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CenturyLink LSOG Order XML Schema Changes

12/13/2016

**Document Modification Log**

All revisions to this document are in reverse chronological order.

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| **Version** | **Date** | **Description of Change** |
| Final | 12/13/2016 | Updated with all XML Schema changes from 04/06/2016 through 10/10/2016 |
| Final | 9/30/2016 | Changed status from draft to final |
| Draft | 8/12/2016 |  |
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# LSOG\_CTL\_ORDER\_ XML\_SCHEMA\_CHANGES

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| **VERSION 14** |
| ***Changes on 10/10/2016***  1: DESIGN element added between RCODE and RDET in LR\_ADMIN complex type under LR form.  2: SHASH renamed to SHATH in SHIPPING\_ADDRESS\_SECTION complex type under EU form.  ***Changes on 08/12/2016***  1: Added new CABLE\_CONN\_GRP section under CRS\_SVC\_DET as repetable, In that section CABCONNTYP, CABCONN fields are added.  ***Changes on 08/2/2016***  1: Added new CABLE\_CONN\_GRP section under FACILITY\_CONFIG\_GRP as repetable, In that section CABCONNTYP, CABCONN fields are added.  ***Changes on 06/13/2016***  1: Updated LR/LR\_ADMIN/FDT field length from 1 to 6.  2: Updated LR/LR\_ADMIN/DSGCON\_TEL\_NO field length from 17 to 12.  3: Updated DSCN/REMARKS field length from 250 to 160.  4: LISTING\_CODE\_DET/LECODE field length changed from 8 to 6 characters.  ***Changes on 06/01/2016***  1: Globally changed LSOG14 References to LSOG 2Q14  2: CCNA field added to LSR\_ADMIN Section in LSR form.  3: DSRED removed from LSR\_RESP.  4: LID1 field removed from LISTING\_INFO/LISTING\_IND Section in DL form.  5: LEAN\_GRP added to VIRTUAL\_CIRCUIT\_DET section in RFR form.  6: LTOS field added to RS\_SVC\_DET in RS form.  7: In LSNP form moved JR field as the first field in LSNP\_SVC\_DET/SVC\_INFO section  8: CTI\_GRP removed from LSNP\_SVC\_DET/SVC\_INFO section in LSNP form.  9: Updated CABCONNTYP and CABCONN fields as repeatable in FACILITY\_CONFIG\_GRP section of LSNP form.  10: LSCP field added to COMMON\_BLOCK\_DET section in CRS form  11: Updated CABCONNTYP and CABCONN fields as repeatable in CRS\_SVC\_DET section in CRS form  12: Added ACTION\_CODE, LHLFID , LHLFIDDATA fields under new LISTING\_INFO section in LR form 13: Added maxoccurs to LISTING\_INFO section in LR form.  14: Globally changed FEAT\_PP field length to 12 characters.  15: CSI\_LIST\_ADDR\_INFO removed from CSI\_RESP.  16: LNPL, LTN, MTN, NSTN, OMTN, PLA and CAPTION\_SLU\_INDENT elements removed from CSI\_RESP.  17: AN, CAPTION, NSTN, LTN, CITY, STATE fields removed from DLI\_MULTIPLE\_MATCH\_GRP section  Of DLI\_RESP.  18: Moved ATLST field from SVC\_ADDR\_INFO to ADDR\_VAL\_RESP as last element  19: Globally changed CB field length from 8 to 11 Characters.  ***Changes on 05/25/2016***    1: Added CCNA field under LSR\_ADMIN Section.  ***Changes on 04/28/2016***   1. Added some missed annotations in the forms.   ***Changes on 04/25/2016***   1. Xsd’s Names changed from  * LSR-Form-LSR14.xsd to LSR-Form-CTL-LSR14.xsd * EU-Form-LSR14.xsd to EU-Form-CTL-LSR14.xsd * HGI-Form-LSR14.xsd to HGI-Form-CTL-LSR14.xsd * DL-Form-LSR14.xsd to DL-Form-CTL-LSR14.xsd * LR-Form-LSR14.xsd to LR-Form-CTL-LSR14.xsd * LSRCM-Form-LSR14.xsd to LSRCM-Form-CTL-LSR14.xsd * RFR-Form-LSR14.xsd to RFR-Form-CTL-LSR14.xsd * RS-Form-LSR14.xsd to RS-Form-CTL-LSR14.xsd * IS-Form-LSR14.xsd to IS-Form-CTL-LSR14.xsd * NP-Form-LSR14.xsd to NP-Form-CTL-LSR14.xsd * LSNP-Form-LSR14.xsd to LSNP-Form-CTL-LSR14.xsd * DDPS-Form-LSR14.xsd to DDPS-Form-CTL-LSR14.xsd * CRS-Form-LSR14.xsd to CRS-Form-CTL-LSR14.xsd * LS-Form-LSR14.xsd to LS-Form-CTL-LSR14.xsd * PS-Form-LSR14.xsd to PS-Form-CTL-LSR14.xsd * RPL-Form-LSR14.xsd to RPL-Form-CTL-LSR14.xsd * DSCN-Form-LSR14.xsd to DSCN-Form-CTL-LSR14.xsd * DSRED-Form-LSR14.xsd to DSRED-Form-CTL-LSR14.xsd * PN-Form-LSR14.xsd to PN-Form-CTL-LSR14.xsd  1. All Above forms namespace changed from <http://www.synchronoss.com/lsr/ctl_order_lsog14> to <http://www.synchronoss.com/lsr/ctl_order> 2. Annotations added 3. Removed annotations related to wisor in each form.   ***Changes on 04/20/2016***    **LSR-Form**   1. APTCON Field added AUTHORIZATION Complex type. 2. Renamed complex type EMBARQ\_DET to CTL\_DET.   **EU-Form**   1. Added SHIPPING\_ADDRESS\_SECTION section under SVC\_ADDR\_GRP Complex type with USE\_SERVICE\_ADDR, SHN1, SHCO, SHAPR, SHANO, SHASF, SHASD, SHASN, SHASH, SHASS, LD1, LV1, LD2, LV2, LD3, LV3, CITY, STATE, ZIP fields.   **LS-Form**   1. Added POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, CABCONN Fields under FACILITY\_CONFIG\_GRP Complex type.   **LSNP-Form**   1. Added POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, CABCONN Fields under FACILITY\_CONFIG\_GRP Complex type.   **RS-Form**   1. Added FACILITY\_CONFIG\_GRP Section under RS\_SVC\_DET Complex type with POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, CABCONN Fields.   **CRS-Form**   1. Added CRS\_SVC\_DET Section under CRS Complex type with POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, CABCONN Fields   ***Changes on 04/06/2016***    **CRS-Form**   1. Namespace Changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. LSCP Element removed from COMMON\_BLOCK\_DET Complex type. 3. CPG and SCPG Elements added under STATION\_DET complex type 4. BSPRAO and FLI Elements are removed from STATION\_DET Complex type. 5. IWJQ, IWJK, & IWT Elements of STATION\_DET Complex type are moved to IW\_GRP complex type 6. IW\_GRP element reference has added under STATION\_DET Complex type. 7. LEAN\_GRP element reference has removed under STATION\_DET Complex type. 8. TRANSFER\_OF\_CALLS\_GRP and TRANSFER\_OF\_CALLS\_SEC\_GRP element references has added under STATION\_DET Complex type. 9. TA Element of TREATMENT\_DET Complex Type renamed from TA to TCA.   **DDPS-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14>   **DL-Form**     1. Namespace Changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. DL\_ADMIN Complex Type Removed from DL Complex type. 3. LID2 Element removed from LISTING\_IND Complex Type.   **DSCN-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. DLNUM, DIRIDL, DIRSUB Elements added under LISTING Complex Type 3. LISTTNDA , BOOK, SECTION Elements Removed from LISTING Complex Type 4. LISTING\_APPEAR Complex Type Reference Name under LISTING Complex Type Changed from LISTING\_APPEAR to LISTING\_APPEARANCE 5. LISTNM, LISTADR Elements of LISTING\_APPEAR Complex Type moved to LISTING\_APPEARANCE complex type 6. LIST\_TEXT Element removed from LISTING\_APPEARANCE complex type. 7. LIST\_APPEAR\_GRP Complex type reference removed from LISTING\_APPEARANCE complex type. 8. LNLN, LNFN, DIRSTAT, PONLEQTY, PONLEREFNUM Elements added under LISTING\_APPEARANCE Complex type. 9. LISTING\_RESP\_DET, LIST\_TEXT\_GRP, LISTING\_CODE\_DET Complex types added under LISTING\_APPEARANCE Complex type.   **DSRED-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. ERR\_GRP Complex Type Reference under DSRED Complex Type removed.   **EU-Form**     1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. EU\_ADMIN , END\_USER\_BILLING\_DET , REMARKS\_INFO Complex Type References removed from EU Complex Type. 3. EU\_BILL Complex Type Reference Under EU Complex Type added maxOccurs="unbounded". 4. SSN, TAX\_ID Elements removed from EU\_BILL Complex Type. 5. AAI Element removed from LOC\_ACCESS Complex Type. 6. BAI, NRBYTN Elements removed from LOC\_ACCESS\_INFO Complex Type. 7. PLBO Element added under LOC\_ACCESS\_INFO Complex type. 8. SATH Element Length got changed from 7 to 10 under SVC\_ADDR\_GRP Complex type.   **HGI-Form**   1. Namespace Changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. HUNT\_GROUP\_ID Complex Type reference under HGI Complex Type added maxOccurs="unbounded".   **IS-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. TGID Element from SVC\_TERM\_DET complex type length changed from 4 to 5.     **LR-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. LOCNUM Element added under CIRCUIT\_DET Complex type. 3. DSNA, DTN Elements deleted from CIRCUIT\_DET Complex Type. 4. FEP Element added under CIRCUIT\_DET Complex Type 5. DLCONT\_INIT, DLCONT\_TN, DACONT\_INIT, DACONT\_TN, DLQTYR, SQTYR Elements removed under DIRECTORY Complex Type. 6. REMARKS Element removed from LR Complex Type. 7. LISTING, REMARKS\_INFO complex reference added under LR complex Type 8. CC, EAN, EATN, DT\_SENT, CD, PD, FEP, NNSP Elements added under LR\_ADMIN complex type. 9. BOPI Element added after CC element under LR\_ADMIN Complex type. 10. CNO, FDTO elements removed from LR\_ADMIN complex Type. 11. TEL\_NO Element renamed from TEL\_NO to DSGCON\_TEL\_NO under LR\_ADMIN complex type.   **LS-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. TERS Element under LS\_SVC\_DET complex type deleted maxOccurs="unbounded". 3. FACILITY\_CONFIG\_GRP complex type sequence got changed which is added after VIRTUAL\_CIRCUIT\_GRP Complex type with maxOccurs="unbounded". 4. SVC\_DET\_GRP complex type sequence got changed which is added after UNIT Element with maxOccurs="unbounded". 5. TIE\_DOWN\_GRP complex type deleted from LS\_SVC\_DET Complex type. 6. IWJQ, IWJK, & IWT Elements from DEMARC\_JACK\_GRP moved to IW\_GRP section   **LSNP-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. LRN, RESID, BTRL Elements deleted from LSNP\_SVC\_DET Complex Type. 3. JR Element sequence got changed which is added under CCEA Element 4. LINE\_RESTRICT\_GRP Complex Type reference removed from SVC\_INFO Complex type. 5. LPIC Element moved from LINE\_RESTRICT\_GRP complex type to SVC\_INFO complex type. 6. BLOCK\_GRP complex type moved from LINE\_RESTRICT\_GRP complex type to SVC\_INFO complex type. 7. CTI\_GRP Complex Type reference added under SVC\_INFO Complex Type 8. IWJQ, IWJK, & IWT Elements from DEMARC\_JACK\_GRP moved to IW\_GRP section   **LSRCM-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14>   **LSR-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. CHANNEL Element name changed to CHAN under AUTHORIZATION Complex type. 3. IMPCON\_PAGER and ALT\_IMP\_PAGER Elements deleted from CONTACT Complex type. 4. LSR\_NO, SC1, SC2 Elements deleted from LSR\_ADMIN Complex type. 5. BOPI Element deleted from LSR\_ADMIN Complex type. 6. CCNA Element deleted under LSR\_ADMIN Complex Type. 7. CNO, TE, EBP, BSPRAO Elements deleted from LSR\_BILL Complex type.   **RFR-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to   <http://www.synchronoss.com/lsr/ctl_order_lsog14>   1. LEAN, LEATN Elements deleted from UNI\_CIRCUIT\_DET Complex type. 2. LEAN\_GRP Complex type reference added under UNI\_CIRCUIT\_DET Complex type. 3. LEAN, LEATN Elements deleted from VIRTUAL\_CIRCUIT\_DET Complex type.   **RS-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. SOE, LTOS, NOTYP, SPLD, CCDD, BSPRAO Elements deleted from RS\_SVC\_DET Complex type. 3. CALLING\_CARD\_GRP Complex type reference deleted from RS\_SVC\_DET complex type. 4. IWJQ, IWJK, & IWT Elements from DEMARC\_JACK\_GRP moved to IW\_GRP section   **NP-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. REMARKS\_INFO Complex type reference deleted from NP Complex type. 3. NPI, RL, LRN, TDT, OECCKT Elements deleted from NP\_SVC\_DET Complex type. 4. SVC\_DET\_GRP, LINE\_RESTRICT\_GRP, TRANSFER\_OF\_CALLS\_GRP, TRANSFER\_OF\_CALLS\_SEC\_GRP complex type references deleted from NP\_SVC\_DET Complex type. 5. LOCNUM, LNUM, LNA Elements moved from SVC\_DET\_GRP complex type of NP\_SVC\_DET Complex type to NP\_SVC\_DET Complex type in LSOG14. 6. BLOCK\_GRP Complex type moved from LINE\_RESTRICT\_GRP complex type of NP\_SVC\_DET Complex type to NP\_SVC\_DET Complex type in LSOG14. 7. LEAN\_GRP Element from NP\_SVC\_DET Complex type added maxOccurs="1".   **PS-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. SOE, NOTYP, TNI, OTNI, CCDD Elements deleted from PS\_SVC\_DET Complex type. 3. CABLE\_ID, CHAN\_PAIR Elements moved from PS\_SVC\_DET complex type to CABLE\_CONFIG\_GRP Complex type in PS\_SVC\_DET complex type. 4. CABLE\_CONFIG\_GRP complex type reference added under PS\_SVC\_DET Complex type. 5. BLOCK\_GRP complex type reference added maxOccurs="unbounded" under PS\_SVC\_DET Complex type. 6. CALLING\_CARD\_GRP complex type reference deleted from PS\_SVC\_DET Complex type.   **RPL-Form**   1. Namespace changed from <http://atis.org/obf/tML/UOM> to <http://www.synchronoss.com/lsr/ctl_order_lsog14> 2. IWT Element deleted from IW\_DET Complex type. 3. AAI Element deleted from PRIMARY\_LOC Complex type. 4. LEAN\_GRP Complex type reference deleted from PRIMARY\_LOC Complex type. 5. LEAN\_GRP Complex type reference deleted from PRI\_LOC\_SVC\_DET Complex type. 6. SSN Element deleted from RPL\_BILL Complex type. 7. AAI Element deleted from SECONDARY\_LOC Complex type. 8. LEAN\_GRP Complex type reference deleted from SECONDARY\_LOC Complex type. 9. LEAN\_GRP Complex type reference deleted from SEC\_LOC\_SVC\_DET Complex type   **ServiceTypes**  **CENTREX\_RESALE\_SVC**   1. maxOccurs removed from CRS,DL complex types. 2. HGI Complex type added   **DID\_DOD\_PBX\_SVC**     1. maxOccurs removed from DDPS complex type. 2. HGI, DL Complex type added.   **DIRECTORY\_LISTING\_SVC**   1. maxOccurs removed from DL complex type.   **DIRECTORY\_LISTING\_ASSISTANCE\_SVC**   1. LSR, EU, DL Complex types added in new DIRECTORY\_LISTING\_ASSISTANCE\_SVC service type.   **ISDN\_BRI\_PRI\_SVC**   1. maxOccurs removed from IS, HGI, DL Complex types.   **LOOP\_NUMBER\_PORTABILITY\_SVC**   1. maxOccurs removed from LSNP,DL complex type. 2. minOccurs added to DL complex type.   **LOOP\_SVC**   1. maxOccurs removed from LS, DL complex types 2. minOccurs added to DL complex type.   **LOOP\_UNBUNDLED\_SWITCH\_PORT\_SVC**   1. Added new LOOP\_UNBUNDLED\_SWITCH\_PORT\_SVC service type with LSR.EU,RS,PS,HGI,DL complex types.   **NUMBER\_PORTABILITY\_SVC**   1. maxOccurs removed from NP, DL complex types. 2. minOccurs added to DL complex type.   **PORT\_SVC**   1. minOccurs removed from EU complex type. 2. maxOccurs removed from PS, DL complex type. 3. Added PS complex type   **RESALE\_FRAME\_RELAY\_SVC**   1. maxOccurs removed from RFR complex type. 2. Added EU complex type. 3. maxOccurs removed from RPL complex type.   **RESALE\_SVC**   1. minOccurs added to RS,DL complex types. 2. Added HGI complex type.   **RETAIL\_BUNDLED\_SVC**   1. Added new RETAIL\_BUNDLED\_SVC service type with LSR, EU, PS, DL complex types. |

# LSOG\_CTL\_ORDER\_CUSTOMIZATION\_CHANGES

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| **VERSION 14** |
| ***Changes on 04/28/2016***   1. Added some missed annotations in the forms.   ***Changes on 04/25/2016***   1. Xsd’s Names changed from  * LSR-Form-LSR14.xsd to LSR-Form-CTL-LSR14.xsd * EU-Form-LSR14.xsd to EU-Form-CTL-LSR14.xsd * HGI-Form-LSR14.xsd to HGI-Form-CTL-LSR14.xsd * DL-Form-LSR14.xsd to DL-Form-CTL-LSR14.xsd * LR-Form-LSR14.xsd to LR-Form-CTL-LSR14.xsd * LSRCM-Form-LSR14.xsd to LSRCM-Form-CTL-LSR14.xsd * RFR-Form-LSR14.xsd to RFR-Form-CTL-LSR14.xsd * RS-Form-LSR14.xsd to RS-Form-CTL-LSR14.xsd * IS-Form-LSR14.xsd to IS-Form-CTL-LSR14.xsd * NP-Form-LSR14.xsd to NP-Form-CTL-LSR14.xsd * LSNP-Form-LSR14.xsd to LSNP-Form-CTL-LSR14.xsd * DDPS-Form-LSR14.xsd to DDPS-Form-CTL-LSR14.xsd * CRS-Form-LSR14.xsd to CRS-Form-CTL-LSR14.xsd * LS-Form-LSR14.xsd to LS-Form-CTL-LSR14.xsd * PS-Form-LSR14.xsd to PS-Form-CTL-LSR14.xsd * RPL-Form-LSR14.xsd to RPL-Form-CTL-LSR14.xsd * DSCN-Form-LSR14.xsd to DSCN-Form-CTL-LSR14.xsd * DSRED-Form-LSR14.xsd to DSRED-Form-CTL-LSR14.xsd * PN-Form-LSR14.xsd to PN-Form-CTL-LSR14.xsd  1. All Above forms namespace changed from <http://www.synchronoss.com/lsr/ctl_order_lsog14> to <http://www.synchronoss.com/lsr/ctl_order> 2. Annotations added 3. Removed annotations related to wisor in each form.   ***Changes on 04/20/2016***    **LSR-Form**   1. APTCON Field added AUTHORIZATION Complex type. 2. Renamed complex type EMBARQ\_DET to CTL\_DET.   **EU-Form**   1. Added SHIPPING\_ADDRESS\_SECTION section under SVC\_ADDR\_GRP Complex type with USE\_SERVICE\_ADDR, SHN1, SHCO, SHAPR, SHANO, SHASF, SHASD, SHASN, SHASH, SHASS, LD1, LV1, LD2, LV2, LD3, LV3, CITY, STATE, ZIP fields.   **LS-Form**   1. Added POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, and CABCONN Fields under FACILITY\_CONFIG\_GRP Complex type.   **LSNP-Form**   1. Added POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, and CABCONN Fields under FACILITY\_CONFIG\_GRP Complex type.   **RS-Form**   1. Added FACILITY\_CONFIG\_GRP Section under RS\_SVC\_DET Complex type with POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, and CABCONN Fields.   **CRS-Form**   1. Added CRS\_SVC\_DET Section under CRS Complex type with POTSSPLIT, POTSSPLITLOC, CABCONNQTY, CABCONNTYP, CABCONN Fields |