**LSR UOM Receive Web Service API Specification**

**Version 2.1**

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**CENTURYLINK**

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# Introduction

## Referenced Documents:

ATIS Documents for UOM LSR

ILEC customers have to purchase/procure above referenced documents from ATIS.

## System Requirements

* Web Services over HTTP/HTTPS
* SOAP version 1.2
* WSDL 1.1

## Definitions

XML – Extensible Markup language

LSR – Local Service Request

LSOG – Local Services Ordering Guideline

WSDL – Web Service Definition Language

RPC – Remote Procedure Call

HTTP – Hypertext Transfer protocol

SOAP – Simple Object Access Protocol

tML – Telecommunications Messaging Language

## Assumptions and Constraints:

* The LSOG XML Schema used is derived from LSOG 14 ATIS defined XML Schema. .
* Using this LSR UOM receive Web Service component will not impact cross-visibility functionality in VFO. Without Web Services, transactions used to come through to Exchange Path directly. With Web Services, they would come via Web Services and finally to Exchange Path.
* This new LSR UOM receive Web Service component will support order as well as preorder requests and responses.

# LSR UOM Receive Web Service Interface Architecture

LSR UOM Receive Web Service interfaces follows standard business-to-business integration mode between two trading partners.

ILEC LSR Receive Web Service

CLEC Customers (LSR Send and Response Receive)

FIREWALL

FIREWALL

* ILEC LSR Receive Web Services are implemented in RPC style as per the WSDL published. More details on the LSR WSDLs are provided in the following document.
* CLEC customers need to write to the LSR Request-Receive WSDL to send LSR requests to the ILEC.
* CLEC customers must implement RPC style Web Service as per the LSR Response-Send WSDL published by the ILEC to receive asynchronous LSR order response notifications.
* CLEC customers’ LSR send client needs to initiate tML request over HTTPS.
* ILEC LSR receive Web Service interface extracts the payload, forwards it to back end system and sends soap response back to the CLEC customers.

# WSDLs & LSR Flow

## 3.1 LSR Receive WSDLs

### 3.1.1 LSR Request Receive WSDL

This Web Service must be implemented by the new LSR UOM Receive Web Service component, and the CLEC customer sending LSR UOMs must write to this Web Service using the LSRRequest-Receive.wsdl.

The ***processAsyncRequest*** is for Orders and the ***processSyncRequest*** is for Pre-Orders.

Note: The Web Service server will be deployed on the ILEC side and will be able to handle requests coming in and responses going to CLEC customers.

Operation and Message Names

processAsyncRequest – RPC over SOAP HTTP protocol

* + request
  + response

processSyncRequest – RPC over SOAP HTTP protocol

* + request
  + response

### 3.1.2 LSR Response Send WSDL

CLEC customers must implement this Web Service and the ILEC must write to this Web Service hosting the LSRResponse-Send.wsdl. This WSDL is only for Orders as there are no asynchronous responses in the case of Pre-Orders.

.

Operation and Message Name:

processAsyncResponse – RPC over SOAP HTTP protocol

* + response

### 3.1.3 LSR UOM Order Flow

CLEC customers must transmit LSR UOM Order tML as ***request*** parameter over the operation ***processAsyncRequest*** with a place holder for the ***response*** string parameter.

ILEC will validate the received UOM message for basic tML conformity and XML Schema validation.

* If it fails, a SOAP fault will be sent back on the *response* message of the *processAsyncRequest* web service call.
* If successful, OK tML will be sent as the synchronous response attribute of the *processAsyncRequest* web service call.

ILEC will then continue validating the XML against the Business Rules.

* + If business rules validation fails, ILEC sets the header element <*businessrulevalidationresult*> to the value *FAILED* in the LSOG 14 Request XML message. Populate the LSR\_RESP/HDR and LSR\_RESP/header with the same information as is being generated in LSR UOM Receive flow when a business rule error happens. If Error Analyzer classifies these as
    - All Hard Errors, will transmit the Fatal Error response (LSR\_RESP/LR/ERROR\_DETAIL populated) message via HTTP/HTTPS to ILEC customers. The error code and description in the ERROR\_DETAIL section must convey the detailed rule error(s). The LSR\_RESP/LR/LR\_ADMIN/RT tag must contain “V”. The LSR\_RESP@responsetype attribute must contain “ERROR-FATAL”.
    - All Soft Errors, will embed the error xml as CDATA value to the <businessrulevalidationresult> tag in header section of the LSOG 14 Request XML and send it to back end OSS. The error code and description in the ERROR\_DETAIL section must convey the detailed rule error(s). The LSR\_RESP/LR/LR\_ADMIN/RT tag must contain “E”. The LSR\_RESP@responsetype attribute must contain “ERROR”.
    - Neither Hard nor Soft, will transmit the Non-Fatal Error response (LSR\_RESP/LR/ERROR\_DETAIL populated) message via HTTP/HTTPS to ILEC customers. The error code and description in the ERROR\_DETAIL section must convey the detailed rule error(s). The LSR\_RESP/LR/LR\_ADMIN/RT tag must contain “E”. The LSR\_RESP@responsetype attribute must contain “ERROR”. ILEC will embed the error xml as CDATA value to the <businessrulevalidationresult> tag in header section of the LSOG 14 Request XML and send it to the back end OSS.
    - Some are Hard: ILEC will follow the Hard Error flow considering only those errors configured as Hard and ignoring any other validation errors.
    - None are Hard, some are Soft and some are neither Hard nor Soft: then ILEC will follow the “neither Hard nor Soft” flow.
  + If business rules validation is successful, ILEC sets the header element <businessrulevalidationresult> to the value PASSED in the XML message. ILEC will send the Accept Response tML to ILEC customers.

### 3.1.4 LSR UOM Pre-Order Flow

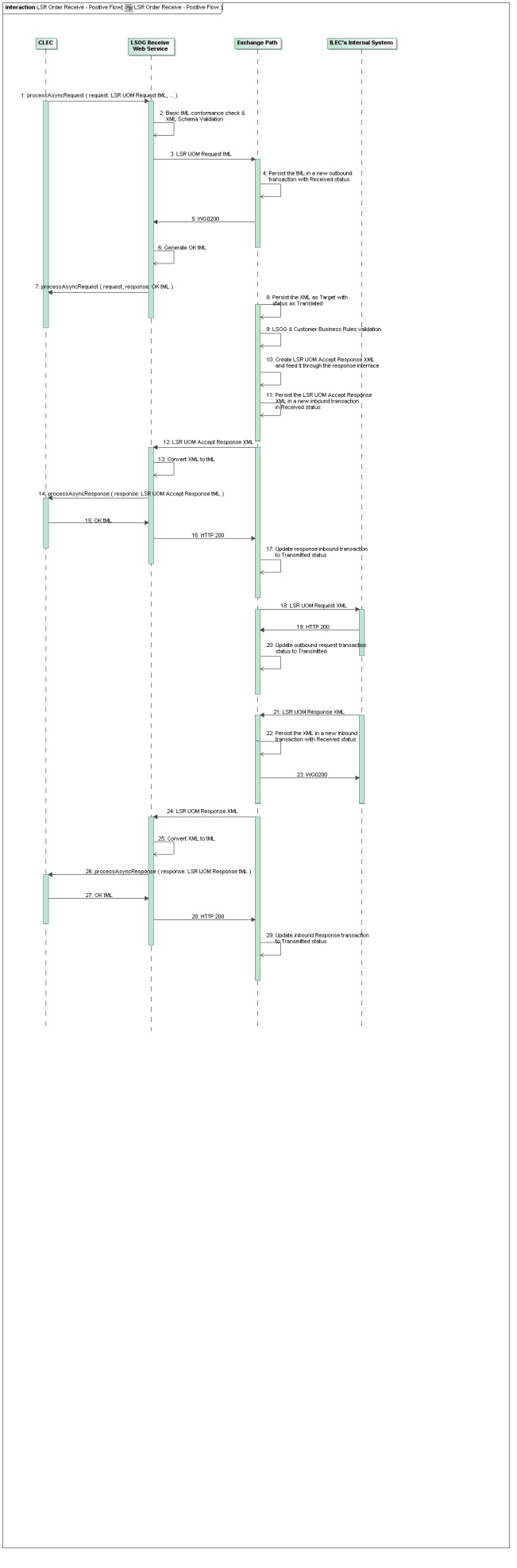
ILEC customers must transmit LSR UOM Pre-Order tML as *request* parameter over the operation *processSyncRequest* with a place holder for the *response* string parameter.

ILEC will validate the received UOM message for basic tML conformity and XML Schema validation.

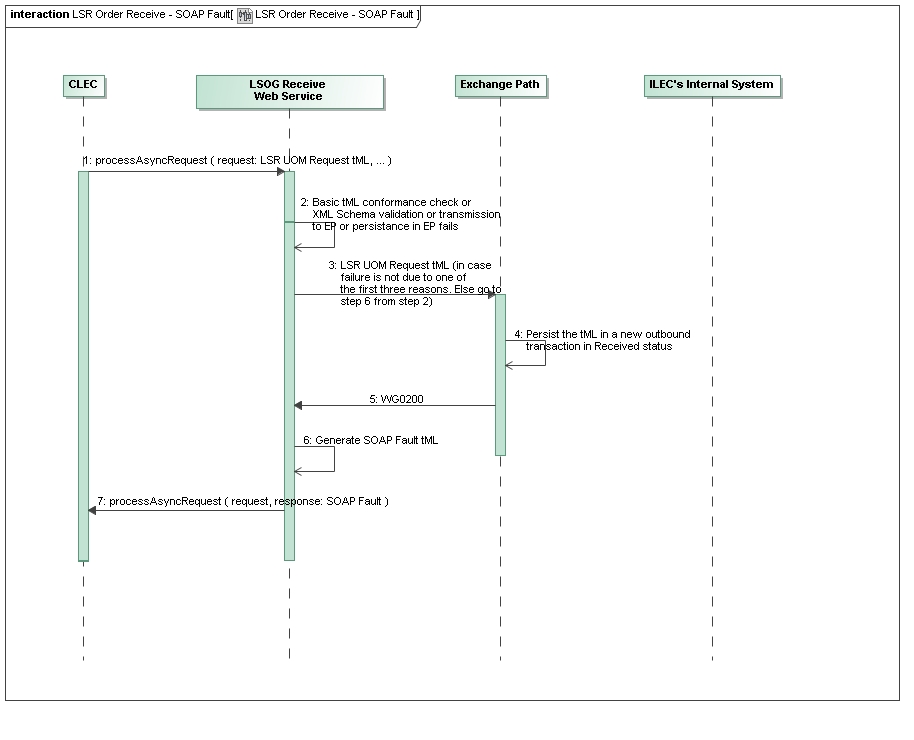
If it fails, a SOAP fault will be sent back on the *response* message of the *processSyncRequest* operation.

If it succeeds, the request must be translated to XML and transmitted to the ILEC’s OSS, wait for synchronous response and send back that response over the same *processSyncRequest* operation as response back to the sender. Exchange Path must persist the request tML & XML as Source & Target in an outbound transaction. It must persist the response XML & tML as Source & Target in an inbound transaction.

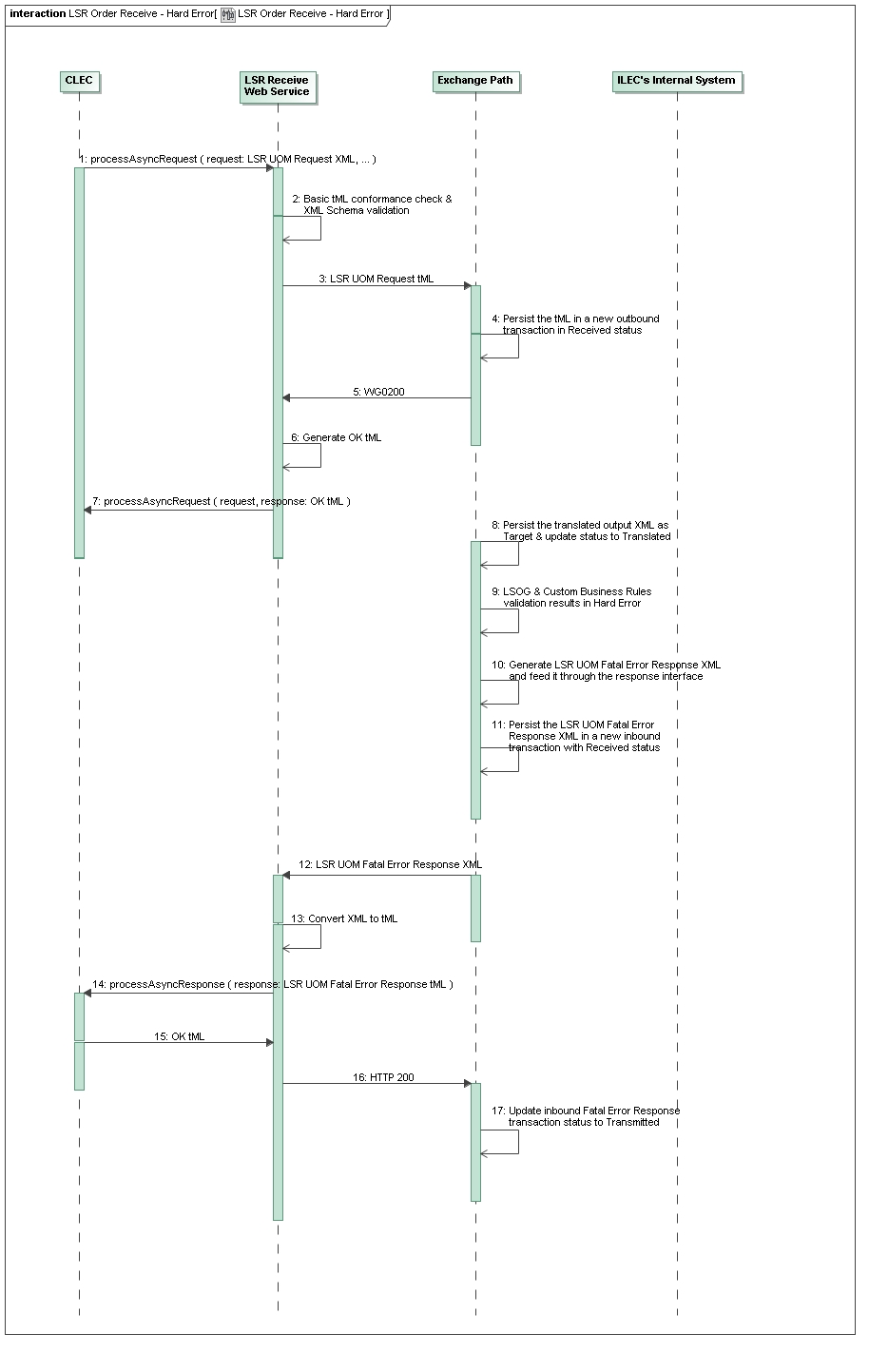
### 3.1.5 LSR Order Receive - Positive Flow



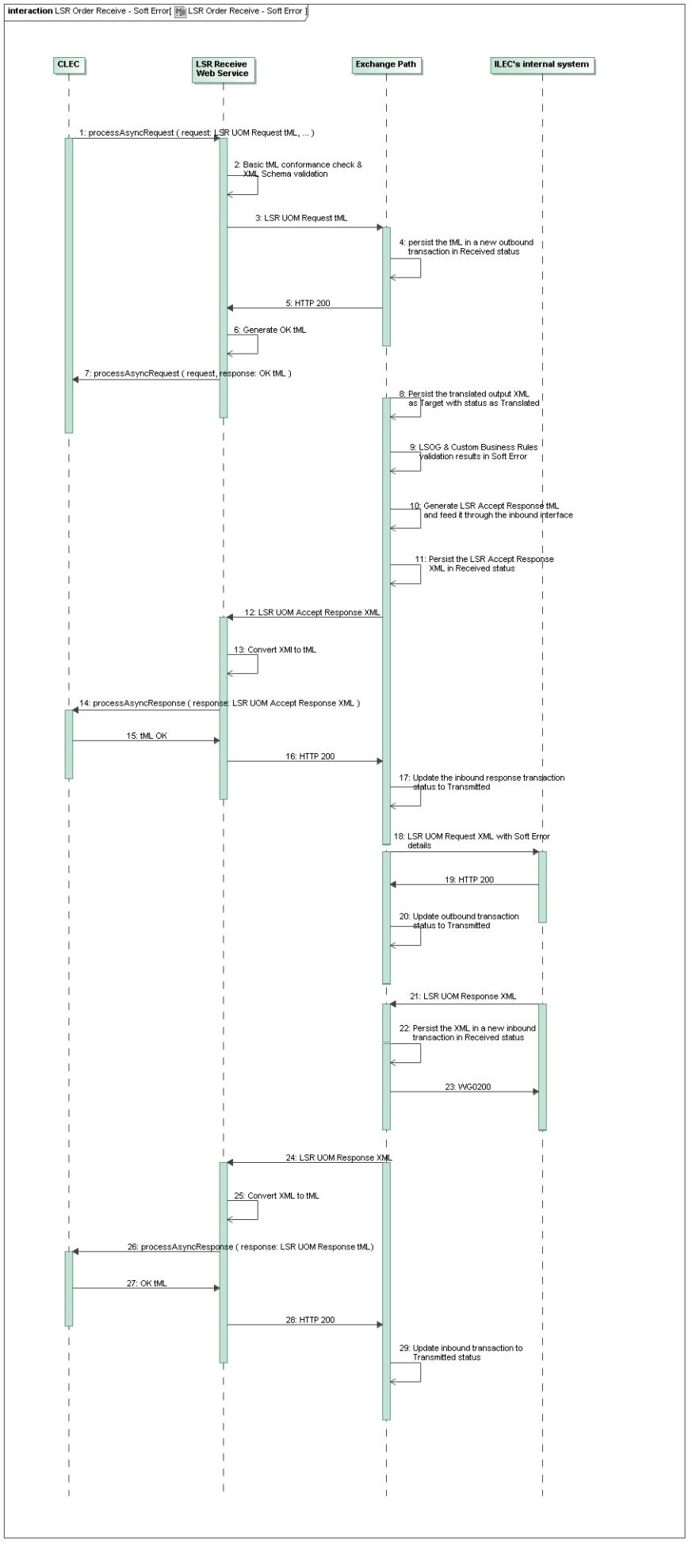
### 3.1.6 LSR Order Receive – SOAP Fault



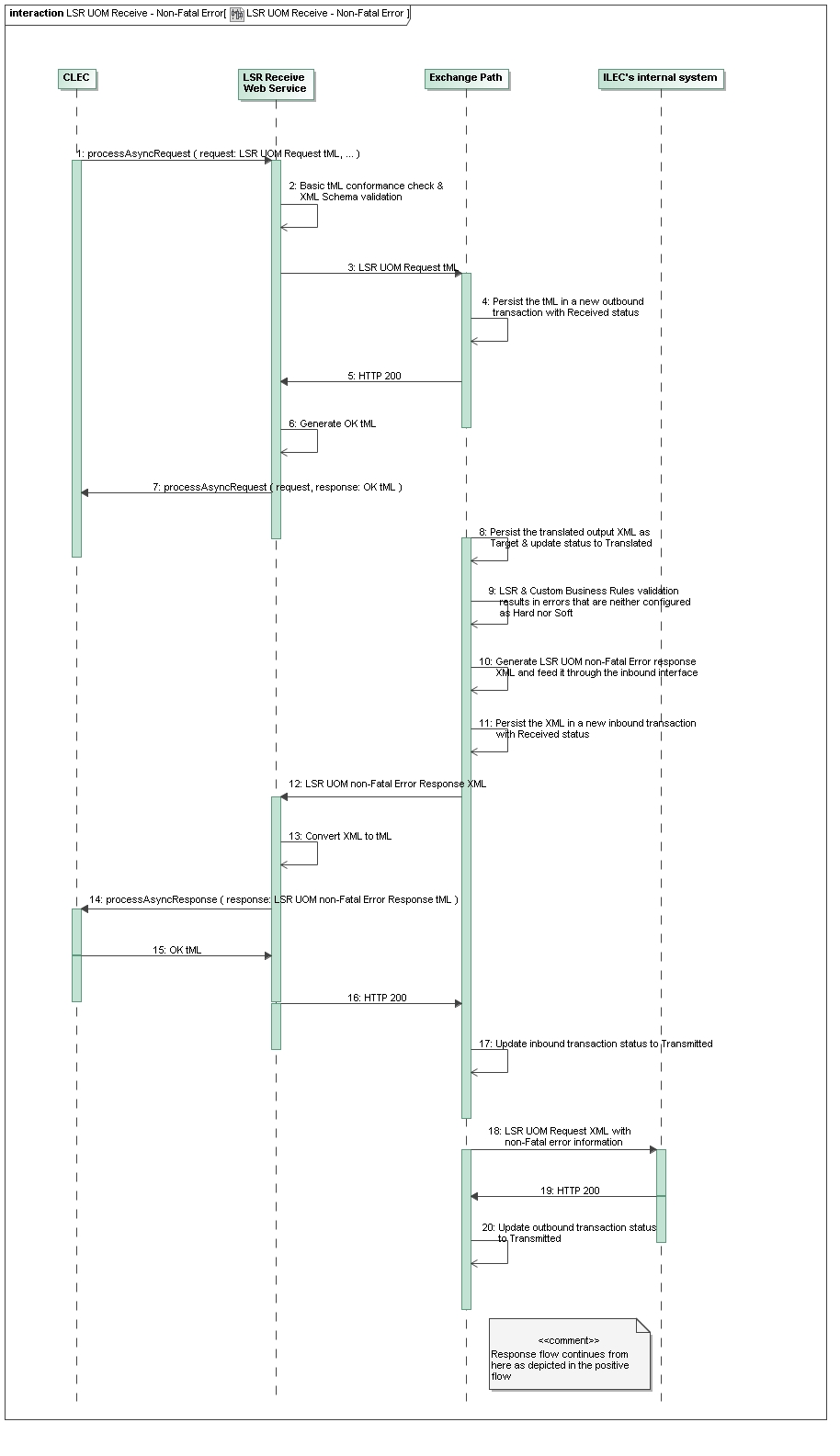
### 3.1.7 LSR Order Receive – Hard Error



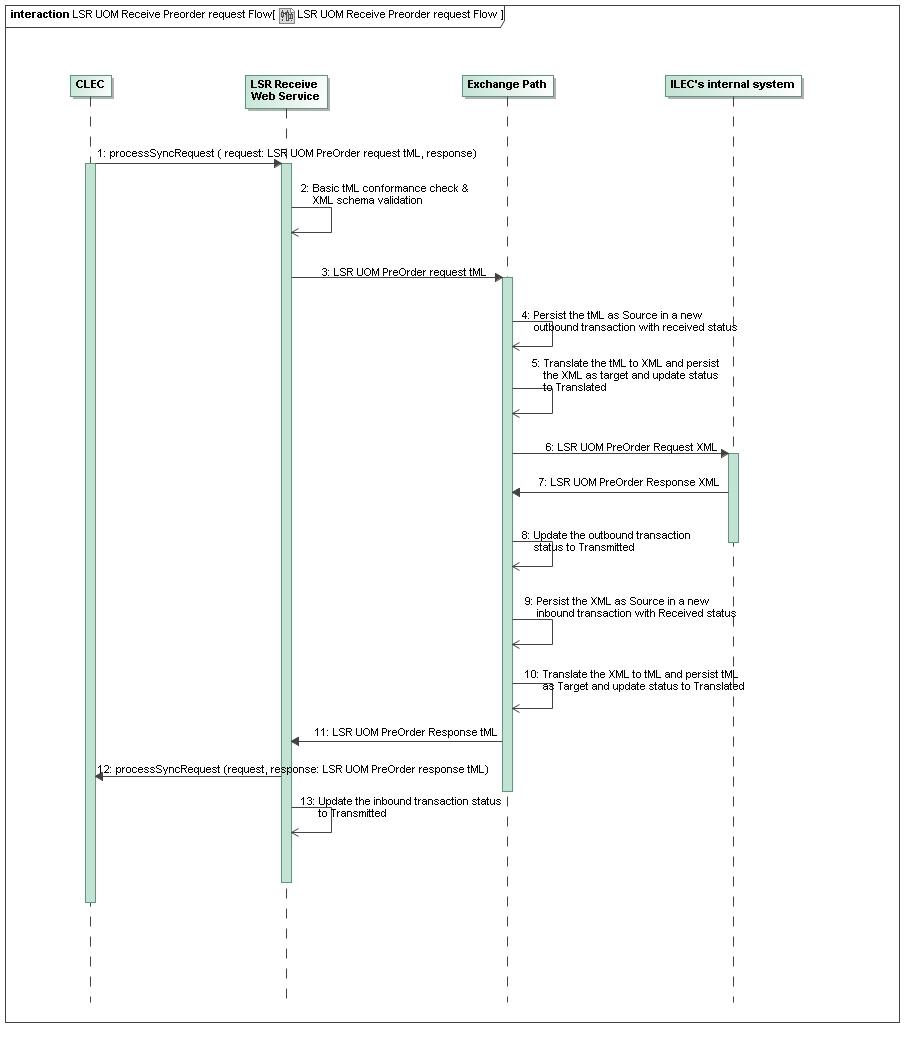
### 3.1.8 LSR Order Receive – Soft Error



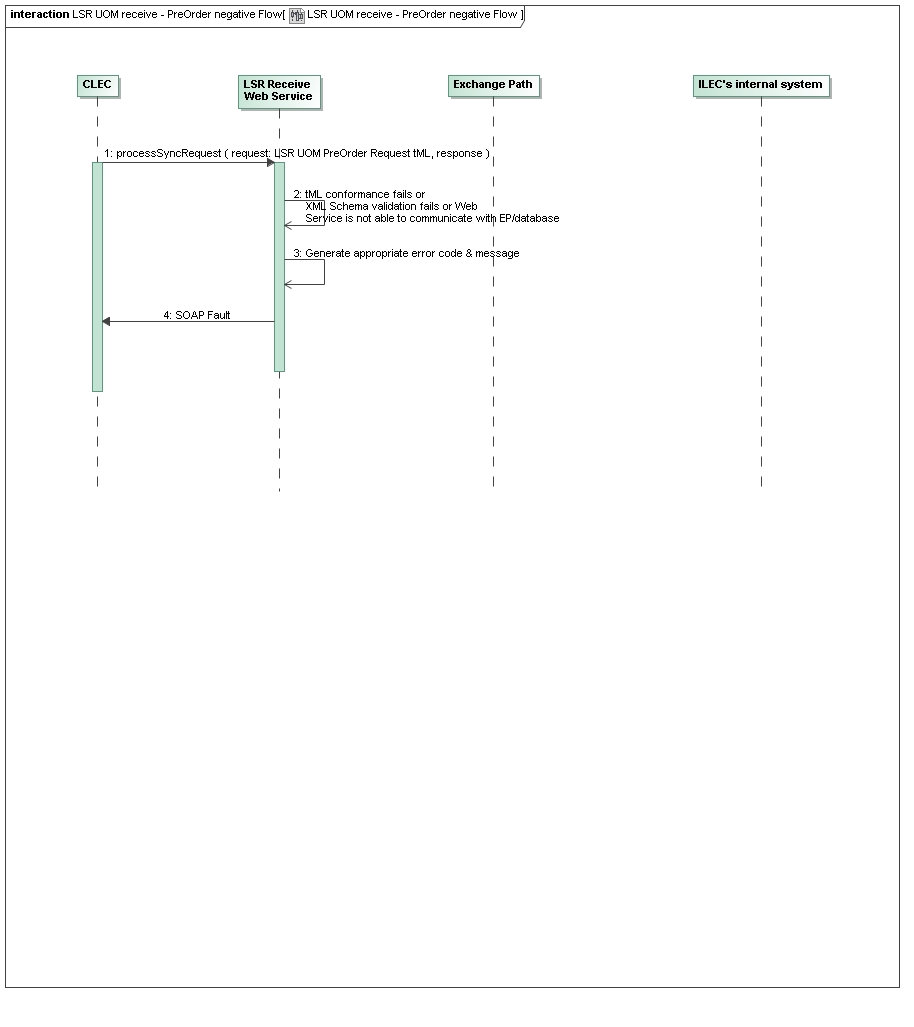
### 3.1.9 LSR Order Receive – Non-Fatal Error



### 3.1.10 LSR UOM Receive – Pre-Order Positive Flow



### 3.1.11 LSR UOM Receive – Pre-Order Negative Flow



# Sample LSR tMLs – The following samples are a guide for xml structure. The order xml and data is not meant to be a guide to build orders.

## 4.1 LSR UOM Order Request tML

### 4.1.1 ReqType: CB

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

+ <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

+ <soapenv:Header> </soapenv:Header>

- <soapenv:Header>

<wsse:Security soapenv:mustUnderstand="0" soapenv:actor=""  
 xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext">  
 <wsse:UsernameToken>  
 <wsse:Username>request\_un</wsse:Username>  
 <wsse:Password>request\_pwd</wsse:Password>  
 </wsse:UsernameToken>  
 </wsse:Security>

+ <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd"> </ns1:tMLHeader>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>1234EMBQ2018-02-28T09:12:09.758-05:0095</ns1:TransportID>

<ns1:CorrelationID>88484</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:From>1234</ns1:From>

<ns1:To>EMBQ</ns1:To>

<ns1:SendTimestamp>2018-02-28T09:12:09.758-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processAsyncRequest xmlns="java:lsr.webservice.wisor.com"> </processAsyncRequest>

- <processAsyncRequest xmlns="java:lsr.webservice.wisor.com">

<string xmlns="">  
<![CDATA[

<LSR\_ORD\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE"> </LSR\_ORD\_REQ>

<LSR\_ORD\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR> </HDR>

<HDR>

<MESSAGE\_ID>203572695</MESSAGE\_ID>

<CCNA>ABC</CCNA>

<TPID>EMBQ</TPID>

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<PON>203572695</PON>

<VER>01</VER>

<ATN>7777777777</ATN>

<LSOG\_VER>14</LSOG\_VER>

</HDR>

<LSR> </LSR>

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<LSR\_ADMIN> </LSR\_ADMIN>

<LSR\_ADMIN>

<LOCQTY>1</LOCQTY>

<AN>4444444444</AN>

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<SASN>Highway 1</SASN>

<CITY>GOWER</CITY>

<STATE>MO</STATE>

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<LNA>V</LNA>

</NP\_SVC\_DET>

</NP>

</LSR\_ORD\_REQ>

]]></string>

</processAsyncRequest>

</soapenv:Body>

</soapenv:Envelope>

### 4.1.2 ReqType: JB

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

+ <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

+ <soapenv:Header> </soapenv:Header>

- <soapenv:Header>

<wsse:Security soapenv:mustUnderstand="0" soapenv:actor=""  
 xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext">  
 <wsse:UsernameToken>  
 <wsse:Username>request\_un</wsse:Username>  
 <wsse:Password>request\_pwd</wsse:Password>  
 </wsse:UsernameToken>  
 </wsse:Security>

+ <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd"> </ns1:tMLHeader>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>1234EMBQ2018-02-28T09:12:09.758-05:0095</ns1:TransportID>

<ns1:CorrelationID>88484</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:From>1234</ns1:From>

<ns1:To>EMBQ</ns1:To>

<ns1:SendTimestamp>2018-02-28T09:12:09.758-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processAsyncRequest xmlns="java:lsr.webservice.wisor.com"> </processAsyncRequest>

- <processAsyncRequest xmlns="java:lsr.webservice.wisor.com">

<string xmlns="">  
<![CDATA[

<LSR\_ORD\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE"> </LSR\_ORD\_REQ>

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

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<LSR\_ORD\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

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<INIT\_TEL\_NO>8888888888</INIT\_TEL\_NO>

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<RTY>LML</RTY>

<STYC>SL</STYC>

<DOI>0</DOI>

<DLNUM>0001</DLNUM>

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</LISTING\_INSTRUCTION>

</LISTING\_INFO>

<DELIVERY\_ADDR\_INFO> </DELIVERY\_ADDR\_INFO>

<DELIVERY\_ADDR\_INFO>

<DIRQTY>01</DIRQTY>

</DELIVERY\_ADDR\_INFO>

</DL>

</LSR\_ORD\_REQ>

]]></string>

</processAsyncRequest>

</soapenv:Body>

</soapenv:Envelope>

## 

## 4.2 LSR UOM Order Response tML

### 4.2.1 OK tML

**CenturyLink OK back to CLEC on ORDER REQUESTS**

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

+ <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

+ <soapenv:Header> </soapenv:Header>

- <soapenv:Header>

+ <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd"> </ns1:tMLHeader>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>EMBQ2018-02-28T08:12:10.510-06:00588</ns1:TransportID>

<ns1:CorrelationID>88484</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:From>EMBQ</ns1:From>

<ns1:To>1234</ns1:To>

<ns1:SendTimestamp>2018-02-28T08:12:10.510-06:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processAsyncRequestResponse xmlns="java:lsr.webservice.wisor.com"> </processAsyncRequestResponse>

- <processAsyncRequestResponse xmlns="java:lsr.webservice.wisor.com">

<response xmlns="">OK</response>

</processAsyncRequestResponse>

</soapenv:Body>

</soapenv:Envelope>

**CLEC OK back to CenturyLink on ORDER RESPONSES**

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

+ <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"> </soap:Envelope>

- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

+ <soap:Header> </soap:Header>

- <soap:Header>

+ <tml:tMLHeader xmlns:tml="http://tml.t1m1.org/tML.Transport.xsd"> </tml:tMLHeader>

- <tml:tMLHeader xmlns:tml="http://tml.t1m1.org/tML.Transport.xsd">

<tml:TransportID>1234-20180228T100835317</tml:TransportID>

<tml:From>1234</tml:From>

<tml:To>EMBQ</tml:To>

<tml:SendTimestamp>2018-02-28T10:08:35.317-05:00</tml:SendTimestamp>

<tml:RetryCount>1</tml:RetryCount>

<tml:ApplicationType>LSROR</tml:ApplicationType>

<tml:ApplicationVersion>1.0</tml:ApplicationVersion>

</tml:tMLHeader>

</soap:Header>

+ <soap:Body> </soap:Body>

- <soap:Body>

+ <processAsyncResponseResponse xmlns="java:webservice.lsr.customer.wisor.com"> </processAsyncResponseResponse>

- <processAsyncResponseResponse xmlns="java:webservice.lsr.customer.wisor.com">

<result>OK</result>

</processAsyncResponseResponse>

</soap:Body>

</soap:Envelope>

### 4.2.2 SOAP Fault

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

+ <soapenv:Envelope xmlns:soapenv=**"http://schemas.xmlsoap.org/soap/envelope/"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"**> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv=**"http://schemas.xmlsoap.org/soap/envelope/"** xmlns:xsd=**"http://www.w3.org/2001/XMLSchema"** xmlns:xsi=**"http://www.w3.org/2001/XMLSchema-instance"**>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <soapenv:Fault> </soapenv:Fault>

- <soapenv:Fault>

<faultcode>**WSLSRTMLSEND005**</faultcode>

<faultstring>**XML Schema validation failed. Please make corrections to the request and retry again. - javax.xml.rpc.soap.SOAPFaultException: XML Schema validation failed. Please make corrections to the request and retry again. - (1)cvc-maxLength-valid: Value '2018-01-11 13:38:24' with length = '19' is not facet-valid with respect to maxLength '12' for type 'DT\_SENT\_12\_Type'. (2)cvc-type.3.1.3: The value '2018-01-11 13:38:24' of element 'DT\_SENT' is not valid.**</faultstring>

+ <detail> </detail>

- <detail>

<ns1:hostname xmlns:ns1=**"http://xml.apache.org/axis/"**>**abc.srvr.net**</ns1:hostname>

</detail>

</soapenv:Fault>

</soapenv:Body>

</soapenv:Envelope>

### 

### 4.2.3 Error Fatal Response tML (Hard Error)

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

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

- <soapenv:Header>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>EMBQ8XYZ2012-09-07T08:22:12.795-05:00223</ns1:TransportID>

<ns1:CorrelationID>134702413279848</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>8XYZ</ns1:To>

<ns1:SendTimestamp>2012-09-07T08:22:12.795-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

- <soapenv:Body>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

- <string xmlns="">

- <![CDATA[

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

<LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR>

<MESSAGE\_ID>201209071419929</MESSAGE\_ID>

<CCNA>XYZ</CCNA>

<TPID>EMBQ</TPID>

<MSG\_TIMESTAMP>2012-09-07T09:22:04.153-04:00</MSG\_TIMESTAMP>

<PON>35239068060907D1</PON>

<VER>01</VER>

<LSOG\_VER>10</LSOG\_VER>

</HDR>

<LR>

<LR\_ADMIN>

<RT>V</RT>

</LR\_ADMIN>

<ERROR\_DETAIL>

<ERROR\_CODE>EQLW15</ERROR\_CODE>

<ERROR\_MESSAGE>TRANSACTION NOT AUTHORIZED - LTN NOT OWNED BY CLEC</ERROR\_MESSAGE>

</ERROR\_DETAIL>

</LR>

</LSR\_RESP>

]]>

</string>

</processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>

### 4.2.4 Error Response tML (Soft Error)

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

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

- <soapenv:Header>

<ns1:tMLHeader xmlns:ns1=""http://tml.t1m1.org/tML.Transport.xsd"">

<ns1:TransportID>EMBQ8XYZ2012-09-24T14:04:30.732-05:00658</ns1:TransportID>

<ns1:CorrelationID>134851347073537</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>8XYZ</ns1:To>

<ns1:SendTimestamp>2012-09-24T14:04:30.732-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

- <soapenv:Body>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

- <string xmlns="">

- <![CDATA[

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

<LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR >

<MESSAGE\_ID >21410733978</MESSAGE\_ID>

<CCNA >XYZ</CCNA>

<TPID >EMBQ</TPID>

<MSG\_TIMESTAMP >2012-09-24T14:04:26-05:00</MSG\_TIMESTAMP>

<PON >21410733978</PON>

<VER >01</VER>

</HDR>

<LR >

<REMARKS >PENDING ORDER THAT HAS TO BE COMPLETED OR CANCELLED BEFORE PORT CAN BE PROCESSED</REMARKS>

<LR\_ADMIN >

<INIT >DLC</INIT>

<REP >NEAC</REP>

<REP\_TEL\_NO >7777777777</REP\_TEL\_NO>

<RT >E</RT>

<RCODE >1C</RCODE>

<RDET >CUSTOMER NOT READY</RDET>

</LR\_ADMIN>

</LR>

</LSR\_RESP>

]]>

</string>

</processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>"

### 4.2.5 Jeopardy Response tML

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

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

- <soapenv:Header>

<ns1:tMLHeader xmlns:ns1=""http://tml.t1m1.org/tML.Transport.xsd"">

<ns1:TransportID>EMBQ9XYZ2012-09-24T13:39:14.291-05:00438</ns1:TransportID>

<ns1:CorrelationID>134851195429347</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>9XYZ</ns1:To>

<ns1:SendTimestamp>2012-09-24T13:39:14.291-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

<soapenv:Body>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

- <string xmlns="">

- <![CDATA[

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

<LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR>

<MESSAGE\_ID >47653924947</MESSAGE\_ID>

<CCNA>XYZ</CCNA>

<TPID>EMBQ</TPID>

<MSG\_TIMESTAMP >2012-09-24T13:39:01-05:00</MSG\_TIMESTAMP>

<PON>47653924947</PON>

<VER>01</VER>

<AN>99999999</AN>

</HDR>

<LR >

<REMARKS >Port failed due to pending move order on account. order 1113845577 canceled.</REMARKS>

<LR\_ADMIN ><INIT >Company LNP</INIT>

<REP>NEAC</REP>

<REP\_TEL\_NO >4444444444</REP\_TEL\_NO>

<RT >J</RT>

<RCODE >1C</RCODE>

<RDET>LOCAL SERVICE PROVIDER NOT READY</RDET>

</LR\_ADMIN>

</LR>

</LSR\_RESP>

]]>

</string>

/processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>"

### 4.2.6 Clarification Response tML

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

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

- <soapenv:Header>

<ns1:tMLHeader xmlns:ns1=""http://tml.t1m1.org/tML.Transport.xsd"">

<ns1:TransportID>EMBQ9XYZ2012-09-17T15:39:26.901-05:0090</ns1:TransportID>

<ns1:CorrelationID>134791436690499</ns1:CorrelationID>

<ns1:ApplicationType>LSROR</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>9XYZ</ns1:To>

<ns1:SendTimestamp>2012-09-17T15:39:26.901-05:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount></ns1:tMLHeader>

</ns1:tMLHeader>

</soapenv:Header>

<soapenv:Body>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

- <string xmlns="">

- <![CDATA[

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

<LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR >

<MESSAGE\_ID >70268554910913D1</MESSAGE\_ID>

<CCNA >XYZ</CCNA>

<TPID >EMBQ</TPID>

<MSG\_TIMESTAMP >2012-09-17T15:39:15-05:00</MSG\_TIMESTAMP>

<PON >70268554910913D1</PON>

<VER >01</VER>

</HDR>

<LR >

<REMARKS >directory disconnect 1112619977</REMARKS>

<LR\_ADMIN >

<INIT >ocdirectory</INIT>

<REP >NEAC</REP>

<REP\_TEL\_NO >7777777777</REP\_TEL\_NO>

<RT >F</RT>

<DD >20120917</DD>

</LR\_ADMIN>

</LR>

</LSR\_RESP>

]]>

</string></processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>"

### 4.2.7 Confirmation Response tML

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

+ <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

+ <soapenv:Header> </soapenv:Header>

- <soapenv:Header>

+ <wsse:Security xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext" soapenv:actor="" soapenv:mustUnderstand="0"> </wsse:Security>

- <wsse:Security xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext" soapenv:actor="" soapenv:mustUnderstand="0">

+ <wsse:UsernameToken> </wsse:UsernameToken>

- <wsse:UsernameToken>

<wsse:Username>Lsruid</wsse:Username>

<wsse:Password>lsrpw1231</wsse:Password>

</wsse:UsernameToken>

</wsse:Security>

+ <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd"> </ns1:tMLHeader>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>EMBQ2018-02-28T08:12:33.060-06:00635</ns1:TransportID>

<ns1:CorrelationID>151982715306143</ns1:CorrelationID>

<ns1:ApplicationType>LSROR,LSRPO</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>1234</ns1:To>

<ns1:SendTimestamp>2018-02-28T08:12:33.060-06:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com"> </processAsyncResponse>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

<string xmlns="">

- <![CDATA[

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

<LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR>

<MESSAGE\_ID>203572695</MESSAGE\_ID>

<CCNA>ABC</CCNA>

<TPID>EMBQ</TPID>

<MSG\_TIMESTAMP>2018-02-28 08:12:32</MSG\_TIMESTAMP>

<PON>203572111</PON>

<VER>01</VER>

<AN>2222222222</AN>

<LSOG\_VER>14</LSOG\_VER>

</HDR>

<LR>

<LR\_ADMIN>

<ORD>1484429222,REMARKS2</ORD>

<INIT>STI Callcenter</INIT>

<REP>STI Callcenter</REP>

<REP\_TEL\_NO>6666666666</REP\_TEL\_NO>

<RT>C</RT>

<DD>20180315</DD>

<EC\_VER>1</EC\_VER>

</LR\_ADMIN>

<CIRCUIT\_DET>

<LNUM>0001</LNUM>

<TNS>5555555555</TNS>

</CIRCUIT\_DET>

<CIRCUIT\_DET>

<LNUM>0002</LNUM>

<TNS>8888888888</TNS>

</CIRCUIT\_DET>

<REMARKS\_INFO>

<REMARKS1>CUSTOMER DESIRED DUE DATE IS: 20180315</REMARKS1>

<REMARKS2>1484429333</REMARKS2></REMARKS\_INFO>

</LR>

</LSR\_RESP>

]]>

</string>

</processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>

### 4.2.8 Completion Response tML

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

+ <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> </soapenv:Envelope>

- <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

+ <soapenv:Header> </soapenv:Header>

- <soapenv:Header>

+ <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd"> </ns1:tMLHeader>

- <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">

<ns1:TransportID>345-2018-02-28T09:50:32.879-06:00576</ns1:TransportID>

<ns1:CorrelationID>151983303288048</ns1:CorrelationID>

<ns1:ApplicationType>LSROR,LSRPO</ns1:ApplicationType>

<ns1:ApplicationVersion>1.0</ns1:ApplicationVersion>

<ns1:From>EMBQ</ns1:From>

<ns1:To>1234</ns1:To>

<ns1:SendTimestamp>2018-02-28T09:50:32.879-06:00</ns1:SendTimestamp>

<ns1:RetryCount>0</ns1:RetryCount>

</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com"> </processAsyncResponse>

- <processAsyncResponse xmlns="java:webservice.lsr.customer.wisor.com">

<string xmlns="">

- <![CDATA[

<?xml version="1.0" encoding="UTF-8"?><LSR\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_order" xmlns:sncrBase="http://www.synchronoss.com/base/SNCR\_BASE">

<HDR>

<MESSAGE\_ID>234234234</MESSAGE\_ID>

<CCNA>ABC</CCNA>

<TPID>EMBQ</TPID>

<MSG\_TIMESTAMP>201802280950</MSG\_TIMESTAMP>

<PON>ERT668563A</PON>

<VER>01</VER>

<LSOG\_VER>14</LSOG\_VER>

</HDR>

<LR>

<LR\_ADMIN>

<DT\_SENT>201802280950</DT\_SENT>

<RT>Z</RT>

<CD>20180228</CD>

<EC\_VER>1</EC\_VER>

</LR\_ADMIN>

<REMARKS\_INFO>

<REMARKS1/>

</REMARKS\_INFO>

</LR>

</LSR\_RESP>

]]>

</string>

</processAsyncResponse>

</soapenv:Body>

</soapenv:Envelope>

### 

## 4.3 LSR UOM Pre-Order Request / Response tML

### 4.3.1 DLI Pre-Order Request / Response tML

**4.3.1.1 DLI Pre-Order Request: Company Code Error**

<?xml version="1.0" encoding="UTF-8"?>  
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <wsse:Security xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext" soapenv:actor="" soapenv:mustUnderstand="0">  
 <wsse:UsernameToken>  
 <wsse:Username>lsog14\_request\_un</wsse:Username>  
 <wsse:Password>lsog14\_request\_pwd</wsse:Password>  
 </wsse:UsernameToken>  
 </wsse:Security>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequest xmlns="java:lsr.webservice.wisor.com">  
 <string xmlns=""><![CDATA[ =""><?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
 <LSR\_PO\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">   
 <HDR>  
 <MESSAGE\_ID>PREORDERDLI1</MESSAGE\_ID>   
 <CCNA>XYZ</CCNA>  
 <TPID>EMBQ</TPID>  
 <MSG\_TIMESTAMP>2012-08-15T09:50:43-05:00</MSG\_TIMESTAMP>   
 <TXNUM>PREORDERDLI1</TXNUM>   
 <TXTYP>T</TXTYP>   
 <CC>9XYZ </CC>  
 <STATE>NV</STATE>   
 </HDR>  
 <DLI\_REQ>  
 <DLI\_REQ\_INFO>  
 <LTN>4444444444</LTN>   
 </DLI\_REQ\_INFO>  
 </DLI\_REQ>  
 </LSR\_PO\_REQ>]]> </string>  
 </processSyncRequest>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.1.2 DLI Pre-Order Response: Company Code Error**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
</soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns=""><![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>PREORDERDLI1</MESSAGE\_ID>  
 <MSG\_TIMESTAMP>2012-08-30T01:24:32-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDERDLI1</TXNUM>  
 <TXTYP>T</TXTYP>  
 <CC>1XYZ</CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <DLI\_RESP>  
 <RESP\_STATUS\_GRP>  
 <RESPC>18</RESPC>  
 <RESPD>Invalid Input Combination</RESPD>  
 <PRESPC>18</PRESPC>  
 <PRESPD>LTN does not match your Company Code</PRESPD>  
 </RESP\_STATUS\_GRP>  
 </DLI\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.1.3 DLI Pre-Order Response: Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns=""><![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>PREORDERDLI1</MESSAGE\_ID>  
 <MSG\_TIMESTAMP>2012-08-30T01:33:13-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDERDLI1</TXNUM>  
 <TXTYP>T</TXTYP>  
 <CC>9XYZ</CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <DLI\_RESP>  
 <DLI\_DET>  
 <RTY>LML</RTY>  
 <LTY>1</LTY>  
 <STYC>SL</STYC>  
 <TOA>B</TOA>  
 <DIRSUB>WHT</DIRSUB>  
 <DIRNAME>45498</DIRNAME>  
 <ALI>1</ALI>  
 <LIST\_INSTRUCT\_GRP>  
 <LTN>3333333333</LTN>  
 <MTN>2222222222</MTN>  
 </LIST\_INSTRUCT\_GRP>  
 <LIST\_NAME\_GRP>  
 <LNLN>Lister’s Last Name</LNLN>  
 </LIST\_NAME\_GRP>  
 <LIST\_ADDR\_GRP>  
 <LANO>1621</LANO>  
 <LASD>E</LASD>  
 <LASN>Flamingo</LASN>  
 <LALOC>Las Vegas</LALOC>  
 <LAST>NV</LAST>  
 <LAZC>89119</LAZC>  
 </LIST\_ADDR\_GRP>  
 <LIST\_TEXT\_GRP>  
 <LTXNUM>1</LTXNUM>  
 </LIST\_TEXT\_GRP>  
 </DLI\_DET>  
 <RESP\_STATUS\_GRP>  
 <RESPC>27</RESPC>  
 <RESPD>Transaction Successful</RESPD>  
 <PRESPC/>  
 <PRESPD/>  
 </RESP\_STATUS\_GRP>  
 </DLI\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.1.4 DLI Pre-Order Response: Not Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns=""><![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>PREORDERDLI1</MESSAGE\_ID>  
 <MSG\_TIMESTAMP>2012-08-30T01:36:58-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDERDLI1</TXNUM>  
 <TXTYP>T</TXTYP>  
 <CC>9XYZ </CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <DLI\_RESP>  
 <RESP\_STATUS\_GRP>  
 <RESPC>18</RESPC>  
 <RESPD>Invalid Input Combination</RESPD>  
 <PRESPC>18</PRESPC>  
 <PREPD>Error Code:PARA\_INVALID\_TN Description :Could not find Listing</PRESPD>  
 </RESP\_STATUS\_GRP>  
</DLI\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

### 4.3.2 CSI Pre-Order Request / Response tML

**4.3.2.1 CSI Pre-Order Request: Found**

<?xml version="1.0" encoding="UTF-8"?>  
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <wsse:Security xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext" soapenv:actor=""  
 soapenv:mustUnderstand="0">  
 <wsse:UsernameToken>  
 <wsse:Username>lsog14\_request\_un</wsse:Username>  
 <wsse:Password>lsog14\_request\_pwd</wsse:Password>  
 </wsse:UsernameToken>  
 </wsse:Security>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
</soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequest xmlns="java:lsr.webservice.wisor.com">  
 <string xmlns=""><![CDATA[ =""><?xml version="1.0" encoding="UTF-8" standalone="yes"?>  
 <LSR\_PO\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">   
 <HDR>  
 <MESSAGE\_ID>PREORDCSINOAAI1</MESSAGE\_ID>  
 <CCNA>XYZ</CCNA>  
 <TPID>EMBQ</TPID>  
 <MSG\_TIMESTAMP>2012-08-15T11:55:34-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDCSINOAAI1</TXNUM>  
 <TXTYP>E</TXTYP>  
 <CC>8XYZ</CC>  
 <STATE>KS</STATE>  
 </HDR>  
 <CSI\_REQ>  
 <AGAUTH>Y</AGAUTH>  
 <DATED>20120520</DATED>  
 <CSI\_DET>  
 <WTN>7855551212</WTN>  
 </CSI\_DET>  
 </CSI\_REQ>  
 </LSR\_PO\_REQ>]]>  
 </string>  
 </processSyncRequest>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.2.2 CSI Pre-Order Response: Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns=""><![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
 <LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>PREORDCSINOAAI1</MESSAGE\_ID>  
 <MSG\_TIMESTAMP>2012-08-30T01:11:45-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDCSINOAAI1</TXNUM>  
 <TXTYP>E</TXTYP>  
 <CC>8XYZ</CC>  
 <STATE>KS</STATE>  
 </HDR>  
 <CSI\_RESP>  
 <AN>99999999</AN>  
 <ATN>5555555555</ATN>  
 <AGAUTH>Y</AGAUTH>  
 <AUTHNM>MECHNIG, CAROL</AUTHNM>  
 <CS/>  
 <LIST\_INSTRUCT\_GRP/>  
 <SVC\_ADDR\_GRP>  
 <SANO>413</SANO>  
 <SASS/>  
 <SASF/>  
 <SASD/>  
 <SASN>LEE</SASN>  
 <SATH>ST</SATH>  
 <LD1/>  
 <LV1/>  
 <LD2/>  
 <LV2/>  
 <LD3/>  
 <LV3/>  
 <CITY>WESTPHALIA</CITY>  
 <STATE>KS</STATE>  
 <ZIP>66093</ZIP>  
 </SVC\_ADDR\_GRP>  
 <RESP\_STATUS\_GRP>  
 <RESPC>27</RESPC>  
 <RESPD>Transaction Successful.</RESPD>  
 <PRESPC/>  
 <PRESPD>Owner: CTL</PRESPD>  
 </RESP\_STATUS\_GRP>  
 <CSI\_HUNT\_INFO/>  
 <CSI\_DELIV\_ADDR\_INFO/>  
 <CSI\_LIST\_INFO/>  
 <CSI\_LIST\_ADDR\_INFO/>  
 <CSI\_DIR\_INFO/>  
 <CSI\_INFO>  
 <WTN>3333333333</WTN>  
 <NAME>Contact Name</NAME>  
 <CAI/>  
 <PIC>0222</PIC>  
 <LPIC>0222</LPIC>  
 <IPIC/>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>1500</FEATURE>  
 <FEATURE\_DETAIL>1 Pty Access Line</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>2002</FEATURE>  
 <FEATURE\_DETAIL>Subscriber Line Charge- Inter</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>KSUSF</FEATURE>  
 <FEATURE\_DETAIL>KS Universal Svc Fund Surcharge</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>2003R</FEATURE>  
 <FEATURE\_DETAIL>Access Recovery Charge</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>4654</FEATURE>  
 <FEATURE\_DETAIL>Inside Wire Maintenance</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 <FEATURE\_INFO>  
 <FQTY>1</FQTY>  
 <FEATURE\_GRP>  
 <FEATURE>DREGCH</FEATURE>  
 <FEATURE\_DETAIL>Non-Telecom Services Surcharge</FEATURE\_DETAIL>  
 </FEATURE\_GRP>  
 </FEATURE\_INFO>  
 </CSI\_INFO>  
 </CSI\_RESP>  
 </LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.2.3 CSI Pre-Order Response: Not Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
</soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns=""><![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
 <LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>PREORDCSINOAAI1</MESSAGE\_ID>  
 <MSG\_TIMESTAMP>2012-08-30T01:18:56-05:00</MSG\_TIMESTAMP>  
 <TXNUM>PREORDCSINOAAI1</TXNUM>  
 <TXTYP>E</TXTYP>  
 <CC>1XYZ</CC>  
 <STATE>KS</STATE>  
 </HDR>  
 <CSI\_RESP>  
 <RESP\_STATUS\_GRP>  
 <RESPC>33</RESPC>  
 <RESPD>Telephone Number(s) Not Found</RESPD>  
 <PRESPC>33</PRESPC>  
 <PRESPD>Error Code:PARA\_INVALID\_TN Description :No product Found</PRESPD>  
 </RESP\_STATUS\_GRP>  
 </CSI\_RESP>  
 </LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

### 4.3.3 AV Pre-Order Request / Response tML

**4.3.3.1 AV Pre-Order Request**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>

</soapenv:Header>

+ <soapenv:Body> </soapenv:Body>

- <soapenv:Body>

+ <processSyncRequest xmlns=**"java:lsr.webservice.wisor.com"**> </processSyncRequest>

- <processSyncRequest xmlns=**"java:lsr.webservice.wisor.com"**>

<string xmlns=**""**>  
<![CDATA[

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

<LSR\_PO\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_preorder"> </LSR\_PO\_REQ>

<LSR\_PO\_REQ xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">

<HDR> </HDR>

<HDR>

<MESSAGE\_ID>CC20787258</MESSAGE\_ID>

<CCNA>ABC</CCNA>

<TPID>CCST\_PROD</TPID>

<MSG\_TIMESTAMP>2018-03-02T04:05:56</MSG\_TIMESTAMP>

<TXNUM>2817477238A</TXNUM>

<TXTYP>A</TXTYP>

<CC>1234</CC>

<STATE>TX</STATE>

</HDR>

<ADDR\_VAL\_REQ> </ADDR\_VAL\_REQ>

<ADDR\_VAL\_REQ>

<SVC\_ADDR\_GRP> </SVC\_ADDR\_GRP>

<SVC\_ADDR\_GRP>

<SANO>24444</SANO>

<SASN>FM 1314</SASN>

<CITY>Acke</CITY>

<STATE>TX</STATE>

<ZIP>77344</ZIP>

</SVC\_ADDR\_GRP>

</ADDR\_VAL\_REQ>

</LSR\_PO\_REQ>

]]></string>

</processSyncRequest>

</soapenv:Body>

</soapenv:Envelope>

**4.3.3.2 AV Pre-Order Response: Exact Match**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
<ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns="">

<![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>ADDRVALAAI1</MESSAGE\_ID>  
 <CCNA>XYZ</CCNA>  
 <TPID>EMBQ</TPID>  
 <MSG\_TIMESTAMP>2012-08-30T01:55:06-05:00</MSG\_TIMESTAMP>  
 <TXNUM>ADDRVALAAI1</TXNUM>  
 <TXTYP>A</TXTYP>  
 <CC>9XYZ </CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <ADDR\_VAL\_RESP>  
 <SVC\_ADDR\_INFO>  
 <SVC\_ADDR\_RANGE>  
 <AAI>BLDG 07 UNT 221</AAI>  
 <SVC\_ADDR\_GRP>  
 <SANO>9655</SANO>  
 <SASD>S</SASD>  
 <SASN>LAS VEGAS</SASN>  
 <SATH>BLVD</SATH>  
 <CITY>LAS VEGAS</CITY>  
 <STATE>NV</STATE>  
 <ZIP>89123</ZIP>  
 </SVC\_ADDR\_GRP>  
 </SVC\_ADDR\_RANGE>  
 </SVC\_ADDR\_INFO>  
 <ADDR\_INFO/>  
 <RESP\_STATUS\_GRP>  
 <RESPC>42</RESPC>  
 <RESPD>Exact Address Match Found</RESPD>  
 <PRESPC>42</PRESPC>  
 <PRESPD>SWC: LSVGNVXVDS0; DSL capability: ;hsiEquipment: Wireless Router OR ADSL Modem; hsiPrequal: 6; hsiUpPrequal: 0; iptvHsiPrequal: ; iptvPrequal: Not Available; maxBandwith: 6; technology: ; transport: Copper</PRESPD>  
 </RESP\_STATUS\_GRP>  
 </ADDR\_VAL\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.3.3 AV Pre-Order Response: House Number Not Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns="">

<![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>ADDRVALAAI1</MESSAGE\_ID>  
 <CCNA>XYZ</CCNA>  
 <TPID>EMBQ</TPID>  
 <MSG\_TIMESTAMP>2012-08-30T02:08:54-05:00</MSG\_TIMESTAMP>  
 <TXNUM>ADDRVALAAI1</TXNUM>  
 <TXTYP>A</TXTYP>  
 <CC>9XYZ </CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <ADDR\_VAL\_RESP>  
 <RESP\_STATUS\_GRP>  
 <RESPC>6</RESPC>  
 <RESPD>MRICSY54 M399 - HOUSE NUMBER SPECIFIED DOES NOT EXIST</RESPD>  
 <PRESPC>6</PRESPC>  
 <PRESPD>Address Validation Error</PRESPD>  
 </RESP\_STATUS\_GRP>  
 </ADDR\_VAL\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

**4.3.3.4 AV Pre-Order Response: Multiples Found**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
 <soapenv:Header>  
 <ns1:tMLHeader xmlns:ns1="http://tml.t1m1.org/tML.Transport.xsd">  
 <ns1:TransportID>**EMBQ2018-03-01T13:13:11.984-06:00268**</ns1:TransportID>

<ns1:ApplicationType>**LSRPO**</ns1:ApplicationType>

<ns1:ApplicationVersion>**1.0**</ns1:ApplicationVersion>

<ns1:From>**EMBQ**</ns1:From>

<ns1:To>**1234**</ns1:To>

<ns1:SendTimestamp>**2018-03-01T13:13:11.984-06:00**</ns1:SendTimestamp>

<ns1:RetryCount>**0**</ns1:RetryCount>  
</ns1:tMLHeader>  
  
 </soapenv:Header>  
 <soapenv:Body>  
 <processSyncRequestResponse xmlns="java:lsr.webservice.wisor.com">  
 <response xmlns="">

<![CDATA[<?xml version="1.0" encoding="UTF-8"?>  
<LSR\_PO\_RESP xmlns="http://www.synchronoss.com/lsr/ctl\_preorder">  
 <HDR>  
 <MESSAGE\_ID>ADDRVALAAI1</MESSAGE\_ID>  
 <CCNA>XYZ</CCNA>  
 <TPID>EMBQ</TPID>  
 <MSG\_TIMESTAMP>2012-08-30T01:48:01-05:00</MSG\_TIMESTAMP>  
 <TXNUM>ADDRVALAAI1</TXNUM>  
 <TXTYP>A</TXTYP>  
 <CC>9XYZ </CC>  
 <STATE>NV</STATE>  
 </HDR>  
 <ADDR\_VAL\_RESP>  
 <SVC\_ADDR\_INFO>  
 <SVC\_ADDR\_RANGE>  
 <AAI/>  
 <SVC\_ADDR\_GRP>  
 <SANO>9655</SANO>  
 <SASD>S</SASD>  
 <SASN>LAS VEGAS</SASN>  
 <SATH>BLVD</SATH>  
 <CITY>LAS VEGAS</CITY>  
 <STATE>NV</STATE>  
 <ZIP>89123</ZIP>  
 </SVC\_ADDR\_GRP>  
 </SVC\_ADDR\_RANGE>  
 <SVC\_ADDR\_RANGE>  
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Note: Additional actual responses for Bldg 01 Unit 178 through Bldg 12 Unit 208 removed from this document)  
   
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 <RESPC>5</RESPC>  
 <RESPD>Address Near Match Found/ Alternatives Provided</RESPD>  
 <PRESPC>5</PRESPC>  
 <PRESPD>MULTIPLE COMPLEX ADDRESSES - ENTER COMPLEX NAME</PRESPD>  
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 </ADDR\_VAL\_RESP>  
</LSR\_PO\_RESP>]]></response>  
 </processSyncRequestResponse>  
 </soapenv:Body>  
</soapenv:Envelope>

# SOAP Faults and Fault Messages

|  |  |
| --- | --- |
| **Fault Codes** | **Fault Messages** |
| WSLSRTML001 | Gateway not reachable. Please contact support. |
| WSLSRTML002 | Internal server error. Please contact support. |
| WSLSRTML003 | Server busy, Please retry after some time. |
| WSLSRTML004 | Unknown error. Please contact support |
| WSLSRTML005 | XML Schema validation failed. Please make corrections to the request and retry again. |
| WSLSRTML006 | Error while validating the tML Header. Please correct the tML Header and retry again. |
| WSLSRTML007 | Customer with given CCNA is not configured |
| WSLSRTML008 | Error while Transformation. |
| WSLSRTML009 | Username/Password in Security Header is invalid |
| WSLSRTML0010 | No Username/Password configured for the CLEC, Please contact Support. |
| WSLSRTML0011 | Invalid CLEC, Sender ID could not be obtained from the XPATH configured. |
| WSLSRTML0012 | Not able Process the request, because timeout occurred |
| WSLSRTML0013 | There is no threadcount configured for Preorder. Please contact Support |
| WG1601 | There is no interface configured for Pre Order, Please contact support. |
| WG1602 | There is no interface configured, Please contact support. |
| WG1697 | Translator is deactivated. Please activate before proceeding. |
| WG1604 | Interface has been suspended. Please restore the interface before proceeding. |
| WG0641 | Host is not reachable.Please check the URL Configured in the Interface. |
| WG0642 | Read timeout in gateway.Please retry after sometime. |
| WG0503 | Gateway is busy. Please retry after sometime. |
| WG0204 | Empty message received from internal system |

# tMLHeader Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Type** | **Max** | **Required** | **Format/Value** |
| TransportID | String | 64 |  | This can be any unique value.  One example would be From + To + Sendtimestamp + random value. |
| CorrelationID | String | 64 |  |  |
| TrackID | String | 64 |  |  |
| ApplicationType | String | 32 | Y | LSROR  /  LSRPO |
| From | String | 64 | Y | XXXX (Customer OCN) |
| To | String | 64 | Y | EMBQ |
| SendTimestamp | xs:DateTime | - |  | YYYY-MM-DDThh:mm:ss-hh:mm 2014-06-11T11:01:21-05:00 |
| RetryCount | Integer | - |  |  |
| ApplicationVersion | String | 32 |  |  |

|  |  |  |
| --- | --- | --- |
| **xs:DateTime Format:  *YYYY-MM-DDThh:mm:ss-hh:mm*** | | |
| YYYY indicates the year |  | hh indicates the hour |
| MM indicates the month |  | mm indicates the minute |
| DD indicates the day |  | ss indicates the second |
| T indicates the start of the required time section |  | -hh:mm timezone offset from UTC (Coordinated Universal Time) |

# LSOG 14 (issued 06/30/2014) and LSR UOM Schemas –

# Available at the ATIS website (www.atis.org)

# WSDLs will be provided under separate cover.