Child Element	Use	Data Types	Comments
		or		Y,N	
		KycRefNbr	Optional	Non Negative Integer	
		KycStatusCode	Optional	String	
		LiabNbr	Optional	Integer	
		BirthPlace	Optional	String	
		BirthCountryCd	Optional	String	
		UsResInd	Optional	String	
		CustomerCategoryCd	Optional	String	
		PaIssuedInd	Optional	String	
		PaHolderName	Optional	String	
		PaAddress	Optional	String	
		PaHolderAdrCntryCd	Optional	String	
		PaHolderNationalityCd	Optional	String	
		PaHolderPhoneIsdCd	Optional	Int Type	
		PaHolderPhone	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CrbEcoaCode	Optional	String	
		RaceNationalOriginCode	Optional	String	
	ADDRESS		Optional		Allows multiple elements
		AddressTypeCode	Mandatory	String	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		Phone	Mandatory	Long	
		PhoneIsdCd	Optional	Int Type	
		Comment	Optional	String	
		MailingIndicator	Mandatory	Enumeration: Y,N	
		CurrentIndicator	Mandatory	Enumeration: Y,N	

Element	Sub Element	Child Element	Use	Data Types	Comments
		City	Optional	String	
		State	Optional	String	
		CountryCode	Mandatory	String	
		PostalAddressTypeCode	Mandatory	String	
		StreetName	Optional	String	
		StreetTypeCode	Optional	String	
		StreetPreTypeCode	Optional	String	
		StreetPostTypeCode	Optional	String	
		AddressNumber	Mandatory	PositiveIntegerType	
		SuiteNumber	Optional	PositiveIntegerType	
		Address3	Optional	String	
		Landmark	Optional	String	
		ConfirmedIndicator	Optional	Enumeration: Y,N	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	

Element	Sub Element	Child Element	Use	Data Types	Comments
	EMPLOYMENTS		Optional		Allows multiple elements
		Title	Optional	String	
		OccupationCode	Optional	String	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		Name	Mandatory	String	
		AddressNumber	Optional	String	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Optional	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		State	Optional	String	
		CountryCode	Mandatory	String	
		Phone	Mandatory	Long	

Element	Sub Element	Child Element	Use	Data Types	Comments
		PhoneExtension	Optional	Int Type	
		PhoneIsdCd	Optional	Int Type	
		Comment	Optional	String	
		EmployeeTypeCode	Mandatory	String	
		StreetName	Optional	String	
		SteNbr	Optional	String	
		EmployeeId	Optional	String	
		Department	Optional	String	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	
		Years	Mandatory	Int Type	
		Months	Mandatory	Int Type	
		FrequencyCode	Mandatory		
	TELECOMS		Optional		Allows multiple elements
		TelecomTypeCode	Mandatory	String	
		Phone	Mandatory	Long	



Element	Sub Element	Child Element	Use	Data Types	Comments
		PhoneExtension	Optional	Int Type	
		PhoneIsdCd	Optional	Int Type	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		BestCallStartTime	Optional	Integer	
		CallStartPeriodCode	Optional	String	
		BestCallEndTime	Optional	Integer	
		CallEndPeriodCode	Optional	String	
		TimeZoneCode	Optional	String	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	
	TRACKING_ATTRIBUTES		Optional		Allows multiple elements
		FtbTable	Mandatory	String	
		TableAttribute	Mandatory	String	
		TableSubAttribute	Optional	String	
		Value	Mandatory	String	
	OTHER_APPLICANT_DATA		Optional		Allows multiple

Element	Sub Element	Child Element	Use	Data Types	Comments
					elements
		RelationTypeCode	Mandatory	String	
		FirstName	Mandatory	String	
		MiddleName	Optional	String	
		LastName	Mandatory	String	
		SSN	Mandatory	String	
		BirthDate	Mandatory	DateType	
		GenderCode	Optional	String	
		MaritalStatus	Optional	String	
		NumberOfDependents	Optional	Non Negative Integer	
		LanguageCode	Optional	String	
		DisabilityIndicator	Mandatory	Enumeration: Y,N	
		DrivingLicenseNumber	Optional	String	
		DrivingLicenseStateCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		MotherMaidenName	Optional	String	
		EmailAddress1	Optional	String	
		ClassTypeCode	Mandatory	String	
		GenerationCode	Optional	String	
		ResidencyDate	Optional	DateType	
		PrivacyOptoutIndicator	Mandatory	Enumeration: Y,N	
		MaritalStatusDate	Optional	DateType	
		SalutationTypeCode	Optional	String	
		MaidenName	Optional	String	
		FullName	Optional	String	
		PermitToStay	Optional	String	
		PermitToWork	Optional	String	
		PassportNumber	Optional	String	
		PassportIssueDate	Optional	DateType	
		PassportExpiryDate	Optional	DateType	
		NationalId	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		VisaNbr	Mandatory	String	
		NationalityCode	Mandatory	String	
		EducationLevelCode	Optional	String	
		PriorBankruptcyIndicator	Optional	Enumeration: Y,N	
		KycRefNbr	Optional	Non Negative Integer	
		KycStatusCode	Optional	String	
		LiabNbr	Optional	String	
		BirthPlace	Optional	String	
		BirthCountryCd	Optional	String	
		UsResInd	Optional	String	
		CustomerCategoryCd	Optional	String	
		PaIssuedInd	Optional	String	
		PaHolderName	Optional	String	
		PaAddress	Optional	String	
		PaHolderAdrCntryCd	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		PaHolderNationalityCd	Optional	String	
		PaHolderPhoneIscdCd	Optional	Int Type	
		PaHolderPhone	Optional	String	
		CrbEcoaCode	Optional	String	
		RaceNationalOriginCode	Optional	String	
	ADDRESS		Optional		Allows multiple elements
		AddressTypeCode	Mandatory	String	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Mandatory	String	
		ZipExtension	Optional	PositiveIntegerType	
		Phone	Mandatory	Long	
		PhoneIscdCd	Optional	Int Type	
		Comment	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		MailingIndicator	Mandatory	Enumeration: Y,N	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		City	Optional	String	
		State	Optional	String	
		CountryCode	Mandatory	String	
		PostalAddressTypeCode	Mandatory	String	
		StreetName	Optional	String	
		StreetTypeCode	Optional	String	
		StreetPreTypeCode	Optional	String	
		StreetPostTypeCode	Optional	String	
		AddressNumber	Mandatory	PositiveIntegerType	
		SuiteNumber	Optional	PositiveIntegerType	
		Address3	Optional	String	
		Landmark	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ConfirmedIndicator	Optional	Enumeration: Y,N	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	
	EMPLOYMENTS		Optional		Allows multiple elements
		Title	Optional	String	
		OccupationCode	Optional	String	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		Name	Mandatory	String	
		AddressNumber	Optional	String	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Optional	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		State	Optional	String	
		CountryCode	Mandatory	String	
		Phone	Mandatory	Long	
		PhoneExtension	Optional	Int Type	
		PhoneIsdCd	Optional	Int Type	
		Comment	Optional	String	
		EmployeeTypeCode	Mandatory	String	
		StreetName	Optional	String	
		SteNbr	Optional	String	
		EmployeeId	Optional	String	
		Department	Optional	String	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	
		Years	Mandatory	Int Type	
		Months	Mandatory	Int Type	
		FrequencyCode	Mandatory	String	
	TELECOMS		Optional		Allows multiple



Element	Sub Element	Child Element	Use	Data Types	Comments
					elements
		TelecomTypeCode	Mandatory	String	
		Phone	Mandatory	Long	
		PhoneExtension	Optional	Int Type	
		PhoneIsdCd	Optional	Int Type	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		BestCallStartTime	Optional	Integer	
		CallStartPeriodCode	Optional	String	
		BestCallEndTime	Optional	Integer	
		CallEndPeriodCode	Optional	String	
		TimeZoneCode	Optional	String	
		PermissionToCallIndicator	Mandatory	Enumeration: Y,N	
	TRACKING_ATTRIBUTES		Optional		Allows multiple elements
		FtbTable	Mandatory	String	
		TableAttribute	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		TableSubAttribute	Optional	String	
		Value	Mandatory	String	
BUSINESS_DETAILS			Optional		
		OrganizationTypeCode	Mandatory	String	
		BusinessTypeCode	Mandatory	String	
		BusinessName	Mandatory	String	
		LegalName	Mandatory	String	
		TaxId	Mandatory	String	
		StartDate	Mandatory	DateType	
		CurrentEmployees	Mandatory	positiveInteger	
		NumberOfEmployess	Mandatory	positiveInteger	
		ContactPerson	Optional	String	
		NumberOfLocations	Mandatory	positiveInteger	
		CurrentManagementSi nce	Mandatory	PositiveInteg erType	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CheckingBank	Mandatory	String	
		BankAccountNumber	Mandatory	String	
		AverageCheckingBalance	Mandatory	String	
		AnalysisFrequencyCode	Optional	String	
		GrossMarginFactor	Optional	Integer	
		IncomeAmount	Optional	Double	
		BusinessExpenseAmount	Optional	Double	
		PersonalExpenseAmount	Optional	Double	
		AnnualSalesRevenue	Optional	String	
		ProjectedSalesAmount	Optional	Double	
		AverageCollection	Optional	String	
		AnnualAverageProjectedCollection	Optional	String	
		BookListValue	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		OpenDelinquencyPercentage	Optional	integer	
		Turnover	Optional	Integer	
		Equity	Optional	Integer	
		Title1	Optional	String	
		Title2	Optional	String	
		Title3	Optional	String	
		Title4	Optional	String	
		CapitalAmount	Optional	Double	
		EarnedSurplusAmount	Optional	Double	
		AnnualSalesAmount	Optional	Double	
		GrossProfitAmount	Optional	Double	
		NetProfitAmount	Optional	Double	
		WorkingCapitalAmount	Optional	Double	
	BUSINESS_ADDRESS		Optional		Allows multiple elements
		CurrentIndicator	Mandatory	Enumeration:	

Element	Sub Element	Child Element	Use	Data Types	Comments
				Y,N	
		MailingIndicator	Mandatory	Enumeration: Y,N	
		PostalAddressCode	Mandatory	String	
		AddressNumber	Optional	String	
		StreetName	Optional	String	
		StreetTypeCode	Optional	String	
		StreetPreTypeCode	Optional	String	
		StreetPostTypeCode	Optional	String	
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		State	Optional	String	
		Country	Mandatory	String	
		Phone	Mandatory	Long	

Element	Sub Element	Child Element	Use	Data Types	Comments
		OwnershipCode	Optional	String	
		Comment	Optional	String	
		AddressTypeCode	Optional	String	
		StartDate	Optional	DateType	
	BUSINESS_TELECOMS		Optional		Allows multiple elements
		TelecomTypeCode	Mandatory	String	
		Phone	Mandatory	Long	
		PhoneExtension	Optional	Int Type	
		CurrentIndicator	Mandatory	Enumeration: Y,N	
	BUSINESS_PARTNERS		Optional		Allows multiple elements
		PrefixCode	Optional	String	
		FirstName	Optional	String	
		LastName	Optional	String	
		MiddleName	Optional	String	
		GenerationCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		SSN	Mandatory	Integer	
		BirthDateType	Optional	DateType	
		BirthPlace	Optional	String	
		Title	Optional	String	
		OwnershipPercent	Mandatory	Integer	
		NetWorth	Mandatory	String	
		GrossIncome	Mandatory	String	
		LanguageCode	Optional	String	
		RaceNationalOriginCode	Optional	String	
		Email	Optional	String	
		Phone	Mandatory	Long	
		PhoneExtension	Optional	Int Type	
		PostalAddressTypeCode	Optional	String	
		AddressNumber	Optional	String	
		StreetName	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		StreetTypeCode	Optional	String	
		StreetPreTypeCode	Optional	String	
		StreetPostTypeCode	Optional	String	
		SuiteNumber	Optional	PositiveIntegerType	
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		State	Optional	String	
		CountryCode	Mandatory	String	
		directorIndicator	Optional	Enumeration: Y,N	
	BUSINESS_AFFILIATES		Optional		Allows multiple elements
		OrganizationTypeCode	Optional	String	



Element	Sub Element	Child Element	Use	Data Types	Comments
		LegalName	Optional	String	
		BusinessName	Optional	String	
		TaxId	Optional	String	
		OwnershipPercent	Mandatory	integer	
		NumberOfEmployees	Mandatory	Positive Integer	
		NaicsCode	Optional	String	
		Phone	Optional	Long	
		PostalAddressTypeCode	Optional	String	
		AddressNumber	Optional	String	
		StreetName	Optional	String	
		StreetTypeCode	Optional	String	
		StreetPreTypeCode	Optional	String	
		StreetPostTypeCode	Optional	String	
		SuiteNumber	Optional	PositiveIntegerType	
		Address1	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		StateCode	Optional	String	
		CountryCode	Mandatory	String	
APPLICATION_COLLATERAL_DETAILS			Optional		Allows multiple elements
		Type	Mandatory	String	
		SubType	Mandatory	String	
		PrimaryIndicator	Optional	Enumeration: Y,N	
		ClassCode	Mandatory	String	
		StatusCode	Optional	String	
		NewIndicator	Optional	Enumeration: Y,N	
		Year	Mandatory	Int Type	

Element	Sub Element	Child Element	Use	Data Types	Comments
		Make	Optional	String	
		Model	Optional	String	
		Body	Optional	String	
		IdentificationNbr	Optional	String	
		ConditionCode	Optional	String	
		AseGeo	Optional	String	
		AddressNumber	Optional	String	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		StateCode	Optional	String	
		CountyCode	Optional	String	
		Country	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		UsageStart	Optional	Int Type	
		BaseUsage	Optional	Int Type	
		ExtraUsage	Optional	Int Type	
		TotalUsage	Optional	Int Type	
		UsageCharge	Optional	Int Type	
		RegistrationNbr	Optional	String	
		MeteBondsIndicator	Optional	Enumeration: Y,N	
		FloodZoneIndicator	Optional	Enumeration: Y,N	
		CollateralTypeCode	Optional	String	
		OwnerOccupancyCode	Optional	String	
		Block	Optional	String	
		Location	Optional	String	
		SizeWidth	Optional	String	
		SizeLength	Optional	String	
		SizeArea	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		PurchaseOrderNbr	Optional	String	
		LegalDesc	Optional	String	
		Lot	Optional	String	
		SubDivision	Optional	String	
		ParcelIdNbr	Optional	String	
		NotRequiredIndicator1 098	Optional	Enumeration: Y,N	
		DeedDate	Optional	DateType	
		PermitDate	Optional	DateType	
		DeedIssuePlace	Optional	String	
		PROP_BND_North	Optional	String	
		PROP_BND_South	Optional	String	
		PROP_BND_East	Optional	String	
		PROP_BND_West	Optional	String	
	VALUATION_DETAILS		Optional		Allows multiple elements
		CurrentIndicator	Mandatory	Enumeration: Y,N	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ValuationDate	Mandatory	DateType	
		SourceCode	Mandatory	String	
		Edition	Optional	String	
		Supplement	Optional	String	
		Usage	Mandatory	Int Type	
		RetailValue	Mandatory	String	
		WholesaleValue	Mandatory	String	
		UsageValue	Mandatory	Int Type	
		AddOnsValue	Optional	String	
		TotalValue	Optional	String	
		CurrencyCode	Optional	String	
		CerRate	Optional	Double	
		CurrencyRetailValue	Optional	String	
		CurrencyWholeSaleValue	Optional	String	
		CurrencyUsageValue	Optional	Int Type	
		CurrencyAddOnValue	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CurrencyTotalValue	Optional	String	
	ADDON_DETAILS		Optional		Allows multiple elements
		Type	Mandatory	String	
		Amount	Mandatory	Double	
		Value	Optional	String	
		Description	Optional	String	
	TRACKING_DETAILS		Optional		Allows multiple elements
		FtbTable	Mandatory		
		DispositionCode	Mandatory		
		TrackingStartDate	Mandatory	DateType	
		TrackingEndDate	Optional	DateType	
		NextFollowupDate	Mandatory	DateType	
		EnabledIndicator	Optional	Enumeration: Y,N	
		TrackingComment	Optional		
	TRACKING_ITEM_DETAILS		Optional		Allows multiple

Element	Sub Element	Child Element	Use	Data Types	Comments
					elements
		FtbTable	Mandatory	String	
		FtaTableAttribute	Optional	String	
		Value	Optional	String	
SELLER_DETAILS			Optional		Allows multiple elements
		Name	Mandatory	String	
		NationalityCode	Optional	String	
		NationalityId	Mandatory	String	
		Signatory	Optional	String	
		TypeCode	Mandatory	String	
		EducationLevelCode	Optional	String	
	SELLER_ADDRESS		Optional		
		CurrentIndicator	Mandatory	Enumeration: Y,N	
		MailingIndicator	Mandatory	Enumeration: Y,N	
		AddressNumber	Optional	String	



Element	Sub Element	Child Element	Use	Data Types	Comments
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		StateCode	Optional	String	
		CountryCode	Mandatory	String	
		Phone	Mandatory	Long	
		PhoneExtension	Optional	Int Type	
APPLICATION_COMMENTS			Optional		Allows multiple elements
		Comment	Mandatory	String	
		CommentDate	Mandatory	DateType	
		CommentBy	Mandatory	String	
		TypeCode	Mandatory	String	
		SubTypeCode	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ImportantIndicator	Mandatory	Enumeration: Y,N	
APPLICATION_CONTRACT_DETAILS			Mandatory		
	CONTRACT_RECORD		Optional		
		ContractDate	Mandatory	DateType	
		AppTerm	Mandatory	Integer	
		FirstPaymentDate	Mandatory	DateType	
		MaturityDate	Mandatory	DateType	
		LoanAmount	Mandatory	Double	
		FeeAmountFinanced	Mandatory	Double	
		FeeAmountPrepaid	Mandatory	Double	
		AmountFinanced	Mandatory	Double	
		MarginRate	Mandatory	Double	
		Apr	Mandatory	String	
		FinanceCharge	Mandatory	String	
		PaymentAmount	Mandatory	Double	
		BallonAmount	Optional	Double	

Element	Sub Element	Child Element	Use	Data Types	Comments
		TotalOfPayment	Mandatory	String	
		TotalSalePrice	Mandatory	String	
		TotalDownPayAmount	Optional	Double	
		ContractRecievedDate	Mandatory	DateType	
		ContractVerifyDate	Mandatory	DateType	
		ContractVerifyBy	Mandatory	String	
		PromCode	Optional	String	
		PromPaymentAmount	Optional	Double	
		LinkExistingCustomerInd	Mandatory	String	
		PisInstrument	Mandatory	String	
		MaturityMarginRate	Mandatory	Double	
		DueDay	Optional	Integer	
		CrLimit	Optional	Integer	
		RepaymentTerm	Mandatory	Int Type	
		DrawTerm	Mandatory	Int Type	
		CapitalizedCostGro	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CapitalizedCostRed	Mandatory	String	
		CapitalizedCostAdj	Mandatory	String	
		ResidualValue	Mandatory	Integer	
		DepreciationValue	Mandatory	Integer	
		RentValue	Mandatory	Integer	
		CompAmount	Optional	Double	
		CouponOrderInd	Optional	String	
		CouponOrderDate	Optional	DateType	
		CouponOrderBy	Optional	String	
		CouponFirstPayment Date	Optional	DateType	
		CouponStartNumber	Optional	Integer	
		CouponNumbers	Optional	Integer	
		AchIndicator	Optional	Enumeration: Y,N	
		SystemCreditScore	Optional	int	
		SystemCreditGrade	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CppCode	Optional	String	
		PrepaidAmount	Optional	Double	
		PayAmountEstimated	Optional	Double	
		TotalPaymentEstimated	Optional	String	
		SalesTaxAmountEstimated	Optional	Double	
		SecurityDepositAmount	Optional	Double	
		FeeAmountEscrowed	Optional	Double	
		UpFrontPercent	Optional	Double	
		AmountUpfront	Optional	Double	
		AmountRemaining	Optional	Double	
		RateSpread	Optional	Double	
		RevisePlanTerm	Optional	Integer	
		FinalPaymentAmount	Optional	Double	
		AdvDrawEndDate	Optional	DateType	
		FlexibleRepaymentInd	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		RepaymentTypeCode	Optional	String	
		RepaymentSkipPeriod	Optional	Integer	
		RateChangeFrequencyType	Optional	String	
		RateChangePeriod	Optional	Integer	
		BusinessIndicator	Optional	Enumeration: Y,N	
		CurrencyCode	Optional	String	
		SigningDate	Optional	DateType	
		ProbableDeliveryDate	Optional	DateType	
		SubventionAmount	Optional	Double	
		SubventionRateEffective	Optional	String	
		SubventionRentFactorEffective	Optional	String	
		UnderWriterUserCode	Optional	String	
		CollectorUserCode	Optional	String	
		IndexTypeCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
	RE_PAYMENT_OPTIONS		Optional		
	RE_PAYMENT_SCHEDULE		Optional		
		RePaymentDate	Optional	DateType	
		RePaymentAmount	Optional	String	
		NoOfPayments	Optional	Integer	
		SystemGeneratedIndicator	Optional	Enumeration: Y,N	
	PAYMENT_CHANGE_SCHEDULE		Optional		
		Frequency	Optional	String	
		NoOfAdjustmnet	Optional	Integer	
		Period	Optional	Integer	
		OptionType	Optional	String	
		AdjustmnetValue	Optional	Integer	
	TRADE_IN		Optional		Allows multiple elements
		Type	Mandatory	String	
		SubType	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		Year	Mandatory	Int Type	
		Make	Mandatory	String	
		Model	Mandatory	String	
		Body	Optional	String	
		IdentificationNumber	Optional	Positive Integer	
		ValuationDate	Optional	DateType	
		ValuationSourceCode	Optional	String	
		ValuationEdition	Optional	String	
		ValuationSupplement	Optional	String	
		RetailValue	Mandatory	String	
		WholesaleValue	Mandatory	String	
		AddOnsValue	Mandatory	String	
		PayoffAmount	Mandatory		
	SUBVENTION		Optional		Allows multiple elements
		SBPCode	Mandatory	String	



Element	Sub Element	Child Element	Use	Data Types	Comments
		SSPCode	Mandatory	String	
		SubventionTypeCode	Mandatory	String	
	SUBVENTION_DETAILS		Optional		
		PROId	Mandatory	Long	
		SubventionAMT	Mandatory	String	
		SubventionRate	Mandatory	Double	
		SubventionRentFactor	Mandatory	String	
	ACH		Optional		Allows multiple elements
		BankName	Mandatory	String	
		BankRoutingNBR	Mandatory	String	
		AccountTypeCode	Optional	String	
		AccountNBR	Mandatory	String	
		PaymentDay	Mandatory	Integer	
		PaymentAmount	Mandatory	Double	
		PaymentAmountExcess	Optional	Double	

Element	Sub Element	Child Element	Use	Data Types	Comments
		FrequencyCode	Optional	String	
		StartDate	Mandatory	DateType	
		EndDate	Optional	DateType	
		FeeIndicator	Optional	Enumeration: Y,N	
		DefaultIndicator	Mandatory	Enumeration: Y,N	
		StatusCode	Mandatory		
	POST_DATE_CHECKS		Optional		Allows multiple elements
		TypeCode	Mandatory	String	
		StatusCode	Mandatory	String	
		CheckNBR	Mandatory	String	
		CheckDate	Mandatory	DateType	
		CheckAmount	Mandatory	Double	
		BankRoutingNBR	Mandatory	String	
		AccountTypeCode	Mandatory	String	
		AccountNBR	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		BankName	Mandatory	String	
		BankBranchName	Mandatory	String	
		DocketCode	Mandatory	String	
		Comment	Mandatory	String	
	REFERENCES		Optional		Allows multiple elements
		TypeCode	Mandatory	String	
		Name	Mandatory	String	
		Year	Mandatory	Int Type	
		Months	Mandatory	Int Type	
		Address1	Optional	String	
		Address2	Optional	String	
		Zip	Optional	PositiveIntegerType	
		ZipExtension	Optional	PositiveIntegerType	
		City	Optional	String	
		StateCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CountryCode	Mandatory	String	
		Phone1	Optional	Long	
		Phone1Ext	Optional	Integer	
		Phone2	Optional	Long	
		Phone2Ext	Optional	Integer	
		Comment	Optional	String	
	ITEMIZATIONS		Optional		Allows multiple elements
		TcdCode	Optional	String	
		ItemizationTcdCode	Mandatory	String	
		AmortizeTypeCode	Optional	String	
		TaxableIndicator	Optional	Enumeration: Y,N	
		ContractSign	Optional	Integer	
		ContractValue	Mandatory	Double	
		ContractTerm	Optional	Integer	
		Comment	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		Company	Optional	String	
		PhoneOne	Optional	Long	
		PhoneOneExtention	Optional	String	
		PhoneTwo	Optional	Long	
		PhoneTwoExtension	Optional	String	
		PolicyNumber	Optional	String	
		PrimaryBeneficiary	Optional	String	
		SecondaryBeneficiary	Optional	String	
		EffectiveDate	Optional	DateType	
		ExpiryDate	Optional	DateType	
		CancelDate	Optional	DateType	
		CancelReason	Optional	String	
		CancelTermRemainin g	Optional	Int Type	
		CancelAmountEstimat ed	Optional	Integer	
		CancelAmountReceiv ed	Optional	Integer	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CompleteRefundReceivedIndicator	Optional	Enumeration: Y,N	
		InsuranceSubTypeCode	Optional	String	
		Address1	Optional	String	
		Address2	Optional	String	
		City	Optional	String	
		StateCode	Optional	String	
		Zip	Mandatory	PositiveIntegerType	
		ZipExtension	Mandatory	PositiveIntegerType	
		CountryCode	Optional	String	
		PaymentModeCode	Optional	String	
		PartyNumber	Optional	String	
		AccountNumber	Optional	String	
		ACHBankName	Mandatory	String	
		ACHBankRoutingNumber	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ACHAccountTypeCode	Optional	String	
		ACHAccountNumber	Optional	String	
		CompanyCode	Optional	String	
		RefundAllowedIndicator	Optional	Enumeration: Y,N	
		RefundCalcMethodCode	Optional	String	
		ComissionAmount	Optional	Double	
		EscrowTypeCode	Optional	String	
		EscrowSubTypeCode	Optional	String	
		VendorId	Optional	String	
		EscrowRequiredIndicator	Optional	Enumeration: Y,N	
		EscrowOptoutIndicator	Optional	Enumeration: Y,N	
		EdrRule	Optional	String	
		YearlyDisburseAmount	Optional	Double	

Element	Sub Element	Child Element	Use	Data Types	Comments
		MaturityDate	Optional	DateType	
		ReferenceAccountNumber	Optional	String	
		PropertyTaxCode	Optional	String	
		CoverageTypeCode	Optional	String	
		CoverageTerm	Optional	Int Type	
		CoverageAmount	Optional	Double	
		CushionAllowedIndicator	Optional	Enumeration: Y,N	
		AddressNumber	Optional	String	
		StreetName	Optional	String	
		SuiteNumber	Optional	PositiveIntegerType	
		PinCode	Optional	String	
		CancelFee	Optional	String	
		CancelGraceDays	Optional	Non Negative Integer	
		GracePeriodFeeInd	Optional	String	



Element	Sub Element	Child Element	Use	Data Types	Comments
		ItemizationTypeCode	Optional	String	
		ValueApproved	Optional	String	
		ValueRequested	Optional	String	
		ItemizationFormula	Optional	String	
		DiscountRate	Optional	Integer	
		CurrencyCode	Optional	String	
		DisbursementCurrencyCode	Optional	String	
		PaymentDate	Optional	DateType	
		PaymentRefNumber	Optional	String	
		PrefundingStatusCode	Optional	String	
		DisbursementType	Optional	String	
	INSURANCES		Optional		Allows multiple elements
		PlanCode	Mandatory	String	
		InsuranceTypeCode	Mandatory	String	
		InsuranceSubtypeCode	Mandatory	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		Company	Optional	String	
		PolicyNbr	Optional	String	
		EffectiveDate	Optional	DateType	
		Term	Mandatory	Int Type	
		ExpiryDate	Optional	DateType	
		PremiumAmount	Mandatory	Double	
		Phone1	Optional	Long	
		Phone1Extn	Optional	Integer	
		Phone2	Optional	Long	
		Phone2Extn	Optional	integer	
		PrimaryBeneficiary	Optional	String	
		SecondaryBeneficiary	Optional	String	
		CancelDate	Mandatory	DateType	
		RemainingCancelTerm	Mandatory	Int Type	
		EstimatedRefundAmount	Mandatory	Double	

Element	Sub Element	Child Element	Use	Data Types	Comments
		ReceivedRefundAmount	Mandatory	Double	
		CompleteRefundReceivedIndicator	Mandatory	Enumeration: Y,N	
		Comment	Optional	String	
		CommissionAmount	Mandatory	Double	
		CommissionCode	Mandatory	String	
		RefundAllowedIndicator	Mandatory	Enumeration: Y,N	
		RefundCalculationMethodCode	Mandatory	String	
		ContractIndicator	Mandatory	Enumeration: Y,N	
		AcId	Optional	Integer	
		InsuranceStatusCode	Mandatory	String	
		CancelReasonCode	Optional	String	
		InsuranceModeCode	Mandatory	String	
		AcIdItemizationTcdCode	Optional	String	

Element	Sub Element	Child Element	Use	Data Types	Comments
		CancelFee	Mandatory	Integer	
		GracePeriodFeeIndicator	Optional	Enumeration: Y,N	
		CancelGraceDays	Optional	Non Negative Integer	
CUSTOM_USERDEFINED_DATA			Optional		Allows multiple elements.  This is user-defined element
		KeyName	Optional	String	
		KeyValue	Optional	String	

## Sample Input for Loan Product

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<LastName>BROAD</LastName>

<SSN>123123123</SSN>

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<GenerationCode>JR</GenerationCode>

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### **Sample Input for Line Product**

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## 3. Sample Outputs

### 3.1 CSSAccountSearchRequestService

- i) AccountNumber: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag.

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<CUSTOMER_SERVICE>
```

```

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_Title="JOHN DOE"/>
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```

- ii) CustomerFirstName: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag.

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>
<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>

```

- iii) CustomerLastName: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag.

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>
<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>

```

- iv) SSN: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

```

```
<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>
<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>
```

- v) Phone number: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag

```
<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>
<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>
```

- vi) BirthDate: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag

```
<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>
<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>
```

- vii) Vehicle Identification Number: This service can return multiple records. Each different record will be available in a different **<CUSTOMER\_SEARCH\_SUMMARY>** tag

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE>

<CUSTOMER_SEARCH_SUMMARY _Account_Number="20130200011098" _CustomerId="2005"
_Email_Address="s.s@gmail.com"

_FirstName="JOHN" _LastName="DOE" _Product="LOAN-VE" _Status="ACTIVE"

_Title="JOHN DOE"/>

<CUSTOMER_SEARCH_SUMMARY/>

</CUSTOMER_SERVICE>

```

## 3.2 CSSPostTransactionsRequestService

- i. Customer Email Address Update

### **Successful Transaction Posting:**

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">

<CUSTOMER_DETAILS_CHANGES _AccountNumber="20111200012575"

_BirthDate="1983-02-10" _Disability_Indicator="N"

_Driving_License_Number="436164136547457"

_EffectiveDate="2014-02-27"

_Email_Address="a.a007@gmail.com"

_Marital_Status="SINGLE" _Number_Of_Dependents="2"

_Relation_Type="PRIM" _SSN="999999999">

<RESULT _Id="24143"

_Result=" - ***** Transaction Posting Successful *****"/>

</CUSTOMER_DETAILS_CHANGES>

</CUSTOMER_SERVICE_UPDATE>

```

### **Un-successful Transaction Posting:**

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">

<CUSTOMER_DETAILS_CHANGES _AccountNumber="2011120001257"

```

```
_BirthDate="1983-02-10" _Disability_Indicator="N"
_EffectiveDate="2014-03-03"
_Email_Address="test@gmail.com"
_Marital_Status="SINGLE" _Number_Of_Dependents="2"
_Relation_Type="PRIM" _SSN="999999999">
<RESULT _Result="Unable to process transaction due to unknown error."/>
</CUSTOMER_DETAILS_CHANGES>
</CUSTOMER_SERVICE_UPDATE>
```

ii. Address Details Update

**Successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<CUSTOMER_ADDRESS_CHANGES _AccountNumber="20111200012575" _City="Plainsboro"
  _Comment="Test update of the address"
  _Country="US" _EffectiveDate="2014-02-27"
  _Mailing_Indicator="Y" _Number="1"
  _Phone="2123456544" _Postal_Type="NM"
  _Relation_Type="PRIM" _State="NJ"
  _Street_Name="Washington St" _Street_Type="ST"
  _Suite_Number="123" _Type="H" _Zip="08536" _Permission_To_Call_IND="Y">
<RESULT _Id="24144"
  _Result=" - ***** Transaction Posting Successful *****"/>
</CUSTOMER_ADDRESS_CHANGES>
</CUSTOMER_SERVICE_UPDATE>
```

**Un-successful Transaction Posting:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>
<CUSTOMER_SERVICE_UPDATE _UserCode=""TESTUSER"" _Version=""10.0"">
  <CUSTOMER_ADDRESS_CHANGES _AccountNumber=""2011120001257""
    _City=""Plainsboro"" _Comment=""test""
    _Country=""US"" _EffectiveDate=""2014-03-03""
    _Mailing_Indicator=""Y"" _Number=""1""
    _Phone=""2123456544"" _Postal_Type=""NM""
    _Relation_Type=""PRIM"" _State=""NJ""
    _Street_Name=""Washington' St="" _Street_Type=""ST""
    _Suite_Number=""123"" _Type=""H"" _Zip=""08536"" _Permission_To_Call_IND=""Y">
<RESULT _Result=""Unable' process="" transaction="" due="" to="" unknown=""
error.=""/>
  </CUSTOMER_ADDRESS_CHANGES>
</CUSTOMER_SERVICE_UPDATE>

```

iii. Address Phone Number Update

**Successful Transaction Posting:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>
<CUSTOMER_SERVICE_UPDATE _UserCode=""TESTUSER"" _Version=""10.0"">
<CUSTOMER_PHONE_NUMBER_CHANGES _AccountNumber=""20111200012575""
  _Address_Type=""H"" _EffectiveDate=""2014-02-27""
  _Phone=""2123456544"" _Relation_Type=""PRIM"" _Permission_To_Call_IND=""Y">
<RESULT _Id=""24145""
  _Result="" - ***** Transaction Posting Successful *****/>
</CUSTOMER_PHONE_NUMBER_CHANGES>
</CUSTOMER_SERVICE_UPDATE>

```

**Un-successful Transaction Posting:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>

<CUSTOMER_SERVICE_UPDATE _UserCode=""TESTUSER" _Version=""10.0">

  <CUSTOMER_PHONE_NUMBER_CHANGES _AccountNumber=""2011120001257"

    _Address_Type=""H"

    _EffectiveDate=""2014-03-03"

    _Phone=""2123456544" _Relation_Type=""PRIM" _Permission_To_Call_IND=""Y">

<RESULT _Result=""Unable' process="" transaction="" due="" to="" unknown=""

error.=""/>

  </CUSTOMER_PHONE_NUMBER_CHANGES>

</CUSTOMER_SERVICE_UPDATE>

```

iv. ACH Maintenance

**Successful Transaction Posting:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>

<CUSTOMER_SERVICE_UPDATE _UserCode=""TESTUSER" _Version=""10.0">

  <ACCOUNT_ACH_MAINTENANCE _AccountNumber=""20131200050052"

    _BatchTxn_Indicator=""N" _EffectiveDate=""2014-04-11"

    _PaymentAmount=""7587.76" _PaymentDay=""24"

    _ReferenceNumber=""20140618009139">

<RESULT _Id=""17295" _Result=""POSTED"

  _Result_Details="" - ***** Transaction Posting Successful *****/>

  </ACCOUNT_ACH_MAINTENANCE>

</CUSTOMER_SERVICE_UPDATE>

```

**Un-successful Transaction Posting:**

```

<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <ACCOUNT_ACH_MAINTENANCE _AccountNumber="20131200050054"
    _BatchTxn_Indicator="N" _EffectiveDate="2014-04-11"
    _PaymentAmount="7587.76" _PaymentDay="24"
    _ReferenceNumber="20140618009139">
    <RESULT _Result="ERROR"
      _Result_Details="Unable to process transaction due to unknown error."/>
  </ACCOUNT_ACH_MAINTENANCE>
</CUSTOMER_SERVICE_UPDATE>

```

v. New ACH

**Successful Transaction Posting:** A successful posting will generate a transaction reference number, which can later be used to maintain the add ACH.

```

<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<ACCOUNT_ACH_NEW _ACHFee="12.24" _ACHFee_Indicator="Y"
  _AccountNumber="20120200010421"
  _BankAccountNumber="4245548449" _BankAccountType="C"
  _BankName="BOFA" _BankRoutingNumber="332931233"
  _DefaultIndicator="Y" _EffectiveDate="2014-04-23"
  _EndDate="2016-04-23" _FrequencyCode="M"
  _PaymentAmount="332.33" _PaymentAmountExcess="19.97"
  _PaymentDay="25" _StartDate="2014-04-23"
  _StatusCode="ACTIVE">
<RESULT _Id="18290" _Result="POSTED"
  _Result_Details=" - ***** Transaction Posting Successful ***** Reference - #:20140423011032"/>
</ACCOUNT_ACH_NEW>

```



</CUSTOMER\_SERVICE\_UPDATE>

**Un-successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <ACCOUNT_ACH_NEW _ACHFee="12.24" _ACHFee_Indicator="Y"
    _AccountNumber="20120200010421"
    _BankAccountNumber="4445544449" _BankAccountType="C"
    _BankName="ABC" _BankRoutingNumber="333331233"
    _DefaultIndicator="Y" _EffectiveDate="2014-04-22"
    _EndDate="2015-04-16" _FrequencyCode="M"
    _PaymentAmount="332.33" _PaymentAmountExcess="19.97"
    _PaymentDay="25" _StartDate="2014-04-22"
    _StatusCode="INACTIVE">
  <RESULT _Id="18283" _Result="ERROR"
    _Result_Details="Unable to process transaction due to unknown error"/>
  </ACCOUNT_ACH_NEW>
</CUSTOMER_SERVICE_UPDATE>
```

vi. One Time ACH

**Successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
<ACCOUNT_ONETIME_ACH_PAYMENT _ACHFee_Indicator="N"
  _AccountNumber="20120100010026"
  _BankAccountNumber="0985554321"
  _BankAccountType="C" _BankName="JPMC"
```

```

_BankRoutingNumber="900654321"
_BatchTxn_Indicator="N" _DebitDate="2014-04-30"
_EffectiveDate="2014-04-21"
_FullNameOnAccount="JOHN DOE"
_PaymentAmount="429">
<RESULT _Id="18237" _Result="POSTED"
_Result_Details=" - ***** Transaction Posting Successful ***** Reference - #:20140430011027"/>
</ACCOUNT_ONETIME_ACH_PAYMENT>
</CUSTOMER_SERVICE_UPDATE>

```

**Un-successful Transaction Posting:**

```

<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <ACCOUNT_ONETIME_ACH_PAYMENT _ACHFee_Indicator="Y"
_AccountNumber="20131200050052"
_BankAccountNumber="7777111222"
_BankAccountType="C" _BankName="BOFA"
_BankRoutingNumber="777711222"
_BatchTxn_Indicator="N" _DebitDate="2014-01-24"
_EffectiveDate="2014-04-21" _Fee="122"
_FullNameOnAccount="JOHN DOE"
_PaymentAmount="1430">
<RESULT _Id="18232" _Result="ERROR"
_Result_Details="Unable to process transaction due to unknown error"/>
  </ACCOUNT_ONETIME_ACH_PAYMENT>
</CUSTOMER_SERVICE_UPDATE>

```

vii. Stop All ACH

**Successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ALL_ACH_MAINTENANCE _AccountNumber="20131200050052"
    _EffectiveDate="2014-04-22">
    <RESULT _Id="18252" _Result="POSTED"
      _Result_Details=" - ***** Transaction Posting Successful *****"/>
  </STOP_ALL_ACH_MAINTENANCE>
</CUSTOMER_SERVICE_UPDATE>
```

**Un-successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ALL_ACH_MAINTENANCE _AccountNumber="20120200010421"
    _EffectiveDate="2014-04-22">
    <RESULT _Id="18251" _Result="ERROR"
      _Result_Details="Unable to process transaction due to unknown error"/>
  </STOP_ALL_ACH_MAINTENANCE>
</CUSTOMER_SERVICE_UPDATE>
```

viii. Stop ACH

**Successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ACH_MAINTENANCE _AccountNumber="20120100010092"
    _EffectiveDate="2014-04-23" _ReferenceNumber="20140618009139">
    <RESULT _Id="18303" _Result="POSTED"
```

```
_Result_Details=" - ***** Transaction Posting Successful *****"/>
</STOP_ACH_MAINTENANCE>
</CUSTOMER_SERVICE_UPDATE>
```

**Un-successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <STOP_ACH_MAINTENANCE _AccountNumber="20120100010092"
    _EffectiveDate="2014-04-23" _ReferenceNumber="20140618009139">
    <RESULT _Result="ERROR"
      _Result_Details="Unable to process transaction due to unknown error."/>
  </STOP_ACH_MAINTENANCE>
</CUSTOMER_SERVICE_UPDATE>
```

- ix. Add Telecom Details

**Successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSR" _Version="10.0">
  <CUSTOMER_NEW_TELECOM _AccountNumber="2012010133" _BatchTxn_Indicator="N"
    _Current="Y" _EffectiveDate="2014-04-30" _EndPeriod="PM"
    _EndTime="0920" _Phone="6092306666"
    _Phone_Extension="909" _Relation_Type="SPOUSE"
    _StartPeriod="AM" _StartTime="0115"
    _TimeZone="US/PACIFIC" _Type="C" _Permission_To_Call_IND="Y">
    <RESULT _Id="19306" _Result="POSTED"
      _Result_Details=" - ***** Transaction Posting Successful *****"/>
  </CUSTOMER_NEW_TELECOM>
```

</CUSTOMER\_SERVICE\_UPDATE>

**Un-successful Transaction Posting:**

```
<?xml version="1.0" encoding="UTF-8"?>
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <CUSTOMER_NEW_TELECOM _AccountNumber="201011097" _BatchTxn_Indicator="N"
    _Current="N" _EffectiveDate="2014-04-30" _EndPeriod="PM"
    _EndTime="0920" _Phone="6092306666"
    _Phone_Extension="909" _Relation_Type="PRIM"
    _StartPeriod="AM" _StartTime="0911"
    _TimeZone="US/PACIFIC" _Type="C" _Permission_To_Call_IND="Y">
<RESULT _Id="19260" _Result="ERROR"
  _Result_Details="Unable to process transaction due to unknown error."/>
</CUSTOMER_NEW_TELECOM>
</CUSTOMER_SERVICE_UPDATE>
```

- x. Maintain Telecom Details

**Successful Transaction Posting:**

```
<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSER" _Version="10.0">
  <CUSTOMER_TELECOM_MAINTENANCE _AccountNumber="2012010026"
    _BatchTxn_Indicator="N" _Current="Y"
    _EffectiveDate="2014-04-30" _EndPeriod="PM"
    _EndTime="0800" _Phone="123006789"
    _Phone_Extension="905" _Relation_Type="PRIM"
    _StartPeriod="AM" _StartTime="0800"
    _TimeZone="US/PACIFIC" _Type="C" _Permission_To_Call_IND="Y">
<RESULT _Id="19256" _Result="POSTED"
  _Result_Details=" - ***** Transaction Posting Successful *****"/>
```

</CUSTOMER\_TELECOM\_MAINTENANCE>

</CUSTOMER\_SERVICE\_UPDATE>

**Un-successful Transaction Posting:**

<CUSTOMER\_SERVICE\_UPDATE \_UserCode="TESTUSR" \_Version="10.0">

<CUSTOMER\_TELECOM\_MAINTENANCE \_AccountNumber="20121097"

\_BatchTxn\_Indicator="N" \_Current="Y"

\_EffectiveDate="2014-04-30" \_EndPeriod="PM"

\_EndTime="0900" \_Phone="918066593921"

\_Phone\_Extension="905" \_Relation\_Type="PRIM"

\_StartPeriod="AM" \_StartTime="0700"

\_TimeZone="US/PACIFIC" \_Type="C" \_Permission\_To\_Call\_IND="Y">

<RESULT \_Id="19258" \_Result="ERROR"

\_Result\_Details="Unable to process transaction due to unknown error"/>

</CUSTOMER\_TELECOM\_MAINTENANCE>

</CUSTOMER\_SERVICE\_UPDATE>

- xi. Maintain Employment Details

**Successful Transaction Posting:**

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER\_SERVICE\_UPDATE \_UserCode="TESTUSR" \_Version="10.0">

<CUSTOMER\_EMP\_DETAILS\_MAINTENANCE \_AccountNumber="20120258"

\_Address\_Line\_1="Ravens Crest"

\_Address\_Line\_2="DRIVE" \_Address\_Nbr="3107"

\_BatchTxn\_Indicator="N" \_City="Plainsboro"

\_Comment="Test Update" \_Country="US"

\_Current="Y" \_Department="MARKETING"

\_EffectiveDate="2014-04-30"

\_Occupation="MGR" \_Phone="6436781233"

```

    _Phone_Extension="203" _Relation_Type="PRIM"

    _State="NJ" _Title="SENIOR DIRECTOR"

    _Type="F" _Zip="08536" _Zip_Extension="270" _Permission_To_Call_IND="Y">
<RESULT _Id="19291" _Result="POSTED"

    _Result_Details=" - ***** Transaction Posting Successful *****"/>

    </CUSTOMER_EMP_DETAILS_MAINTENANCE>

</CUSTOMER_SERVICE_UPDATE>

```

**Un-successful Transaction Posting:**

```

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER_SERVICE_UPDATE _UserCode="TESTUSR" _Version="10.0">

    <CUSTOMER_EMP_DETAILS_MAINTENANCE _AccountNumber="20120263"

        _Address_Line_1="Ravens Crest"

        _Address_Line_2="DRIVE" _Address_Nbr="3107"

        _BatchTxn_Indicator="N" _City="Plainsboro"

        _Comment="Test Update" _Country="US"

        _Current="Y" _Department="MARKETING"

        _EffectiveDate="2014-04-30"

        _Occupation="MGR" _Phone="6436781233"

        _Phone_Extension="203" _Relation_Type="PRIM"

        _State="NJ" _Title="SENIOR DIRECTOR"

        _Type="F" _Zip="08536" _Zip_Extension="270" _Permission_To_Call_IND="Y">
<RESULT _Id="19292" _Result="ERROR"

    _Result_Details="Unable to process transaction due to unknown error"/>

    </CUSTOMER_EMP_DETAILS_MAINTENANCE>

</CUSTOMER_SERVICE_UPDATE>

```

### 3.3 **CSSAccountPayOffQuoteRequestService**

**Successful pay off quote:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>

<CUSTOMER_SERVICE _UserCode=""TESTUSER"" _Version=""10.0">

  <ACCOUNT_PAYOFF_QUOTE _AccountNumber=""20111200012575""

    _AssessFee_Indicator=""N"" _Comment=""Updating'

    Payoff="" Quote=""

    _EffectiveDate=""2014-01-28T11:53:15""

    _LetterPrint_Indicator=""N""

    _ValidUpToDate=""2014-11-20T11:53:15">

    <RESULT _Amount=""142462.03"" _Id=""24162"" _Result=""POSTED""

    _Result_Details="" ADVANCE="" PRINCIPAL=""USD" NSF=""USD"

    EXTENSION=""USD" FEE="" PHONE="" PAY=""USD" BANKRUPTCY=""USD"

    REPOSESSION="" FORECLOSURE=""USD" EXPENSE="" SERVICING=""USD"

    FUTURE="" LATE="" CHARGE=""USD" PREPAYMENT="" PENALTY=""USD"

    ACCRUED=""USD" PAYOFF=""USD" INTEREST="" PER="" DIEM=""USD"

    Transaction="" Posting="" Successful=""

    _ValidUpToDate=""2014-11-20T00:00:00"/>

  </ACCOUNT_PAYOFF_QUOTE>

</CUSTOMER_SERVICE>

```

**When Pay off quote effective date is in future:**

```

<?xml version=""1.0"" encoding=""UTF-8""?>

<CUSTOMER_SERVICE _UserCode=""TESTUSER"" _Version=""10.0">

<ACCOUNT_PAYOFF_QUOTE _AccountNumber=""20120100010034""

  _AssessFee_Indicator=""N"

  _Comment=""Updating Payoff Quote"

  _EffectiveDate=""2014-11-09T11:53:15""

  _LetterPrint_Indicator=""N"

  _ValidUpToDate=""2014-11-20T11:53:15">

```



<RESULT \_Amount="0.00" \_Id="12017" \_Result="OPEN"

\_Result\_Details=" - Txn Dt 11/09/2014 greater than Process Dt 02/26/2014 - Transaction Posting will occur on Txn Dt"

\_ValidUpToDate="2014-11-20T00:00:00"/>

</ACCOUNT\_PAYOFF\_QUOTE>

</CUSTOMER\_SERVICE>

**When Pay off quote effective date was in past:**

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER\_SERVICE \_UserCode="EVENT" \_Version="10.0">

<ACCOUNT\_PAYOFF\_QUOTE \_AccountNumber="20111200012575" \_AssessFee\_Indicator="N"

\_Comment="Updating Payoff Quote"

\_EffectiveDate="2014-01-28T11:53:15"

\_LetterPrint\_Indicator="N"

\_ValidUpToDate="2014-11-20T11:53:15">

<RESULT \_Amount="142462.03" \_Id="24162" \_Result="POSTED"

\_Result\_Details=" - ADVANCE / PRINCIPAL = USD 100,000.00 - INTEREST = USD 13.86 - FEE LATE CHARGE = USD 380.00 - FEE NSF = USD 0.00 - FEE EXTENSION= USD 0.00 - FEE PHONE PAY= USD 0.00 - EXPENSE BANKRUPTCY= USD 0.00 - EXPENSE REPOSESSION/FORECLOSURE = USD 0.00 - EXPENSE SERVICING= USD 0.00 - FUTURE LATE CHARGE= USD 300.00 - PREPAYMENT PENALTY= USD 100.00 - INTEREST ACCRUED = USD 41,668.17 - PAYOFF= USD 142,462.03 - INTEREST PER DIEM= USD 38.83 - \*\*\*\*\* Transaction Posting Successful \*\*\*\*\*"

\_ValidUpToDate="2014-11-20T00:00:00"/>

</ACCOUNT\_PAYOFF\_QUOTE>

</CUSTOMER\_SERVICE>

**Un-successful payoff quote :**

<?xml version="1.0" encoding="UTF-8"?>

<CUSTOMER\_SERVICE \_UserCode="TESTUSER" \_Version="10.0">

<ACCOUNT\_PAYOFF\_QUOTE \_AccountNumber="91200012575" \_AssessFee\_Indicator="N"

\_Comment="Updating Payoff Quote"

```
_EffectiveDate="2014-02-28T11:53:15"  
_LetterPrint_Indicator="N"  
_ValidUpToDate="2014-11-20T11:53:15">  
<RESULT _Result="ERROR"  
_Result_Details="Unable to process transaction due to unknown error."/>  
</ACCOUNT_PAYOFF_QUOTE>  
</CUSTOMER_SERVICE>
```

### 3.4 **CSSAccountDetailsRequestService:**

The response for this service can have multiple/repeating tags. In the response below ***CUSTOMER\_DETAILS, TRANSACTION\_HISTORY, ADDRESS\_DETAILS, TELECOM\_DETAILS , ACH\_DETAILS and ACCOUNT\_BALANCE*** tags are repeating.

```
<?xml version="1.0" encoding="UTF-8"?>  
<CUSTOMER_SERVICE>  
_ACCOUNT_DETAILS _AccContractDt="2012-01-10 00:00:00.0" _AccDueDlqAmt="0"  
_AccDueDt1="2013-12-10 00:00:00.0" _AccDueNsfAmt="0"  
_AccDueTotalAmt="0" _AccFuturePayoffAmt="0"  
_AccFuturePayoffDt="2014-03-30 00:00:00.0"  
_AccMaturityDt="2015-01-10 00:00:00.0"  
_AccMaturityDtCur="2015-01-10 00:00:00.0"  
_Account_Number="20120100010042"  
_ActiveDate="2013-12-31 00:00:00.0" _Bankruptcy_Indicator="N"  
_BillMethodCode="LV" _CurrentPaymentAmount="449.98"  
_CurrentPayoffAmount="0.00" _DownPaymentAmount="0"  
_DueDateNext="2014-01-10 00:00:00.0" _FinancedAmount="15000"  
_FinanceCharge="1199.28"  
_FirstPaymentDate="2012-02-10 00:00:00.0"
```

\_LastPaymentDate="2014-03-20T00:00:00" \_LateChargeAmount="0"  
\_LoanBalance="0.00" \_NextPaymentDueAmount="449.98"  
\_NextPaymentDueDate="2013-12-10T00:00:00" \_OtherDueAmount="0"  
\_PaymentAmount="449.98" \_PaymentAmountLast="100"  
\_Product="LOAN-VE" \_Rate="4.9900"  
\_Repo\_Foreclosure\_Indicator="N"  
\_SalePremiumPercent="16199.28" \_Term="36"  
\_TotalPayments="16199.28">  
<CUSTOMER\_DETAILS \_Birth\_Date="1975-02-13T00:00:00" \_Class\_Type="UNDEFINED"  
\_CustomerId="1007" \_Driving\_License\_Number="C-12090-12378"  
\_Driving\_License\_StateCode="GA"  
\_Email\_Address="LOUISEY@GROUP.com" \_EthnicCode="ETH\_04"  
\_FirstName="RUSSELWEQ" \_GenderCode="U" \_LanguageCode="E"  
\_LastName="TIFFANY" \_Marital\_Status="MARRIED"  
\_Middle\_Name="A" \_Mother\_Maiden\_Name="SMITHSON"  
\_Number\_Of\_Dependents="9" \_Relation\_Type="PRIM"  
\_SSN="1051" \_Skip\_Indicator="N"  
\_Stop\_Correspondence\_Indicator="N">  
<ADDRESS\_DETAILS \_Address1="8844 DANBURY LN " \_AddressType="H"  
\_City="AGANA" \_Country="US" \_Current\_Indicator="Y"  
\_Mailing\_Indicator="Y" \_Number="8844" \_Permission\_To\_Call\_Ind="Y" \_Phone="9783333211"  
\_Postal\_Type="NM" \_State="GA" \_Street\_Name="DANBURY LN"  
\_Zip="96928"/>  
<TELECOM\_DETAILS \_Tel\_Best\_Call\_End\_Time="720"  
\_Tel\_Best\_Call\_Start\_Time="700"  
\_Tel\_Call\_End\_Time\_Period\_Cd="PM"  
\_Tel\_Call\_Start\_Time\_Period\_Cd="AM" \_Tel\_Current\_Ind="N" \_Permission\_To\_Call\_Ind="Y"  
\_Tel\_Phone="918066593921" \_Tel\_Phone\_Extn="0"

```
_Tel_Telecom_Type_Cd="C" _Tel_Time_Zone_Cd="US/PACIFIC"/>
<TELECOM_DETAILS _Tel_Best_Call_End_Time="720"
_Tel_Best_Call_Start_Time="911"
_Tel_Call_End_Time_Period_Cd="PM"
_Tel_Call_Start_Time_Period_Cd="AM" _Tel_Current_Ind="N" _Permission_To_Call_Ind="Y"
_Tel_Phone="6092306666" _Tel_Phone_Extn="909"
_Tel_Telecom_Type_Cd="C" _Tel_Time_Zone_Cd="US/PACIFIC"/>
<TELECOM_DETAILS _Tel_Current_Ind="Y" _Permission_To_Call_Ind="Y" _Tel_Phone="1234561008"
_Tel_Phone_Extn="43" _Tel_Telecom_Type_Cd="P"
_Tel_Time_Zone_Cd="US/EASTERN"/>
</CUSTOMER_DETAILS>
<CUSTOMER_DETAILS _Birth_Date="1973-03-18T00:00:00" _Class_Type="UNDEFINED"
_CustomerId="1008" _Driving_License_Number="C-12090-16123"
_Driving_License_StateCode="GA"
_Email_Address="MARTYY@PRTESTUSER.com"
_EthnicCode="ETH_04" _FirstName="GRACE XGT"
_GenderCode="U" _LanguageCode="E" _LastName="TIFFANY"
_Marital_Status="MARRIED" _Middle_Name="B"
_Mother_Maiden_Name="FANGS" _Number_Of_Dependents="9"
_Relation_Type="SPOUSE" _SSN="1052" _Skip_Indicator="N"
_Stop_Correspondence_Indicator="N">
<ADDRESS_DETAILS _Address1="8844 DANBURY LN " _AddressType="H"
_City="AGANA" _Country="US" _Current_Indicator="Y"
_Mailing_Indicator="Y" _Number="8844" _Phone="9783333211"
_Postal_Type="NM" _State="GA" _Street_Name="DANBURY LN"
_Zip="96928"/>
<TELECOM_DETAILS _Tel_Best_Call_End_Time="630"
_Tel_Best_Call_Start_Time="915"
```

```

_Tel_Call_End_Time_Period_Cd="PM"

_Tel_Call_Start_Time_Period_Cd="AM" _Tel_Current_Ind="Y"

_Tel_Phone="9900046679" _Tel_Phone_Extn="909"

_Tel_Telecom_Type_Cd="C" _Tel_Time_Zone_Cd="US/PACIFIC"/>

<TELECOM_DETAILS _Tel_Current_Ind="Y" _Tel_Phone="987654342"

_Tel_Phone_Extn="44" _Tel_Telecom_Type_Cd="F"

_Tel_Time_Zone_Cd="US/EASTERN"/>

</CUSTOMER_DETAILS>

<TRANSACTION_HISTORY _Advance="0.00" _Amount="50.00" _Code="PAYMENT"

_Date="2014-02-13T00:00:00" _Description="PAYMENT"

_Escrow="0.00" _Expenses="0.00" _Fees="50.00"

_GroupSubTypeCode="CREDIT_CARD" _GroupTypeCode="PAY"

_Interest="0.00" _ModeCode="C" _Other="0.00"

_Reference="TEST1">

<PAYMENT_ALLOCATIONS _Amount="50.00" _Code="FLC_CHGOFF"

_Description="CHGOFF LATE CHARGE"/>

</TRANSACTION_HISTORY>

<TRANSACTION_HISTORY _Advance="0.00" _Amount="100.00" _Code="PAYMENT"

_Date="2014-03-20T00:00:00" _Description="PAYMENT"

_Escrow="0.00" _Expenses="0.00" _Fees="0.00"

_GroupSubTypeCode="PAY_MANUAL" _GroupTypeCode="PAY"

_Interest="100.00" _ModeCode="P" _Other="0.00"

_Reference="PAYMENT FOR VEHICLE LOAN">

<PAYMENT_ALLOCATIONS _Amount="100.00" _Code="INT_CHGOFF"

_Description="CHGOFF INTEREST"/>

</TRANSACTION_HISTORY>

<TRANSACTION_HISTORY _Advance="0.00" _Amount="100.00" _Code="PAYMENT"

_Date="2014-02-18T00:00:00" _Description="PAYMENT"

```

```

_Escrow="0.00" _Expenses="0.00" _Fees="100.00"

_GroupSubTypeCode="PAY_MANUAL" _GroupTypeCode="PAY"

_Interest="0.00" _ModeCode="C" _Other="0.00">

<PAYMENT_ALLOCATIONS _Amount="100.00" _Code="FLC_CHGOFF"

_Description="CHGOFF LATE CHARGE"/>

</TRANSACTION_HISTORY>

<TRANSACTION_HISTORY _Advance="0.00" _Amount="200.00" _Code="PAYMENT"

_Date="2014-01-17T00:00:00" _Description="PAYMENT"

_Escrow="0.00" _Expenses="0.00" _Fees="127.50"

_GroupSubTypeCode="PAY_MANUAL" _GroupTypeCode="PAY"

_Interest="72.50" _ModeCode="C" _Other="0.00">

<PAYMENT_ALLOCATIONS _Amount="127.50" _Code="FLC_CHGOFF"

_Description="CHGOFF LATE CHARGE"/>

<PAYMENT_ALLOCATIONS _Amount="72.50" _Code="INT_CHGOFF"

_Description="CHGOFF INTEREST"/>

</TRANSACTION_HISTORY>

<TRANSACTION_HISTORY _Advance="0.00" _Amount="240.00" _Code="PAYMENT"

_Date="2014-01-16T00:00:00" _Description="PAYMENT"

_Escrow="0.00" _Expenses="0.00" _Fees="240.00"

_GroupSubTypeCode="PDC_PAYMENTS" _GroupTypeCode="PAY"

_Interest="0.00" _ModeCode="C" _Other="0.00"

_Reference="TEST 2">

<PAYMENT_ALLOCATIONS _Amount="240.00" _Code="FLC_CHGOFF"

_Description="CHGOFF LATE CHARGE"/>

</TRANSACTION_HISTORY>

<COLLATERAL_DETAILS _Address1="STONEY ROAD" _Address_Number="1011"

_Body="2DR" _City="BURNSVILLE" _Class="USED"

_Country="US" _Id="2B4GP45G1XR378252" _Make="CHEVROLET"

```

```
_Model="MONTE CARLO" _Primary_Indicator="Y"
_Registration_Number="UNDEFINED" _State="MN"
_StatusCode="ACTIVE" _Sub_Type="CAR" _Type="VEHICLE"
_Year="2012" _Zip="55722" _Zip_Extension="1001">
<VALUATION_DETAILS _Current_Indicator="Y" _Retail_Value="0.00"
_SourceCode="INV" _Usage="0" _Usage_Value="0.00"
_Valuation_Date="2012-01-10T00:00:00"
_Wholesale_Value="0.00"/>
</COLLATERAL_DETAILS>
<ACH_DETAILS _ACHFee="50.24" _ACHFee_Indicator="Y" _AccountNumber="92478747345"
_AccountType="S"
_Amount="400.33" _BankName="CITYBANK" _BankRoutingNumber="800783476"
_DebitDate="4000-12-31T00:00:00" _DefaultIndicator="Y"
_EndDate="2015-04-16T00:00:00"
_Frequency="M" _NextProcessDate="1800-01-01T00:00:00"
_PaymentAmountExcess="20.97" _PaymentDay="25"
_ReferenceNumber="20140618009140" _StartDate="2014-06-18T00:00:00"/>
<ACH_DETAILS _ACHFee="30.24" _ACHFee_Indicator="Y" _AccountNumber="1238747345"
_AccountType="S"
_Amount="380.33" _BankName="JPM" _BankRoutingNumber="710113476"
_DebitDate="4000-12-31T00:00:00" _DefaultIndicator="Y"
_EndDate="2015-04-16T00:00:00"
_Frequency="M" _NextProcessDate="1800-01-01T00:00:00"
_PaymentAmountExcess="22.83" _PaymentDay="15"
_ReferenceNumber="20140718009140" _StartDate="2014-05-18T00:00:00"/>
<ONETIME_ACH_DETAILS _DebitDate="4000-12-31T00:00:00"/>
<DEALER_DETAILS _Address1="623 COBB PARKWAY NORTH" _City="MARIETTA"
_ContactName="JACK" _Country="US" _DealerId="UNDEFINED"
_DealerTaxId="458766000"
```

```

_Dealer_Name="ADVANCE LEASING AND RENT A CAR TEST MORE THAN 80 CHARACTER CHECK
DDDDDDDDDDDDDDDD"

_Fax="7704246360" _Lender_DealerId="GA-00004"

_Phone="7704246450" _State="GA" _StatusCode="ACTIVE"

_Zip="30062"/>

<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="ADV"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="EBKR"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="ERPO"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="ESVC"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FDLY"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FEXT"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FLC"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FNSF"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FPHP"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FPMF"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="FPPP"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0"
_AbITxnTypeCd="FRENTAL_FEE"/>
<ACCOUNT_BALANCE _AbIBalPdYtd="0" _AbIBalPdYtd1="0" _AbITxnTypeCd="INT"/>

</ACCOUNT_DETAILS>

</CUSTOMER_SERVICE>

```

### 3.5 LOSApplicationAccountWebService

In response we get the funded account number.

i) response for loan application:-

```

<?xmlversion='1.0'encoding='UTF-8'
standalone='yes'?><CreateAccountResponse><AccountNumber>20160100015064</Ac
countNumber><resultcode>SUCCESS</resultcode></CreateAccountResponse></retur
n>

```



ii) response for lease application:-

```
<?xmlversion='1.0'encoding='UTF-8'  
standalone='yes'?><CreateAccountResponse><AccountNumber>20160100015527</Ac  
countNumber><resultcode>SUCCESS</resultcode></CreateAccountResponse>
```

iii) response for line application:-

```
<?xmlversion='1.0'encoding='UTF-8'  
standalone='yes'?><CreateAccountResponse><AccountNumber>20160100015543</Ac  
countNumber><resultcode>SUCCESS</resultcode></CreateAccountResponse>
```

## 4. Errors/Exceptions:

### 4.1 CSSAccountSearchRequestService

Scenario	Response	Exception
Incorrect Input or Details not available	<?xml version="1.0" encoding="UTF-8"?><CUSTOMER_SERVICE><CUSTOMER_SEARCH_SUMMARY/></CUSTOMER_SERVICE>	No Exception
Service down	NULL	No Exception
Configuration Error(Missing Data Source)	NULL	javax.naming.NameNotFoundException
Configuration Error(Missing /INVALID package)	NULL	java.sql.SQLException

### 4.2 CSSPostTransactionsRequestService

Scenario	Response (Please refer the Unsuccessful Transaction Posting under Sample Output for response payload details. These messages are just part of the response)	Exception
Invalid Input or Details not available	Unable to process transaction due to unknown error	No Exception
Service down	NULL	No Exception
Missing required Element in Input	NULL	java.lang.RuntimeException
Configuration Error(Missing /INVALID package)	Unable to process transaction due to unknown error	java.sql.SQLException
Configuration Error(Missing Data Source)	Unable to process transaction due to unknown error	javax.naming.NameNotFoundException
When the value for the field referring lookup set-up is not available	Invalid Lookup Code / (SYS-SYS-SYS-TNM-000054) - Transaction Posting	No Exception

	Failed	
When _Fee value is for One Time ACH is less the defined value as per the defined rules	As per defined rules minimum fee should be < > - (SYS-SYS-SYS-TNM-000429) - Transaction Posting Failed	No Exception
When trying to update a record for an invalid account and relation type combination	Invalid Customer Id (SYS-SYS-SYS-TNM-000444) - Transaction Posting Failed	No Exception
When the transaction(One Time ACH) debit date is less than the process date(defined as CMN GL date)	Phone Pay debit date cannot be less than GL post date - (SYS-SYS-SYS-TNM-000462) - Transaction Posting Failed	No Exception
When trying to post transaction for account with status other than "ACTIVE" and "CHGOFF"	Transaction <Transaction> not allowed for status <Status> - (SYS-SYS-SYS-TNM-000471) - Transaction Posting Failed	No Exception
When the transaction date(effective date) is less than the process date(defined as CMN GL date)	Txn Dt MM/DD/YYYY less than Process Dt MM/DD/YYYY- (SYS-SYS-SYS-TNM-000473) - Transaction Posting Failed	No Exception
When stopping an ACH transaction with an in-correct <b>reference number</b> .	The Ref # entered do not match with any active ACH for this - account (SYS-SYS-SYS-TNM-001432) - Transaction Posting Failed	No Exception
When trying to stop default ACH transaction while other ACH transactions for the same account are Active.  <b>Note that the Default ACH should be the last transaction to be Stopped.</b>	Cannot stop default ACH if there are other Active ACH - (SYS-SYS-SYS-TNM-001433) - Transaction Posting Failed	No Exception
When trying to add a second default ACH transaction	A default ACH already exists (SYS-SYS-SYS-TNM-001465) - Transaction Posting Failed	No Exception
When the transaction(New ACH) start date is less than the process date(defined as CMN GL date)	ACH start date cannot be less than system date - (SYS-SYS-SYS-TNM-001470) - Transaction Posting Failed	No Exception
When the transaction is posted with Invalid start time	Invalid Start Time (SYS-SYS-SYS-UNDEFINED-001530) - Transaction Posting Failed	No Exception
When the transaction is posted with	Invalid End Time (SYS-SYS-SYS-	No Exception

Invalid end time	UNDEFINED-001531) - Transaction Posting Failed	
When trying to update a telecom record for an invalid Type and Indicator combination	No Telecom data found for the given Type and Indicator - (SYS-SYS-SYS-TNM-001615) - Transaction Posting Failed	No Exception
When trying to update a employment record for an invalid Type and Indicator combination	No Employment data found for the given Type and Indicator - (SYS-SYS-SYS-TNM-001616) - Transaction Posting Failed	No Exception

### 4.3 CSSAccountPayOffQuoteRequestService

Scenario	Response	Exception
Incorrect Input or Details not available	<?xml version="1.0" encoding="UTF-8"?><CUSTOMER_SERVICE _UserCode="TESTUSER" _Version="10.0"><ACCOUNT_PAYOFF_QUOTE _AccountNumber="2011120001257" _AssessFee_Indicator="N" _Comment="Updating Payoff Quote" _EffectiveDate="2014-02-25T11:53:15" _LetterPrint_Indicator="N" _ValidUpToDate="2014-11-20T11:53:15"><RESULT _Result="ERROR" _Result_Details="Unable to process transaction due to unknown error."/></ACCOUNT_PAYOFF_QUOTE></CUSTOMER_SERVICE>	No Exception
Service down	NULL	No Exception
Validation issue	NULL	javax.xml.transform.Transformer
Missing required element in input	NULL	javax.xml.transform.Transformer
Configuration Error(Missing /INVALID package)	<?xml version="1.0" encoding="UTF-8"?><CUSTOMER_SERVICE _UserCode="TESTUSER" _Version="10.0"><ACCOUNT_PAYOFF_QUOTE _AccountNumber="20111200012575" _AssessFee_Indicator="N" _Comment="Updating Payoff Quote" _EffectiveDate="2014-02-25T11:53:15" _LetterPrint_Indicator="N" _ValidUpToDate="2014-11-20T11:53:15"><RESULT _Result="ERROR" _Result_Details="Unable to process transaction due to unknown error."/></ACCOUNT_PAYOFF_QUOTE></CUSTOMER_SERVICE>	java.sql.SQL Exception

	RVICE>	
Null Input	NULL	java.lang.Null PointerExcep tion
Configuration Error(Missing Data Source)	<?xml version="1.0" encoding="UTF- 8"?><CUSTOMER_SERVICE _UserCode="TESTUSER" _Version="10.0"><ACCOUNT_PAYOFF_QUOTE _AccountNumber="20111200012575" _AssessFee_Indicator="N" _Comment="Updating Payoff Quote" _EffectiveDate="2014-02-25T11:53:15" _LetterPrint_Indicator="N" _ValidUpToDate="2014-11- 20T11:53:15"><RESULT _Result="ERROR" _Result_Details="Unable to process transaction due to unknown error."/></ACCOUNT_PAYOFF_QUOTE></CUSTOMER_SE RVICE>	javax.naming .NameNotFo undException

#### 4.4 CSSAccountDetailsService

Scenario	Response	Exception
Invalid Input or Details not available	NULL	No Exception
Service down	NULL	No Exception
Configuration Error(Missing /INVALID package)	NULL	java.sql.SQLException
Configuration Error(Missing Data Source)	NULL	javax.naming.NameNotFound Exception

## 4.5 LOSApplicationAccountWebService

Scenario	Response	Exception
Invalid Input or Details not available	<pre> &lt;?xml version="1.0" encoding="UTF- 8"?&gt;&lt;env:Envelope xmlns:env="http://schemas .xmlsoap.org/soap/envelop e/"&gt; &lt;env:Header/&gt; &lt;env:Body&gt; &lt;m:createAccountRespon se xmlns:m="http://com.ofss.fl i.xws.acx.ApplicationAcco untServiceImpl/"&gt; &lt;return&gt;&lt;?xml version='1.0' encoding='UTF-8' standalone='yes'?&gt;&lt;Creat eAccountResponse&gt;&lt;Erro rResponse&gt;cvc-complex- type.2.4.a: Invalid content was found starting with element 'ApplicationDate'. One of '{APPLICATION_DATA}' is expected.&lt;/ErrorResponse &gt;&lt;/CreateAccountRespon se&gt;&lt;/return&gt; &lt;/m:createAccountRespon se&gt; &lt;/env:Body&gt; &lt;/env:Envelope&gt; </pre>	No Exception

Scenario	Response	Exception
Service down	<pre> &lt;?xml version="1.0" encoding="UTF- 8"?&gt;&lt;env:Envelope xmlns:env="http://schemas .xmlsoap.org/soap/envelop e/"&gt; &lt;env:Header/&gt; &lt;env:Body&gt; &lt;m:createAccountRespon se xmlns:m="http://com.ofss.fl i.xws.acx.ApplicationAcco untServiceImpl/"&gt; &lt;return&gt;&lt;?xml version='1.0' encoding='UTF-8' standalone='yes'?&gt;&lt;Creat eAccountResponse&gt;&lt;Erro rResponse&gt;Error occured while creating the account number. please check the logs&lt;/ErrorResponse&gt;&lt;/Cr eateAccountResponse&gt;&lt;/r eturn&gt; &lt;/m:createAccountRespon se&gt; &lt;/env:Body&gt; &lt;/env:Envelope&gt; </pre>	No Exception

Scenario	Response	Exception
Configuration Error(Missing /INVALID package)	<pre> : &lt;?xml version="1.0" encoding="UTF- 8"?&gt;&lt;env:Envelope xmlns:env="http://schemas .xmlsoap.org/soap/envelop e/"&gt; &lt;env:Header/&gt; &lt;env:Body&gt; &lt;m:createAccountRespon se xmlns:m="http://com.ofss.fl xws.acx.ApplicationAcco untServiceImpl/"&gt; &lt;return&gt;&lt;?xml version='1.0' encoding='UTF-8' standalone='yes'?&gt;&lt;Creat eAccountResponse&gt;&lt;Erro rResponse&gt;Error occured while creating the account number. please check the logs&lt;/ErrorResponse&gt;&lt;/Cr eateAccountResponse&gt;&lt;/r eturn&gt; &lt;/m:createAccountRespon se&gt; &lt;/env:Body&gt; &lt;/env:Envelope&gt; </pre>	No Exception



Scenario	Response	Exception
Validation issue	<pre> &lt;?xml version="1.0" encoding="UTF- 8"?&gt;&lt;env:Envelope xmlns:env="http://schemas .xmlsoap.org/soap/envelop e/"&gt; &lt;env:Header/&gt; &lt;env:Body&gt; &lt;m:createAccountRespon se xmlns:m="http://com.ofss.fl i.xws.acx.ApplicationAcco untServiceImpl/"&gt; &lt;return&gt;&lt;?xml version='1.0' encoding='UTF-8' standalone='yes'?&gt;&lt;Creat eAccountResponse&gt;&lt;Erro rResponses&gt;&lt;errorDate&gt;2 016-03-16 16:37:36.0&lt;/errorDate&gt;&lt;er rorEdit&gt;&lt;/errorEdit&gt;&lt;Error Comment&gt;Product Options Not Available&lt;/ErrorComm ent&gt;&lt;EditResultCode&gt;&lt;/Edit ResultCode&gt;&lt;ValueExpec ted&gt;&lt;/ValueExpected&gt;&lt;Ac tualValue&gt;&lt;/ActualValue&gt; &lt;/ErrorResponses&gt;&lt;/Crea teAccountResponse&gt;&lt;/ret urn&gt; &lt;/m:createAccountRespon se&gt; &lt;/env:Body&gt; &lt;/env:Envelope&gt; </pre>	No Exception

Scenario	Response	Exception
Configuration Error(Missing Data Source)	<pre> : &lt;?xml version="1.0" encoding="UTF- 8"?&gt;&lt;env:Envelope xmlns:env="http://schemas .xmlsoap.org/soap/envelop e/"&gt; &lt;env:Header/&gt; &lt;env:Body&gt; &lt;m:createAccountRespon se xmlns:m="http://com.ofss.fl i.xws.acx.ApplicationAcco untServiceImpl/"&gt; &lt;return&gt;&lt;?xml version='1.0' encoding='UTF-8' standalone='yes'?&gt;&lt;Creat eAccountResponse&gt;&lt;Erro rResponse&gt;Error occured while creating the account number. please check the logs&lt;/ErrorResponse&gt;&lt;/Cr eateAccountResponse&gt;&lt;/r eturn&gt; &lt;/m:createAccountRespon se&gt; &lt;/env:Body&gt; &lt;/env:Envelope&gt; </pre>	No Exception

---

## 5. Revision History

### 5.1 Changes for web services Patch released on June 27, 2014

**Requirements:**

1. The transaction “Phone Number Update” will be referred as “Address Phone Number Update” under CSSPostTransactionsRequestService.

Section	Segment	Field/Value	Action	Description of Change
1.3	CSSPostTransactionsRequestService	N/A	Modified	Modified the name of “Phone Number Update” to “Address Phone Number Update”.
2.b.iii	CSSPostTransactionsRequestService	N/A	Modified	Modified the name of “Phone Number Update” to “Address Phone Number Update”.
3.b.iii	CSSPostTransactionsRequestService	N/A	Modified	Modified the name of “Phone Number Update” to “Address Phone Number Update”.

### 5.2 Changes for web services Patch released on June 17, 2014

**Requirements:**

1. The reference number input has been converted into mandatory field instead of the combination of Bank Account Number, Bank Name, Bank Routing Number and Bank Account Type. The ACH Maintenance and Stop ACH transactions of CSSPostTransactionsRequestService service will post based on Reference Number. The fields -- Bank Account Number, Bank Name, Bank Routing Number and Bank Account Type are no longer used to maintain or Stop an ACH.
2. Added Payment Amount Excess, Reference Number, End Date (ACH end date), ACH Fee, ACH Fee Indicator, Debit Date and Default Indicator in ACH details for the account for CSSAccountDetailsRequestService service.

Section	Segment	Field/Value	Action	Description of Change
2.b.iv 2.b.viii	CSSPostTransactionsRequestService	N/A	Modified	Modified Reference Number to mandatory input for Stop ACH and ACH Maintenance transactions. The Bank Account Number, Bank Name, Bank Routing Number, Bank Account Type are no longer required to Stop or maintain an ACH.
3.d	CSSAccountDetailsRequestService	N/A	Added	Added Payment Amount Excess, Reference Number, End Date (ACH end date), ACH Fee, ACH Fee Indicator, Debit Date and Default Indicator under ACH details for the account.

### 5.3 Changes for web services Patch released on June 03, 2014

**Requirements:**

1. Enhance CSSPostTransactionsRequestService service to pass Permission to Call Indicator in telecom, address and employment set-up.
2. Enhance CSSAccountDetailsRequestService service to display the Permission to call indicator in telecom and address details for the account.

Section	Segment	Field/Value	Action	Description of Change
---------	---------	-------------	--------	-----------------------

Section	Segment	Field/Value	Action	Description of Change
2.b.ii 2.b.iii 2.b.ix 2.b.x 2.b.xi	CSSPostTransactionsRequestService	N/A	Added	Added attribute Permission to call indicator for Add Telecom Details, Maintain Telecom Details, Maintain Employment Details, Address Details Update and Phone Number Update transactions.
3.b.ii 3.b.iii 3.b.ix 3.b.x 3.b.xi	CSSPostTransactionsRequestService	N/A	Added	Added the Permission to call indicator in the outputs for Add Telecom Details, Maintain Telecom Details, Maintain Employment Details, Maintain Address Details and Maintain Phone Details transactions.
3.d	CSSAccountDetailsRequestService	N/A	Added	Added Permission to call indicator details in the response under Telecom and Address details.

## 5.4 Changes for Interim web services Patch released on May 06, 2014

### Requirements:

1. Enhance CSSAccountSearchRequestService service to support the search by the phone number added on telecom set-up.
2. Enhance CSSAccountDetailsRequestService service display the telecom details for the account.

Section	Segment	Field/Value	Action	Description of Change
1.2	CSSAccountSearchRequestService	N/A	Modified	Added Details about the services
3.d	CSSAccountDetailsRequestService	N/A	Modified	Added the new response with the details from Telecom set-up for an account

## 5.5 Changes for Interim web services Patch released on May 02, 2014

### Requirements:

1. Enhance **CSSPostTransactionsRequestService** service to support Insert and Update of Telecom record in

Telecoms set-up and Update of Employment record in Employments set-up.

Section	Segment	Field/Value	Action	Description of Change
1.3	CSSPostTransactionsRequestService	N/A	Added	Added reference for <b>Add Telecom Details, Maintain Telecom Details and Maintain Employment Details</b> transactions
2.b	CSSPostTransactionsRequestService	N/A	Added	Added the attribute list and sample inputs for <b>Add Telecom Details, Maintain Telecom Details and Maintain Employment Details</b> transactions
3.b	CSSPostTransactionsRequestService	N/A	Added	Added sample outputs for <b>Add Telecom Details, Maintain Telecom Details and Maintain Employment Details</b> transactions
4.b	CSSPostTransactionsRequestService	N/A	Added	Added the error messages for the new transactions

## 5.6 Changes for Patch-Set: 7 released on April 25, 2014

### Requirements:

1. Enhance CSSPostTransactionsRequestService service to support New ACH, One Time ACH, Stop ACH and Stop All ACH transactions through webservice

Section	Segment	Field/Value	Action	Description of Change
1.3	CSSPostTransactionsRequestService	N/A	Added	Added reference for <b>New ACH, One Time ACH, Stop ACH and Stop All</b>

				<b>ACH transactions</b>
1.4	CSSAccountPayOffQuoteRequestService	N/A	Added	Added the missing reference for of <a href="#">dbkws_xcs_upd.xsd</a> in input schemas
2	ImpNote	N/A	Added	Added Important notes regarding CSSPostTransactionsRequestService service
2.b	CSSPostTransactionsRequestService	N/A	Added	Added the attribute list and sample inputs for <b>New ACH, One Time ACH, Stop ACH and Stop All ACH</b> transactions
3.b	CSSPostTransactionsRequestService	N/A	Added	Added sample outputs for <b>New ACH, One Time ACH, Stop ACH and Stop All ACH</b> transactions
3.c	CSSAccountPayOffQuoteRequestService	N/A	Added	Added sample output for scenario : <b>When Pay off quote effective date was in past</b>
4.b	CSSPostTransactionsRequestService	N/A	Added	Added the error messages for the new transactions
4.c	CSSAccountPayOffQuoteRequestService	N/A	Removed	Removed message for successful scenarios from errors/exceptions section. The message for scenario : <b>When Pay off quote effective date was in past</b> has been moved to section 4.c

## 5.7 Changes for Interim webservice Patch released on April 11, 2014

### Requirements:

1. Enhance ACH maintenance transaction of CSSPostTransactionsRequestService accept reference number, ACH Fee and ACH Default Indicator inputs
2. Modify the date field's datatype from **datetime** to **date** in CSSPostTransactionsRequestService service
3. Add new fields in the Account Details output of CSSAccountDetailsRequestService

Section	Segment	Field/Value	Action	Description of Change
2.b.i	CSSPostTransactionsRequestService	_EffectiveDate	Changed	Modified the data type from <b>datetime</b> to <b>date</b> .
2.b.i	CSSPostTransactionsRequestService	_BirthDate	Changed	Modified the data type from <b>datetime</b> to <b>date</b> .

2.b.ii	CSSPostTransactionsRequestService	_EffectiveDate	Changed	Modified the data type from <b>datetime</b> to <b>date</b> .
2.b.ii	CSSPostTransactionsRequestService	_EffectiveDate	Changed	Modified the data type from <b>datetime</b> to <b>date</b> .
2.b.i	CSSPostTransactionsRequestService	_EffectiveDate	Changed	Modified the data type from <b>datetime</b> to <b>date</b> .
2.b.i	CSSPostTransactionsRequestService	_PaymentAmount	Changed	This attribute has been modified from mandatory to Optional
2.b.i	CSSPostTransactionsRequestService	_PaymentDay	Changed	This attribute has been modified from mandatory to Optional
2.b.i	CSSPostTransactionsRequestService	_FrequencyCode	Changed	This attribute has been modified from mandatory to Optional
2.b.i	CSSPostTransactionsRequestService	_StartDate	Removed	This attribute has been removed from the webservice input
2.b.i	CSSPostTransactionsRequestService	_EndDate	Changed	This attribute has been modified from mandatory to Optional
2.b.i	CSSPostTransactionsRequestService	_DefaultIndicator	Changed	This attribute has been modified from mandatory to Optional
2.b.i	CSSPostTransactionsRequestService	_StatusCode	Removed	This attribute has been removed from the webservice input
2.b.i	CSSPostTransactionsRequestService	_ReferenceNumber	Added	This attribute has been added to locate a transaction
2.b.i	CSSPostTransactionsRequestService	_ACHFee	Added	This attribute has been added to accept ACH Fee
2.b.i	CSSPostTransactionsRequestService	_ACHFee_Indicator	Added	This attribute will specify whether to override the default ACH at account level with the above ACH fee value or not
3.d	CSSAccountDetailsRequestService	_AccContractDt _AccDueDlqAmt _AccDueDt1 _AccDueNsfAmt _AccDueTotalAmt _AccFutureP	Added	These attributes have been added into <b>ACCOUNT_DETAILS</b> tag of the response



		ayoffAmt _AccFutureP ayoffDt _AccMaturity Dt _AccMaturity DtCur		
3.d	CSSAccountDetailsRequestService	<ACCOUNT_ BALANCE _AbIBalPdYt d="" _AbIBalPdYt d1="" _AbITxnType Cd=""/>	Added	<b>ACCOUNT_BALANCE</b> tag along with 3 attributes have been added into the response. There will be as many tags as the number of AbITxnTypeCd for the account.



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